

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

8J649

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

RECEIVED
AUG 09 1999

PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 8

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9200
Address: 200 Amoco Court, Farmington, NM 87401
Facility or Well Name: JICARILLA APACHE #102-4
Location: Unit or Qtr/Qtr Sec K Sec 4 T 26N R 4W County RIO ARriba
Pit Type: Separator Dehydrator Other BLOW
Land Type: RANGE

Pit Location: Pit dimensions: length 37', width 40', depth 17'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 125'
Direction from reference: 80 Degrees East of North X
X 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) | <u>0</u> |
| | 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) | <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) | <u>0</u> |
| | 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) | <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

Date Remediation Started: _____ Date Completed: 10/1/98

Remediation Method: Excavation ☒ Approx. cubic yards 1200
 Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
 Other _____

Remediation Location: Onsite ☒ Offsite ☒ (JICA CONTR. 102-10E APPROX. 600 C.Y.)
 (i.e. landfarmed onsite, name and location of offsite facility) (K-4-26-4)

General Description of Remedial Action: Excavation. Conditional Closure - JICARILLA EPO
RISK ASSESSED - NMOC.

Groundwater 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 Documents

Sample depth 19' (PIT BOTTOM)

Sample date 9/29/98

Sample time 1045

Sample Results

| | | | | | |
|-----------------|-------|----------------|----------------|-------|-------|
| Soil: Benzene | (ppm) | <u>4.120</u> | Water: Benzene | (ppb) | _____ |
| Total BTEX | (ppm) | <u>119.910</u> | Toluene | (ppb) | _____ |
| Field Headspace | (ppm) | <u>9024</u> | Ethylbenzene | (ppb) | _____ |
| TPH | (ppm) | <u>10,930</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


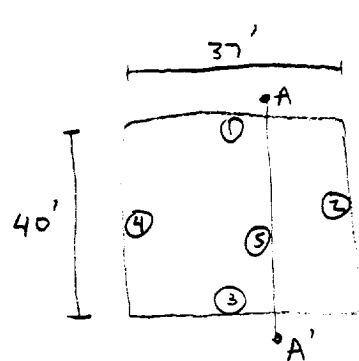

DATE 10/1/98 PRINTED NAME Buddy D. Shaw
 SIGNATURE Buddy D. Shaw AND TITLE Environmental Coordinator

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) Conditional / R.A. Attached

SIGNED: Ken C. Mandle DATE: 11-18-98

3003906664

| CLIENT: <u>AMOCO</u> | BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | LOCATION NO: <u>8JG49</u> C.D.C. NO: <u>6283</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------|-------------|----------|------------|-----------|----------|-------------|-----------|-----|---------|-----|--|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| FIELD REPORT: CLOSURE VERIFICATION | | PAGE No: <u>1</u> of <u>1</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCATION: NAME: <u>JICA. AP. 102</u> WELL #: <u>4</u> PIT: <u>Blow</u> QUAD/UNIT: <u>K SEC: 4 TWP: 26N RNG: 4W PM: NM CNTY: RA ST: NM</u> QTR/FOOTAGE: <u>1450' FSL / 1450' FWL</u> CONTRACTOR: <u>P+S</u> | | DATE STARTED: <u>9/29/98</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXCAVATION APPROX. <u>37</u> FT. x <u>40</u> FT. x <u>17</u> FT. DEEP. CUBIC YARDAGE: <u>1200</u> DISPOSAL FACILITY: <u>ON-SITE / JICA. AP. 102-10E</u> REMEDIATION METHOD: <u>LANDFARM</u> LAND USE: <u>RANGE</u> LEASE: <u>JIC 102</u> FORMATION: <u>MV</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>125</u> FT. <u>N80W</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</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: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="border: 1px solid black; padding: 5px; float: right; width: 200px;"> CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED <input type="checkbox"/> FIBERGLASS TANK INSTALLED </div> <p> SIDEWALLS - OK. YELL. BROWN SAND, CLAY INTERVAL (6' THICKNESS) 6'-12' BELOW GRADE. MAJORITY OF EAST & SOUTH SIDEWALLS CONSISTED OF OK. YELL. BROWN SAND, STRONG HC ODOR IN EAST SIDEWALL DUM SAMPLE ONLY. BOTTOM - NORTH HALF CONSISTED OF MED. GRAY CLAY. SOUTH HALF CONSISTED OF SILTY SAND/SILTY CLAY. NO APPARENT HC ODOR DETECTED W/IN EXCAVATION, STRONG HC ODOR IN DUM SAMPLE. </p> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; margin: 10px auto; width: fit-content;"> CONDITIONAL - JICARILLA EPO RISK ASSESSED - NMOC D </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIELD 418.1 CALCULATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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> </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> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> | | | TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| SCALE  0 FT | | PIT PERIMETER  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVM RESULTS <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 @ 8'</td><td>0.0</td></tr> <tr><td>2 @ 11'</td><td>891</td></tr> <tr><td>3 @ 12'</td><td>12.0</td></tr> <tr><td>4 @ 8'</td><td>1.7</td></tr> <tr><td>5 @ 19'</td><td>902</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> <tr><td> </td><td> </td></tr> </tbody> </table> | | SAMPLE ID | FIELD HEADSPACE PID (ppm) | 1 @ 8' | 0.0 | 2 @ 11' | 891 | 3 @ 12' | 12.0 | 4 @ 8' | 1.7 | 5 @ 19' | 902 | | | | | | | | | | | PIT PROFILE  | | | | | | | | | | | | | | | | | | |
| SAMPLE ID | FIELD HEADSPACE PID (ppm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 @ 8' | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 @ 11' | 891 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 @ 12' | 12.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 @ 8' | 1.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 @ 19' | 902 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| LAB SAMPLES <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>⑤ @ 19'</td> <td>TAH BTX</td> <td>1045</td> </tr> <tr> <td colspan="3" style="text-align: center;">BOTH FAILED</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> | | | SAMPLE ID | ANALYSIS | TIME | ⑤ @ 19' | TAH BTX | 1045 | BOTH FAILED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE ID | ANALYSIS | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⑤ @ 19' | TAH BTX | 1045 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOTH FAILED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TRAVEL NOTES: CALLOUT: _____ ONSITE: <u>9/29/98 - MORN.</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla Contract 102 #4
Unit K, Sec. 4, T26N, R4W
Blow Pit
Mesa Verde
Non Vulnerable
> 1000 ft.
> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe reached practical extent for abandoned pit (19 ft. below grade) and for safety concerns (underground piping and surface equipment).

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

1. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below presumed shallow sandstone bedrock (based on informal site observation of adjacent sandstone outcrop).
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 0.94 miles south southeast of the nearest vulnerable area boundary (Jaramillo Canyon wash).

(Refer to Vigas Canyon Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), photorevised 1982, (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 subsurface vertical impact to groundwater is very unlikely. AMOCO requests pit closure approval on this location.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

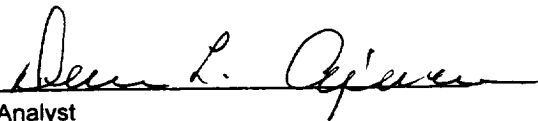
| | | | |
|----------------------|-----------------|---------------------|----------|
| Client: | Blagg / AMOCO | Project #: | 04034-10 |
| Sample ID: | 5 @ 19' | Date Reported: | 10-01-98 |
| Laboratory Number: | E007 | Date Sampled: | 09-29-98 |
| Chain of Custody No: | 6283 | Date Received: | 09-30-98 |
| Sample Matrix: | Soil | Date Extracted: | 09-30-98 |
| Preservative: | Cool | Date Analyzed: | 09-30-98 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | 9,330 | 0.2 |
| Diesel Range (C10 - C28) | 1,600 | 0.1 |
| Total Petroleum Hydrocarbons | 10,930 | 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 Apache #102 - 4 Blow Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|---------------|---------------------|----------|
| Client: | Blagg / AMOCO | Project #: | 04034-10 |
| Sample ID: | 5 @ 19' | Date Reported: | 10-01-98 |
| Laboratory Number: | E007 | Date Sampled: | 09-29-98 |
| Chain of Custody: | 6283 | Date Received: | 09-30-98 |
| Sample Matrix: | Soil | Date Analyzed: | 09-30-98 |
| Preservative: | Cool | Date Extracted: | 09-30-98 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | 4,120 | 8.8 |
| Toluene | 48,340 | 8.4 |
| Ethylbenzene | 10,680 | 7.6 |
| p,m-Xylene | 37,540 | 10.8 |
| o-Xylene | 19,230 | 5.2 |
| Total BTEX | 119,910 | |


ND - Parameter not detected at the stated detection limit.

| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|--------------------|------------------|
| | Trifluorotoluene | 96 % |
| | Bromofluorobenzene | 96 % |

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla Apache #102 - 4 Blow Pit.


Analyst


Review

6283

[illegible]

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

8J649

SUBMIT 1 COPY TO:
NATURAL RESOURCE DEPT
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 APACHE 102-4</u> | | |
| Location: Unit or Qtr/Qtr Sec <u>K</u> Sec <u>4</u> T <u>29N</u> R <u>4W</u> County <u>RIO ARriba</u> | | |
| Land Type: <u>RANGE</u> | | |
| Date Remediation Started: <u>9-29-98</u> | | Date Completed: <u>4/19/99</u> |
| Remediation Method: Landfarmed <input checked="" type="checkbox"/> | | Approx. cubic yards <u>600</u> |
| Composted <input type="checkbox"/> | | |
| Other <input type="checkbox"/> | | |
| Depth To Groundwater: (pts.) <u>0</u> | | Final Closure Sampling: Sampling Date: <u>4-15-99</u> Time: <u>1055</u> Sample Results: Field Headspace (ppm) <u>0.0</u> TPH (ppm) <u>0.3</u> Method <u>TPH (80:15)</u> Other <input type="checkbox"/> |
| 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>4/19/99</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) _____ | | |
| SIGNED: <u>[Signature]</u> | | DATE: <u>6-18-99</u> |

| | | |
|----------------------|--------------------------------------------------------------------------------|-----------------------------------------------------|
| CLIENT: <u>AMOCO</u> | BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | LOCATION NO: <u>85649</u> C.O.C. NO: <u>6888</u> |
|----------------------|--------------------------------------------------------------------------------|-----------------------------------------------------|

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

| | |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------|
| LOCATION: NAME <u>JICARILLA APACHE 102</u> WELL #: <u>4</u> PITS: <u>BLOW</u> | DATE STARTED: <u>4.15.99</u> |
| QUAD/UNIT: <u>K</u> SEC: <u>4</u> TWP: <u>26N</u> RNG: <u>4W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> | DATE FINISHED: _____ |
| STR/FOOTAGE: <u>NE/A SW/A</u> CONTRACTOR: <u>P+S</u> | ENVIRONMENTAL SPECIALIST: <u>REP</u> |

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: 600

LAND USE: RANGE

LIFT DEPTH (ft): 1-1.5

FIELD NOTES & REMARKS:

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

NMOC DRAINING SCORE: 0 NMOC DTPH CLOSURE STD: 5000 PPM

OK. YELLOWISH BROWN CLAYEY SAND, COHESIVE, SLIGHTLY MOIST, FIRM
NO APPARENT STAINING, NO HC ODOR DETECTED. SAMPLING DEPTHS
RANGE FROM 6"-18" TO A SPT COMPOSITE SAMPLE FOR LAB ANALYSIS

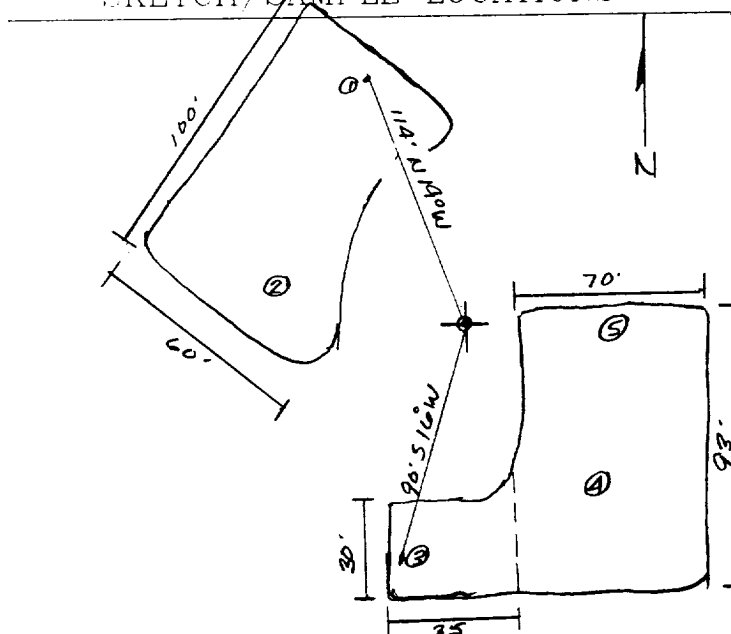
CLOSED

APPROX. 600 C.Y. DISPOSED
TO JICA. AP. 102-10E

FIELD 418.1 CALCULATIONS

| SAMP. TIME | SAMPLE I.D. | LAB No: | WEIGHT (g) | mL. FREON | DILUTION | READING | CALC. ppm |
|------------|-------------|---------|------------|-----------|----------|---------|-----------|
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SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

| SAMPLE ID | FIELD HEADSPACE PID (ppm) | SAMPLE ID | ANALYSIS | TIME | RESULTS |
|-----------|---------------------------|-----------|-------------|------|---------|
| LF-1 | 0.0 | LF-1 | 7PPH (8015) | 1055 | 0.3 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

SCALE

0 35 FT

TRAVEL NOTES:

CALLOUT: N/A

ONSITE: 4.15.99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

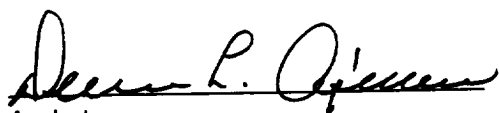
| | | | |
|----------------------|-----------------|---------------------|----------|
| Client: | Blagg / AMOCO | Project #: | 403410 |
| Sample ID: | LF - 1 | Date Reported: | 04-19-99 |
| Laboratory Number: | F051 | Date Sampled: | 04-15-99 |
| Chain of Custody No: | 6888 | Date Received: | 04-16-99 |
| Sample Matrix: | Soil | Date Extracted: | 04-16-99 |
| Preservative: | Cool | Date Analyzed: | 04-19-99 |
| Condition: | Cool and Intact | Analysis Requested: | 8015 TPH |

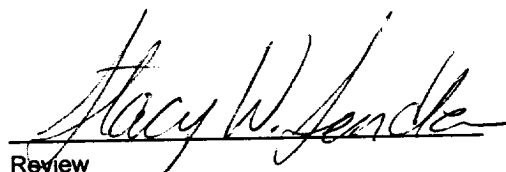
| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | 0.3 | 0.1 |
| Total Petroleum Hydrocarbons | 0.3 | 0.2 |

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 Apache 102 - 4 Landfarm. 5 Pt. Composite.


Analyst


Review

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ENVIROTECH INC.