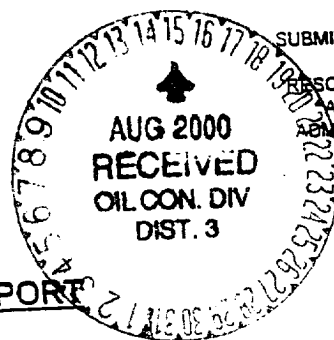


JICARILLA APACHE TRIBE  
ENVIRONMENTAL PROTECTION OFFICE

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: Robert L Bayless Telephone: 326-2659  
Address: 368NM170 Farmington N.M. 87401  
Facility or Well Name: AXI Apache F # 2  
Location: Unit: P Sec. 13 T. 23 N. R. 5 W. County Rio Arriba  
Pit Type: Separator      Dehydrator      Other Drip  
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 12 width 12 depth 12  
(Attach diagram) Reference: wellhead X other       
Footage from reference: 25'  
Direction from reference:      Degrees      East of North X  
     West of South     

Depth to Ground Water:

(Vertical distance from contaminants  
to seasonal high water elevation or  
ground water)

Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (0 points)

0

Wellhead Protection Area:

(Less than 200 feet from a private domestic  
water source, or, less than 1,000 feet from all  
other water sources)

Yes (20 points)  
No (0 points)

0

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 1,000 feet (10 points)  
Greater than 1,000 feet (0 points)

0

Distance to Ephemeral Stream (dry wash):

(Horizontal distance to all downgradient  
streams having a width of at least 10  
feet)

Less than or equal to 100 feet (10 points)  
Greater than 100 feet (0 points)

0

Distance to Nearest Lake, Playa, or Watering  
Pond:

(Horizontal distance to all downgradient  
lakes, playas, and livestock or wildlife  
water ponds)

Less than or equal to 100 feet (10 points)  
Greater than 100 feet (0 points)

0

RANKING SCORE (TOTAL POINTS):

0

Date Remediation Started: 11-7-97 Date Completed: 11-8-97

Remediation Method: Excavation \_\_\_\_\_ Approx. Cubic Yards \_\_\_\_\_

(Check all appropriate sections)

Landfarmed ✓ Amount Landfarmed (cubic yds): 20

Other \_\_\_\_\_

Remediation Location: Onsite X Offsite \_\_\_\_\_

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

arrived on location took down fence excavated  
pit to 12' 8" below existing bottom + tank samples  
and bottled

Ground Water Encountered: No ✓ Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit Closure Sampling:

Sample Location \_\_\_\_\_

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth 12'

Sample date 11-8-97 Sample time 3:30

Sample Results

Soil: Benzene (ppm) ND Water: Benzene (ppb) \_\_\_\_\_

Total BTEX (ppm) 4 Toluene (ppb) \_\_\_\_\_

Field headspace (ppm) 5 Ethylbenzene (ppb) \_\_\_\_\_

TPH 125 ppm Method 418.1 Total Xylenes (ppb) \_\_\_\_\_

Ground Water Sample: Yes \_\_\_\_\_ No X (If yes, attach sample results)

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

DATE 12-8-97 PRINTED NAME Dave Sims

SIGNATURE Dave Sims AND TITLE Project Manager

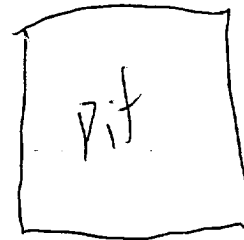
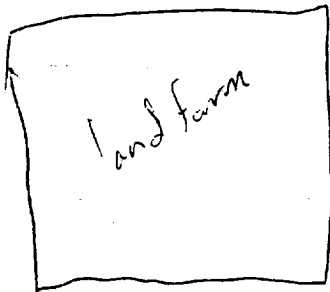
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO \_\_\_\_\_ (REASON): \_\_\_\_\_

SIGNED: [Signature] DATE: \_\_\_\_\_

Jicarilla

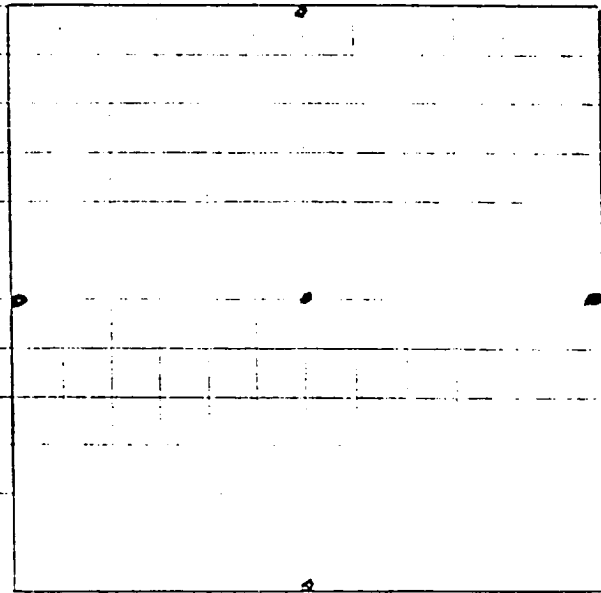
AXI Apache F #2  
N



Wellhead  
○

Location:

Depth: 12



• Denotes Sample Location

Samples:

Northern : 0  
Southern : 0  
East : 0  
West : 0  
Bottom : 5

Jicarilla Ax1 Apache f #2

On 11-7-97 Arrived on location + took down  
fence excavated pit to 12' (8' below  
existing bottom + took readings bottled  
sample + put back fence

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: *David Sims*  
Company: *Arrowhead*  
Address: *P.O. Box 2522*  
City, State: *Farmington, NM 87499-2522*

Date: *14-Nov-97*  
COC No.: *6574*  
Sample No.: *16844*  
Job No.: *2-1000*

Project Name: *Arrowhead / RMI*  
Project Location: *Axi Apache F #2*  
Sampled by: *WM* Date: *7-Nov-97* Time: *16:00*  
Analyzed by: *HR* Date: *12-Nov-97*  
Sample Matrix: *Soil*

#### Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
<i>Total Petroleum Hydrocarbons, TPH</i>	<i>ND</i>	<i>25</i>	<i>mg/kg</i>	<i>EPA Method 418.1</i>

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

##### Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
<i>Laboratory Fortified Blank Soil - QCBS2</i>	<i>ND</i>	<i>ND</i>	<i>mg/kg</i>
<i>Laboratory Fortified Spike Soil - QCSS1</i>	<i>848</i>	<i>800-1200</i>	<i>mg/kg</i>

##### Duplication

Laboratory Identification	RPD	Limit RPD
<i>16841-6574</i>	<i>10.9</i>	<i>15.0</i>

Approved by: *[Signature]*  
Date: *11/14/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

# ANALYTICAL REPORT

Attn: *David Sims*  
 Company: *Arrowhead*  
 Address: *P.O. Box 2522*  
 City, State: *Farmington, NM 87499-2522*

Date: *17-Nov-97*  
 COC No.: *6575*  
 Sample No.: *16846*  
 Job No.: *2-1000*

Project Name: *Arrowhead / RMI*  
 Project Location: *Axi Apache F #2 Composite*  
 Sampled by: *WM* Date: *8-Nov-97* Time: *9:00*  
 Analyzed by: *DC* Date: *14-Nov-97*  
 Sample Matrix: *Soil*

## Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	<i>ND</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>Toluene</i>	<i>1</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>Ethylbenzene</i>	<i>ND</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>m,p-Xylene</i>	<i>ND</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>o-Xylene</i>	<i>ND</i>	<i>ug/kg</i>	<i>1</i>	<i>ug/kg</i>
<i>TOTAL</i>	<i>1</i>	<i>ug/kg</i>		

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*  
 Date: *11/17/97*

OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: *David Sims*  
Company: *Arrowhead*  
Address: *P.O. Box 2522*  
City, State: *Farmington, NM 87499-2522*

Date: *17-Nov-97*  
COC No.: *6574*  
Sample No.: *16844*  
Job No.: *2-1000*

Project Name: *Arrowhead / RMI*  
Project Location: *Axi Apache F #2*  
Sampled by: *WM*  
Analyzed by: *DC*  
Sample Matrix: *Soil*

Date: *7-Nov-97* Time: *16:00*  
Date: *14-Nov-97*

#### Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Benzene</i>	ND	ug/kg	1	ug/kg
<i>Toluene</i>	2	ug/kg	1	ug/kg
<i>Ethylbenzene</i>	ND	ug/kg	1	ug/kg
<i>m,p-Xylene</i>	2	ug/kg	1	ug/kg
<i>o-Xylene</i>	ND	ug/kg	1	ug/kg
	<i>TOTAL</i>	4		ug/kg

ND - Not Detected at Limit of Quantitation

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

Approved by: *[Signature]*  
Date: *11/17/97*

P.O. BOX 2606 • FARMINGTON, NM 87499  
- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -



OFF: (505) 325-5667



LAB: (505) 325-1556

### ANALYTICAL REPORT

Attn: *David Sims*  
Company: *Arrowhead*  
Address: *P.O. Box 2522*  
City, State: *Farmington, NM 87499-2522*

Date: *14-Nov-97*  
COC No.: *6575*  
Sample No.: *16846*  
Job No.: *2-1000*

Project Name: *Arrowhead / RMI*  
Project Location: *Axi Apache F #2 Composite*  
Sampled by: *WM* Date: *8-Nov-97* Time: *9:00*  
Analyzed by: *HR* Date: *12-Nov-97*  
Sample Matrix: *Soil*

#### Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
<i>Total Petroleum Hydrocarbons, TPH</i>	<i>125</i>	<i>25</i>	<i>mg/kg</i>	<i>EPA Method 418.1</i>

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

##### Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
<i>Laboratory Fortified Blank Soil - QCBS2</i>	<i>ND</i>	<i>ND</i>	<i>mg/kg</i>
<i>Laboratory Fortified Spike Soil - QCSS1</i>	<i>848</i>	<i>800-1200</i>	<i>mg/kg</i>

##### Duplication

Laboratory Identification	RPD	Limit RPD
<i>16841-6574</i>	<i>10.9</i>	<i>15.0</i>

Approved by: *Jag*  
Date: *11/14/97*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 30-Sep-98

<b>Client:</b>	Bayless Drilling Company / Robert L. Bayl	<b>Client Sample Info:</b>	R.L. Bayless
<b>Work Order:</b>	9809062	<b>Client Sample ID:</b>	Axi Apache F2
<b>Lab ID:</b>	9809062-09A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Bayless Jicarilla	<b>Collection Date:</b>	9/23/98 7:08:00 PM
		<b>COC Record:</b>	5567

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>TPH, T/R SOIL</b>		<b>E418.1</b>				Analyst: HR
Petroleum Hydrocarbons, T/R	ND	26		mg/Kg	1	9/28/98

**Qualifiers:**

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>Bayless Drilling</u>		Telephone: <u>325-26259</u>	
Address: <u>318 US Hwy 170 Farmington NM 87401</u>			
Facility or Well Name: <u>Axi Apache F2</u>			
Location: Unit: <u>P</u>		Sec. <u>13</u> T. <u>25 N</u> R. <u>5 W</u> County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>			
Date Remediation Started: <u>6-28-98</u>		Date Completed: _____	
Remediation Method: Landfarming <input checked="" type="checkbox"/>		Approx. cubic yards <u>20</u>	
Composted: _____		_____	
Other: <u>3 Point Composit</u>		_____	
Depth to Ground Water: (pts.) <u>0</u>		Final Closure Sampling:	
Distance to an Ephemeral Stream: (pts.) <u>0</u>		Sampling Date: <u>9/23/98</u> Time <u>7:08pm</u>	
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>0</u>		Sampling Results:	
Wellhead Protection Area: (pts.) <u>0</u>		Field Headspace (ppm) <u>ND</u> <u>5</u>	
Distance to Surface Water: (pts.) <u>0</u>		TPH (ppm) <u>ND</u> Method <u>E418.1</u>	
Ranking Score (Total Points): <u>0</u>		Other <u>125</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF			
DATE <u>9-28-98</u>		PRINTED NAME <u>Donovan Allred</u>	
SIGNATURE <u>Donovan Allred</u>		AND TITLE <u>Project Manager</u>	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE			
APPROVED: YES <input checked="" type="checkbox"/> NO _____ (REASON) <u>Landfarm closed</u>			
SIGNED: <u>[Signature]</u> <u>OK for backfill</u>			
DATE: <u>10/19/98</u>			