

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

SEP 16 2100

P.O. BOX 507
DULCE, NEW MEXICO 87528

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

Denial

PIT REMEDIATION AND CLOSURE REPORT

Operator:	<u>Robert L. Bayless</u>			Telephone:	<u>321-2659</u>				
Address:	<u>318 170 Farmington N/M. 87401</u>								
Facility or Well Name:	<u>Jicarilla 41 B 1</u>								
Location:	Unit:	<u>M</u>	Sec.	<u>31</u>	T.	<u>25</u> N	R. <u>4</u> W	County	<u>Rio Arriba</u>
Pit Type:	Separator	<u>X</u>	Dehydrator	<u> </u>	Other	<u> </u>			
Land Type:	<u>Jicarilla Apache</u>								

Pit Location:	Pit dimensions:	length	<u>15</u>	width	<u>20</u>	depth	<u>14</u>
(Attach diagram)	Reference:	wellhead	<u>X</u>	other	<u> </u>		
	Footage from reference:	<u>105'</u>					
	Direction from reference:	<u>180°</u>	Degrees	<u> </u>	East	North	<u> </u>
		<u> </u>	West	of	South	<u>X</u>	

Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	<u>0</u>
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 No	(20 points) (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 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points)	<u>0</u>
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 Greater than 100 feet	(10 points) (0 points)	<u>0</u>
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 Greater than 100 feet	(10 points) (0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS):	<u>0</u>
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Date Remediation Started: 11-8-97 Date Completed: 11-11-97

Remediation Method: Excavation _____ Approx. Cubic Yards _____

(Check all appropriate sections)

Landfarmed ✓ Amount Landfarmed (cubic yds): 25

Other _____

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

General Description of Remedial Action:

Arrived on location and took fence down
excavated pit

Ground Water Encountered: No ✓ Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location Bottom + Composite

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

Sample depth 14'

Sample date 11-11-97 Sample time _____

Sample Results

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

Total BTEX (ppm) 92 Toluene (ppb) _____

Field headspace (ppm) 89 Ethylbenzene (ppb) _____

TPH 1310 ppm Method 418.1 Total Xylenes (ppb) _____

Ground Water 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 MY BELIEF

DATE 11-11-97 PRINTED NAME Dave Sims

SIGNATURE Dave Sims AND TITLE Project Manager

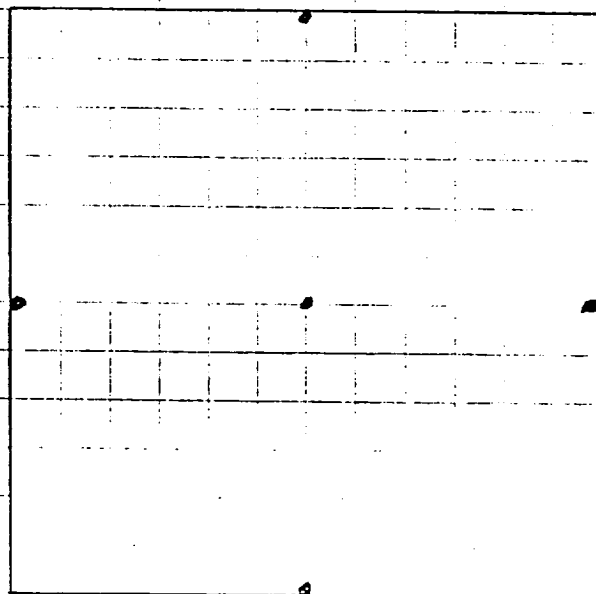
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kenneth Mammall DATE: 2-6-98

Location: Tigarulla 41 B1

Depth: 14



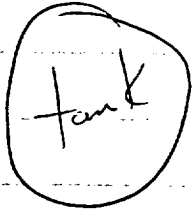
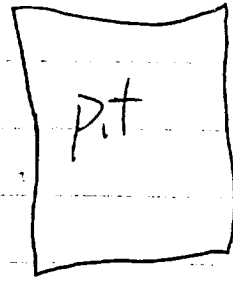
• Denotes Sample Location

Samples:

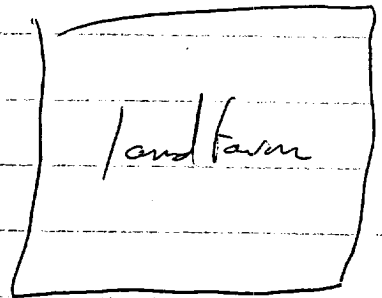
North : 17
South : 218
East : 193
West : 203
Bottom : 89

Jicarilla 41 B 1

N



well head
○



Jicarila 41 B 1

11-11-97

Arrived on location
took down fence

Began excavating on 11-7-97. couldn't finish
came back on 11-11-97 and continued to
dig + land firm on location. Dug pit
to approx. 14' and took readings.

Bottled Samples
Put up 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: 17-Nov-97
COC No.: 6574
Sample No.: 16839
Job No.: 2-1000

Project Name: *Arrowhead / RMI*
Project Location: *Jicarilla 41 B1 Composite*
Sampled by: WM
Analyzed by: DC
Sample Matrix: *Soil*

Date: 11-Nov-97 Time: 13:23
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	2	ug/kg
<i>Toluene</i>	4	ug/kg	2	ug/kg
<i>Ethylbenzene</i>	7	ug/kg	2	ug/kg
<i>m,p-Xylene</i>	32	ug/kg	2	ug/kg
<i>o-Xylene</i>	24	ug/kg	2	ug/kg
	<i>TOTAL</i>	67		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.: *6574*
Sample No.: *16839*
Job No.: *2-1000*

Project Name: *Arrowhead / RMI*
Project Location: *Jicarilla 41 B1 Composite*
Sampled by: *WM* Date: *11-Nov-97* Time: *13:23*
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>2750</i>	<i>250</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 - QCSSI</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*

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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.: 16840
Job No.: 2-1000

Project Name: *Arrowhead / RMI*
Project Location: *Jicarilla 41 B1 Bottom*
Sampled by: WM
Analyzed by: DC
Sample Matrix: *Soil*

Date: 11-Nov-97 Time: 13:23
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	2	ug/kg
<i>Toluene</i>	ND	ug/kg	2	ug/kg
<i>Ethylbenzene</i>	11	ug/kg	2	ug/kg
<i>m,p-Xylene</i>	57	ug/kg	2	ug/kg
<i>o-Xylene</i>	24	ug/kg	2	ug/kg
	<i>TOTAL</i>	<i>6092</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

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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.: *16840*
Job No.: *2-1000*

Project Name: *Arrowhead / RMI*
Project Location: *Jicarilla 41 B1 Bottom*
Sampled by: *WM*
Analyzed by: *HR*
Sample Matrix: *Soil*

Date: *11-Nov-97* Time: *13:23*
Date: *12-Nov-97*

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
<i>Total Petroleum Hydrocarbons, TPH</i>	<i>1310</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*

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