

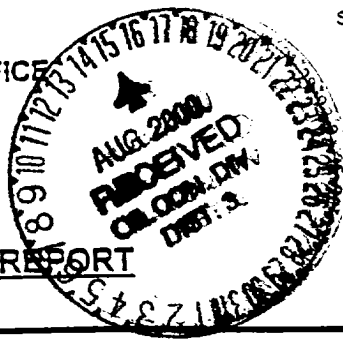
Donnell
DEPUTY OIL & GAS INSPECTOR

SEP 10 2000

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JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528



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

PIT REMEDIATION AND CLOSURE REPORT

Operator: Robert L. Bayless Telephone: 326-2659
Address: 368 170 Farmington
Facility or Well Name: Jicarilla 362 GD #2
Location: Unit: K Sec. 5 T. 23N R. 4W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 35 width 35 depth 20
(Attach diagram) Reference: wellhead ☒ other ☐
Footage from reference: 75'
Direction from reference: 30° Degrees ☒ East North ☐
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)

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)

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)

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)

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)

RANKING SCORE (TOTAL POINTS):

0

Date Remediation Started:

11-8-97

Date Completed:

11-11-97

Remediation Method:

Excavation

Approx. Cubic Yards

(Check all appropriate sections)

Landfarmed

X

Amount Landfarmed (cubic yds):

40

Other

plus hauled approx. 20 truck to landfarm

Remediation Location:

Onsite

40 yds

Offsite

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

General Description of Remedial Action:

Arrived on location and took down fence. Excavated approx 20 trucks to Tice landfarm and for reading; it was still too hot. So we excavated and landfarmed approx. 40 yds. Bottled samples.

Ground Water Encountered:

No

X

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

20'

Sample date

11-11-97

Sample time

10:00

Sample Results

Soil: Benzene (ppm)

ND

Water: Benzene (ppb)

Total BTEX (ppm)

437 PPB

Toluene (ppb)

Field headspace (ppm)

106

Ethylbenzene (ppb)

TPH

2350 ppm

Method

415.1

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:

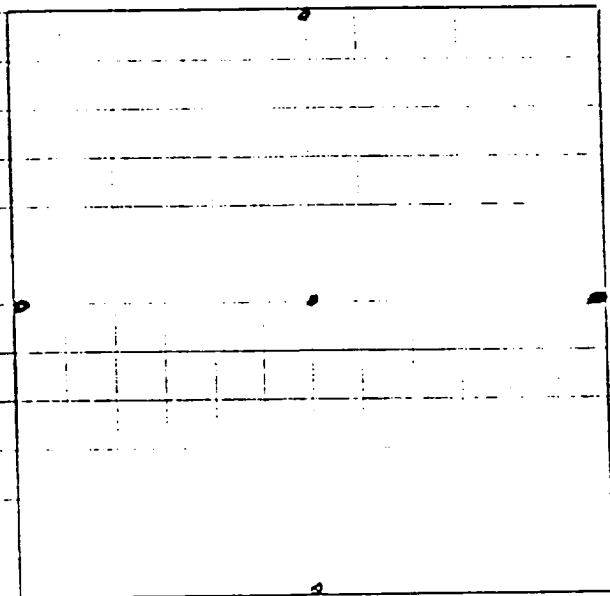
Kore C Marshall

DATE:

2-6-98

Location: Ticonderoga 362 GD # 2

Depth: 20



• Denotes Sample Location

Samples:

NORTH : 1

SOUTH : 6

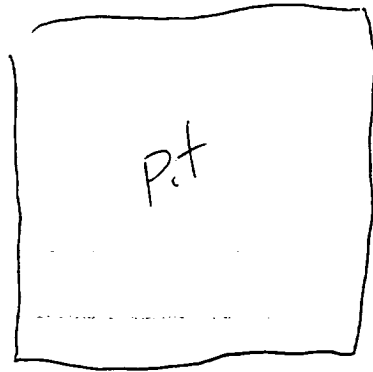
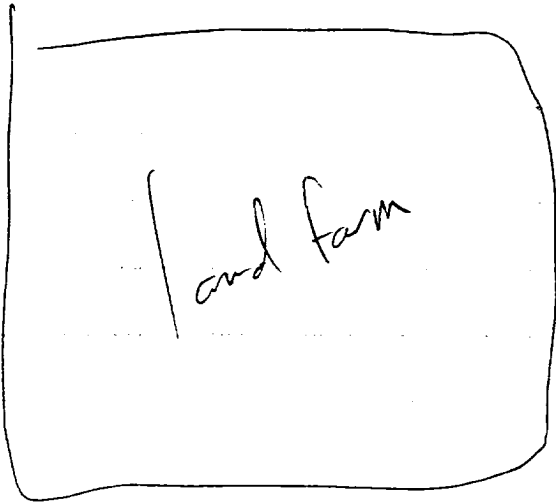
EAST : 39

WEST : 1

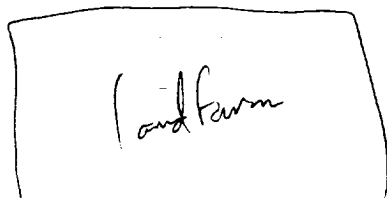
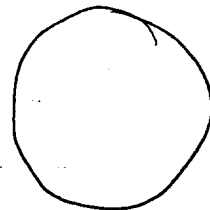
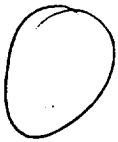
Bottom : 106

Jicarilla 362 GD #2

N



Wellhead



Jicarilla 362 GD # 2

11-11-97

Moved to location
took down fence

Excavated pit, Hauled approx 20 trucks to
Jicarilla land farm and took readings.
Still too hot so we excavated & land farmed
on location approx 40 yds.

took readings
Bottled samples

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.: **16838**
Lab No.: **01000**

Project Name: **Arrowhead / RMI**
Project Location: **Jicarilla 362 6D #2 Composite**
Sampled by: **WM** Date: **11-Nov-97**
Analyzed by: **DC** Date: **17-Nov-97**
Sample Matrix: **Soil**

Time: **10:00**

Laboratory Analysis

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

ND - Not Detected at Limit of Quantitation

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

Approved by: 
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 87401-2522*

Date: *14-Nov-97*
COC No.: *6574*
Sample No.: *16838*
Job No.: *11000*

Project Name: *Arrowhead / RMI*
Project Location: *Jicarilla 362 6D #2 Composite*
Sampled by: *WM* Date: *11-Nov-97* Time: *10:00*
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>62</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>NC</i>	<i>mg/kg</i>
<i>Laboratory Fortified Spike Soil - QCSS1</i>	<i>843</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: **14-Nov-97**
COC No.: **6574**
Sample No.: **16836**
Job No.: **2-1000**

Project Name: **Arrowhead / RMI**
Project Location: **Jicarilla 362 6D #2 Bottom**
Sampled by: **WM** Date: **11-Nov-97** Time: **10:00**
Analyzed by: **HR** Date: **12-Nov-97**
Sample Matrix: **Soil**

Laboratory Analysis

Parameter	Results as Received	Limit of Quantitation	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	2350	250	mg/kg	EPA Method 418.1

ND - Not Detected at Limit of Quantitation

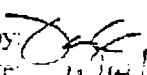
Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

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

Duplication

Laboratory Identification	RPD	Limit RPD
16841-6574	10.9	15.0

Approved by: 
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: *Farmington, NM 87401-2502*

Date: *17-Nov-97*
COC No.: *6574*
Sample No.: *15836*
Lab No.: *2-7000*

Project Name: *Arrowhead / RMI*
Project Location: *Jicarilla 362 6D #2 Bottom*
Sampled by: *WM* Date: *11-Nov-97* Time: *10:00*
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
Benzene	ND	ug/kg	2	ug/kg
Toluene	13	ug/kg	2	ug/kg
Ethylbenzene	61	ug/kg	2	ug/kg
m,p-Xylene	205	ug/kg	2	ug/kg
o-Xylene	161	ug/kg	2	ug/kg
TOTAL		0.439		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

Date: 30-Sep-98

Client:	Bayless Drilling Company / Robert L. Bayl	Client Sample Info:	R.L. Bayless
Work Order:	9809062	Client Sample ID:	Jicarilla 362 GD #2
Lab ID:	9809062-02A	Matrix:	SOIL
Project:	Bayless Jicarilla	Collection Date:	9/23/98 6:17:00 PM
		COC Record:	5567

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
TPH, T/R SOIL		E418.1				Analyst: HR
Petroleum Hydrocarbons, T/R	320		24	mg/Kg	1	9/28/98

Qualifiers:

- PQL - Practical Quantitation Limit
- ND - Not Detected at Practical Quantitation Limit
- J - Analyte detected below Practical Quantitation Limit
- B - Analyte detected in the associated Method Blank

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

1 of 1

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>325-2659</u>	
Address: <u>318 US Hwy 170 Farmington NM 89401</u>			
Facility or Well Name: <u>Jicarilla 362 GD #2</u>			
Location:	Unit: _____	Sec. <u>5</u> T. <u>23</u> N R. <u>4</u> W	County <u>Rio Arriba</u>
Land Type:	<u>Jicarilla Apache</u>		
Date Remediation Started: <u>6-28-98</u>		Date Completed: _____	
Remediation Method: Landfirmed <u>X</u>		Approx. cubic yards <u>40</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>9/23/08</u> Time <u>1:17pm</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>320</u> <u>106</u>	
Distance to Surface Water: (pts.) <u>0</u>		TPH (ppm) <u>320</u> Method <u>E418.1</u>	
Ranking Score (Total Points): <u>0</u>		Other _____	
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 <u>X</u> NO _____		(REASON) <u>Land firm closed</u>	
SIGNED: <u>[Signature]</u>		<u>not for backfill</u>	
DATE: <u>10/19/08</u>		_____	