

DEPUTY OIL & GAS INSPECTOR

FEB 08 1999

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

Approved PI

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (*CENOCO*) **Telephone:** 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Axi Apache J21

Location: Unit: *I* Sec. *5* T. *25* N R. *5* W County *Rio Arriba*

Pit Type: Separator Dehydrator Other *Manual down blowdown*

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 18' width 18' depth 3'

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 200'

Direction from reference: 75 Degrees X East of North _____
West of South X

Depth to Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of 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: 7-29-98 Date Completed: 11/2/98

Remediation Method: Excavation X Approx. Cubic Yards 2224

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 1468

Other There was 556 yds. of clean overburden

Remediation Location: Onsite 834 yds on site Offsite 834 yds on Ar. Apache J18

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

General Description of Remedial Action:

Removal of contaminated soil from all four sidewalls and bottom, as to get a below 100 ppm head space reading.

Final excavation dimensions: 70'(W+5) X 33'(E+W) X 26'(D)

Ground Water Encountered: No X Yes Depth

Final Pit Closure Sampling:

Sample Location All four walls North, East South, and west, and a three point composite sample of the bottom

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

Sample depth 26'

Sample date 8-4-98 Sample time 0735

Sample Results

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

Total BTEX (ppm) Toluene (ppb)

Field headspace (ppm) 59.6 Ethylbenzene (ppb)

TPH ND ppm Method 8015 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 8-31-98 PRINTED NAME Roy Burnham Ray Haston

SIGNATURE Ray Haston AND TITLE Environmental Technician II

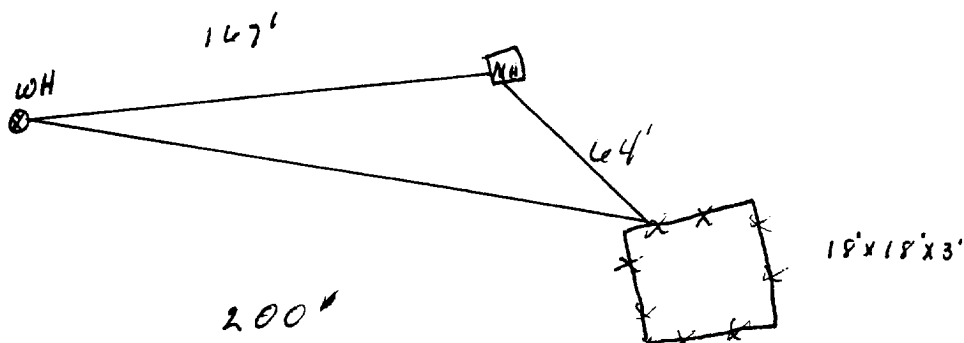
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO (REASON):

SIGNED: Kew C Mammall DATE: 9-3-98

Axi Apache J21
 5-25W-5W Unit I
 CONOCO
 7-29-98

↑
 N



SEP



Excavation Sampling

North wall sample
 @ 24' - 3.9 ppm

70' (N+S) x 33' (E+W) x 26' (D)

West wall sample
 @ 24' - 40.6 ppm

East wall sample
 at 24' - 5.7 ppm

3 point composite
 bottom sample
 at 26' - 59.6 ppm

South wall sample
 @ 24' - 0 ppm

5' sample 430 ppm
 10' sample 1999 ppm
 15' sample 1949 ppm
 20' sample 640 ppm
 25' sample 240 ppm
 26' sample 90.4 ppm

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 14-Aug-98

CLIENT: PNM - Public Service Company of NM
Project: Axi Apache J21
Lab Order: 9808011

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Aug-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J21
Work Order:	9808011	Client Sample ID:	9808060735; 3pt. Comp. Bottom
Lab ID:	9808011-02A	Matrix:	SOIL
Project:	Axi Apache J21	Collection Date:	8/6/98 7:35:00 AM
		COC Record:	5246

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	8/10/98

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

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Aug-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J21
Work Order:	9808011	Client Sample ID:	9808060725; Wall Comp.
Lab ID:	9808011-01A	Matrix:	SOIL
Project:	Axi Apache J21	Collection Date:	8/6/98 7:25:00 AM
		COC Record:	5246

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	8/10/98

Qualifiers:

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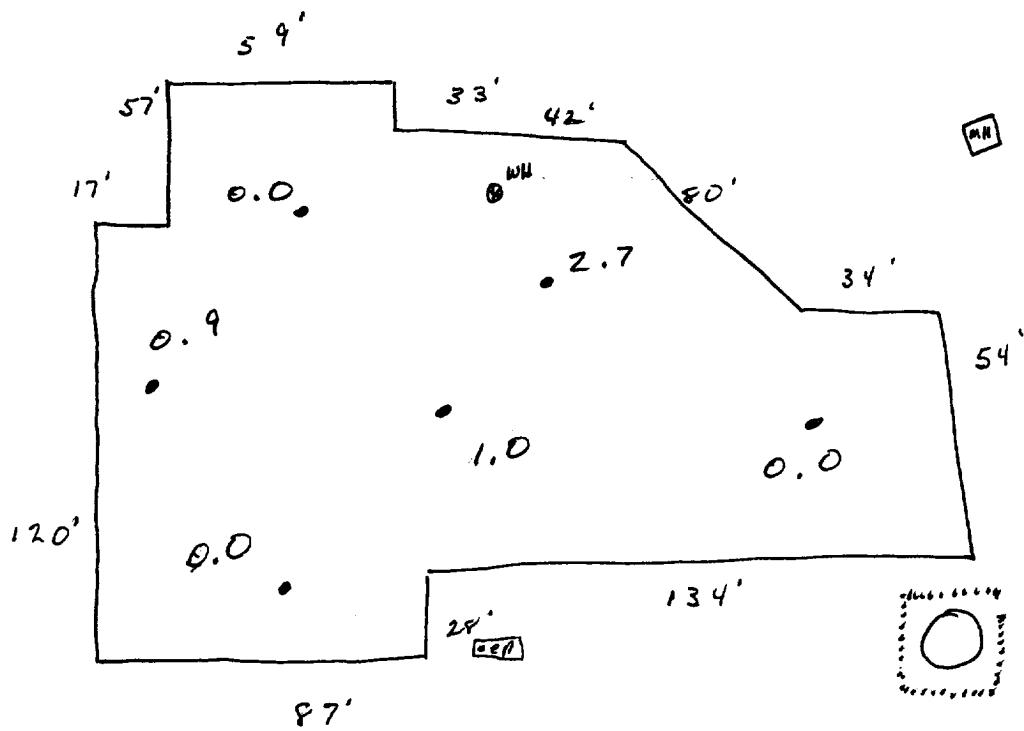
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ON-SITE SOIL REMEDIATION REPORT *LF #1*

Operator: PNM Gas Services (<i>CONOCO</i>) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: <i>Axi Apache J21</i>	
Location:	Unit: <i>I</i> Sec. <i>5</i> T. <i>25 N</i> R. <i>5 W</i> County <i>Rio Arriba</i>
Land Type:	<i>Jicarilla Apache</i>
Date Remediation Started: <i>7-29-98</i> Date Completed: <i>10-6-98</i>	
Remediation Method: Landfamed <i>K</i> Approx. cubic yards <i>834</i> Composted <i> </i> Other <i> </i>	
Depth to Ground Water: (pts.) <i>0</i>	Final Closure Sampling: Sampling Date: <i>9-30-98</i> Time <i>1211</i> Sampling Results: Field Headspace (ppm) <i>2.7</i> TPH (ppm) <i>N/D</i> Method <i>8015</i> Other <i> </i>
Distance to an Ephemeral Stream: (pts.) <i>0</i>	
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <i>0</i>	
Wellhead Protection Area: (pts.) <i>0</i>	
Distance to Surface Water: (pts.) <i>0</i>	
Ranking Score (Total Points): <i>0</i>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <i>10-24-98</i>	PRINTED NAME Ray Burnham <i>Ray Haston</i>
SIGNATURE <i>Ray Haston</i>	AND TITLE <i>Environmental Technician II</i>
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED: YES <i>X</i> NO <i> </i> (REASON) <i>use as Backfill</i>	
SIGNED: <i>K. C. Mena</i>	DATE: <i>11-2-98</i>

Aki Apache V21 Landfarm 1
5-25N-5W unit I
CONOCO



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-21#1 LF
Work Order:	9810005	Client Sample ID:	9809301211; 6pt. Composite
Lab ID:	9810005-03A	Matrix:	SOIL
Project:	Jicarilla Landfarms	Collection Date:	9/30/98 12:11:00 PM
		COC Record:	7509

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/6/98

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1

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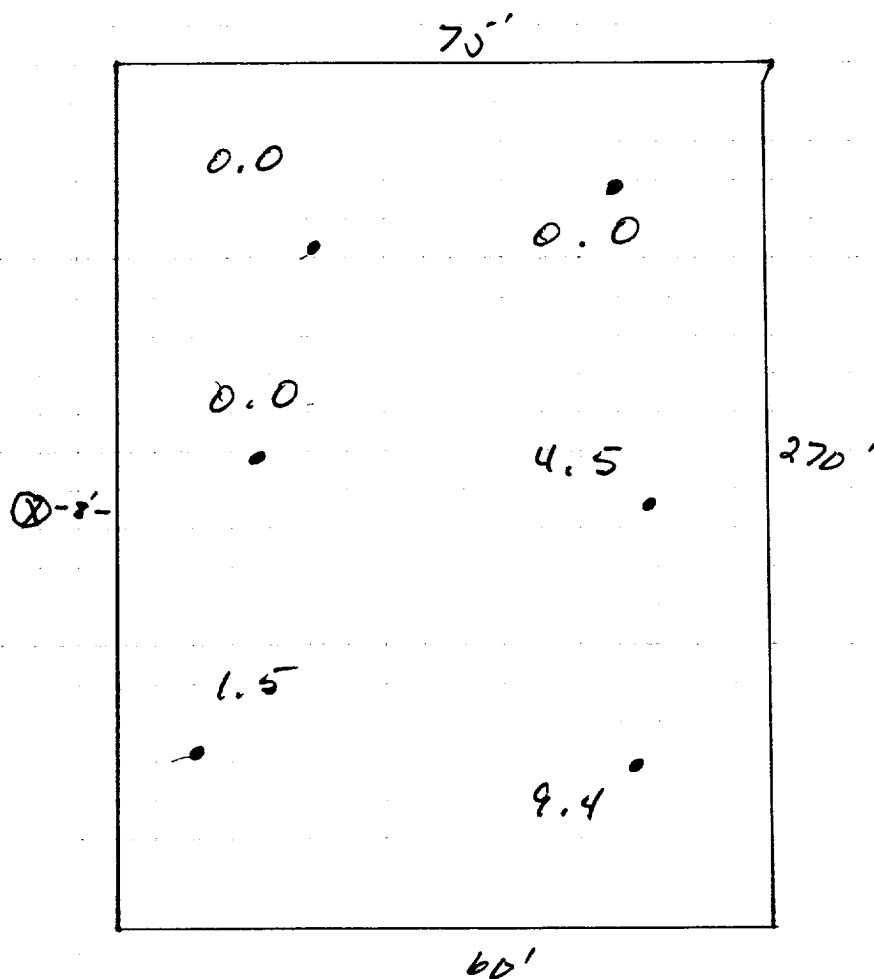
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ON-SITE SOIL REMEDIATION REPORT LF #2

Operator: PNM Gas Services (<u>CONOCO</u>) Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Axi Apache J21</u>	
Location: Unit: <u>I</u> Sec. <u>5</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>2-29-98</u> Date Completed: <u>10-6-98</u>	
Remediation Method: Landfirmed <u>X</u> Approx. cubic yards <u>834</u> Composted <u> </u> Other <u> </u>	
Depth to Ground Water: (pts.) <u>0</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>	Final Closure Sampling: Sampling Date: <u>9-30-98</u> Time <u>1146</u> Sampling Results: Field Headspace (ppm) <u>9.4</u> TPH (ppm) <u>45</u> Method <u>8015</u> Other <u> </u>
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>10-24-98</u> PRINTED NAME <u>Roy Burnham Ray Haston</u>	
SIGNATURE <u>Ray Haston</u> AND TITLE <u>Environmental Technician II</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 <u> </u> (REASON) <u>was a2 Backfill</u>	
SIGNED: <u>Kim C Mearl</u> DATE: <u>11-2-98</u>	

Axi Apache J-21
Conoco
Sec. 5, 25N, 5W, I
Landfarm #2

Landfarmed: Axi Apache J-18A
Conoco
Sec. 8, 25N, 5W, A



2"-12" depth
soil vapor head space reading = 9.4

not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache J-21#2 LF
Work Order:	9810005	Client Sample ID:	9809301146; 6pt. Composite
Lab ID:	9810005-01A	Matrix:	SOIL
Project:	Jicarilla Landfarms	Collection Date:	9/30/98 11:46:00 AM
		COC Record:	7509

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	45	25		mg/Kg	1	10/6/98

Qualifiers:

PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
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