

George S. Frost
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

FEB 08 1993

P.O. BOX 507
DULCE, NEW MEXICO 87528

Approved

PIT REMEDIATION AND CLOSURE REPORT

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 0-1</u>					
Location:	Unit: <u>A</u>	Sec. <u>10</u>	T. <u>25</u> N	R. <u>4</u> W	County	<u>Rio Arriba</u>
Pit Type:	Separator <u>X</u>	Dehydrator		Other		
Land Type:	<u>Jicarilla Apache</u>					

Pit Location:	Pit dimensions:	length <u>20'</u>	width <u>20'</u>	depth <u>3'</u>
(Attach diagram)	Reference:	wellhead <u>X</u>	other	
	Footage from reference:	<u>54'</u>		
	Direction from reference:	<u>45</u> Degrees	East	North
			West	South

Depth to Ground Water:	Less than 50 feet	(20 points)	
Vertical distance from contaminants to seasonal high water elevation of ground water)	50 feet to 99 feet	(10 points)	<u>0</u>
	Greater than 100 feet	(0 points)	
Wellhead Protection Area:	Yes	(20 points)	<u>0</u>
(Less than 200 feet from a private domestic water source or less than 1,000 feet from all other water sources)	No	(0 points)	
Distance to Surface Water:	Less than 200 feet	(20 points)	
Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	200 feet to 1,000 feet	(10 points)	<u>0</u>
	Greater than 1,000 feet	(0 points)	
Distance to Ephemeral Stream (dry wash):	Less than or equal to 100 feet	(10 points)	<u>0</u>
(Horizontal distance to all downgradient streams having a width of at least 10 feet)	Greater than 100 feet	(0 points)	
Distance to Nearest Lake, Playa, or Watering Pond:	Less than or equal to 100 feet	(10 points)	<u>0</u>
Horizontal distance to all downgradient lakes, playas and livestock or wildlife water ponds)	Greater than 100 feet	(0 points)	
RANKING SCORE (TOTAL POINTS):			<u>0</u>

Date Remediation Started: 11-5-98 Date Completed: 12/28/98

Remediation Method: Excavation X Approx. Cubic Yards 312

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 312

Other _____

Remediation Location: Onsite X Offsite _____

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

General Description of Remedial Action:

Removed contaminated soil from all four side walls
as to get a below 100 ppm head space reading.
Bottom is hard sand stone rock.
Excavation size 34'x31'x8'

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North, East, South West side walls
and bottom of pit.

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

Sample depth 8'

Sample date 11/5/98 Sample time 1146

Sample Results

Soil: Benzene (ppm) N D Water: Benzene (ppb) _____

Total BTEX (ppm) 0.296 Toluene (ppb) _____

Field headspace (ppm) 422 Ethylbenzene (ppb) _____

TPH 32 ppm Method 805 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 11/23/98

PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham

AND TITLE Environmental Technician II

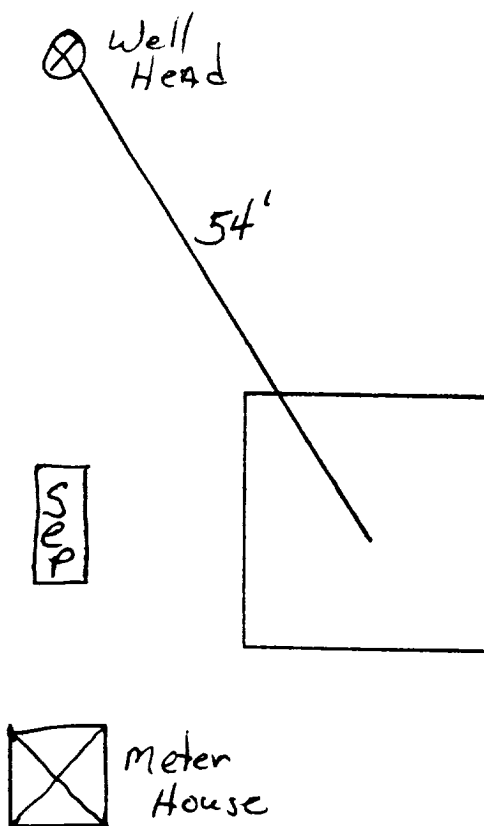
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

SIGNED: Ken C. M... DATE: 11-30-98

Hxi Apache 0-1
Sec. 10 T25N R4W Unit A
Conoco

Site drawing



Rxi Apache 0-1
Sec. 10 T25N R4W Unit A
Conoco

Excavation Drawing 34' x 31' x 8'

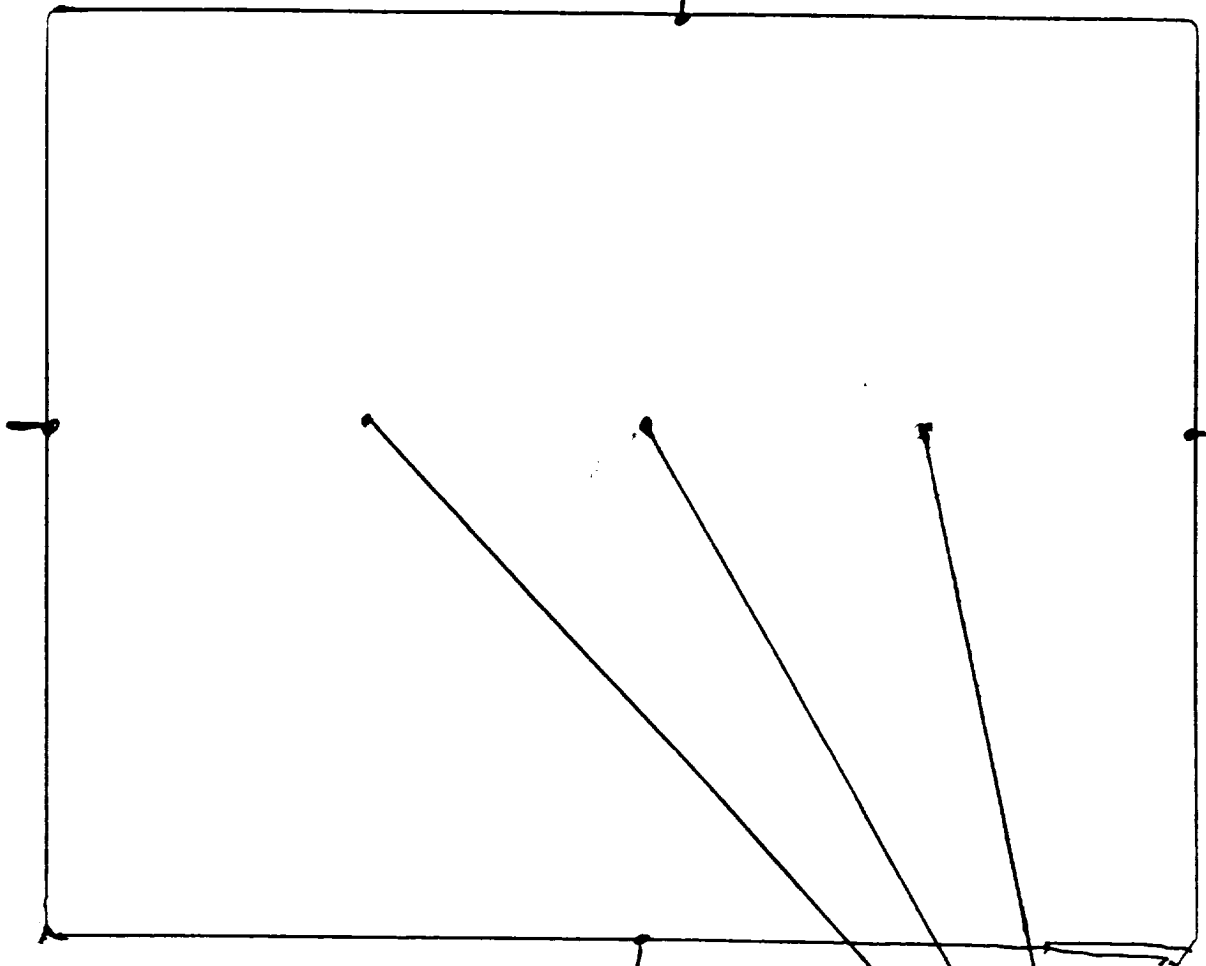
North Wall
Sample 7'
49.3 ppm

West Wall
Sample 7'
3.5 ppm

East Wall
Sample
55.6,

South Wall
Sample 7'
53.5 ppm

Bottom
Sample 8'
422 ppm
Rock



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 16-Nov-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9811016

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:** 16-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache O-1
Work Order:	9811016	Client Sample ID:	9811051146; 3pt. Comp. Bottom
Lab ID:	9811016-04A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/5/98 11:46:00 AM
		COC Record:	7399

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	32	25		mg/Kg	1	11/15/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	2		µg/Kg	2	11/7/98
Toluene	ND	4		µg/Kg	2	11/7/98
Ethylbenzene	12	2		µg/Kg	2	11/7/98
m,p-Xylene	220	4		µg/Kg	2	11/7/98
o-Xylene	64	2		µg/Kg	2	11/7/98

296
 .296 ppm

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

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 16-Nov-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache O-1
Work Order:	9811016	Client Sample ID:	9811051145; 4pt. Comp. Walls
Lab ID:	9811016-03A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/5/98 11:45:00 AM
		COC Record:	7399

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	11/15/98

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
Surri - Surrogate

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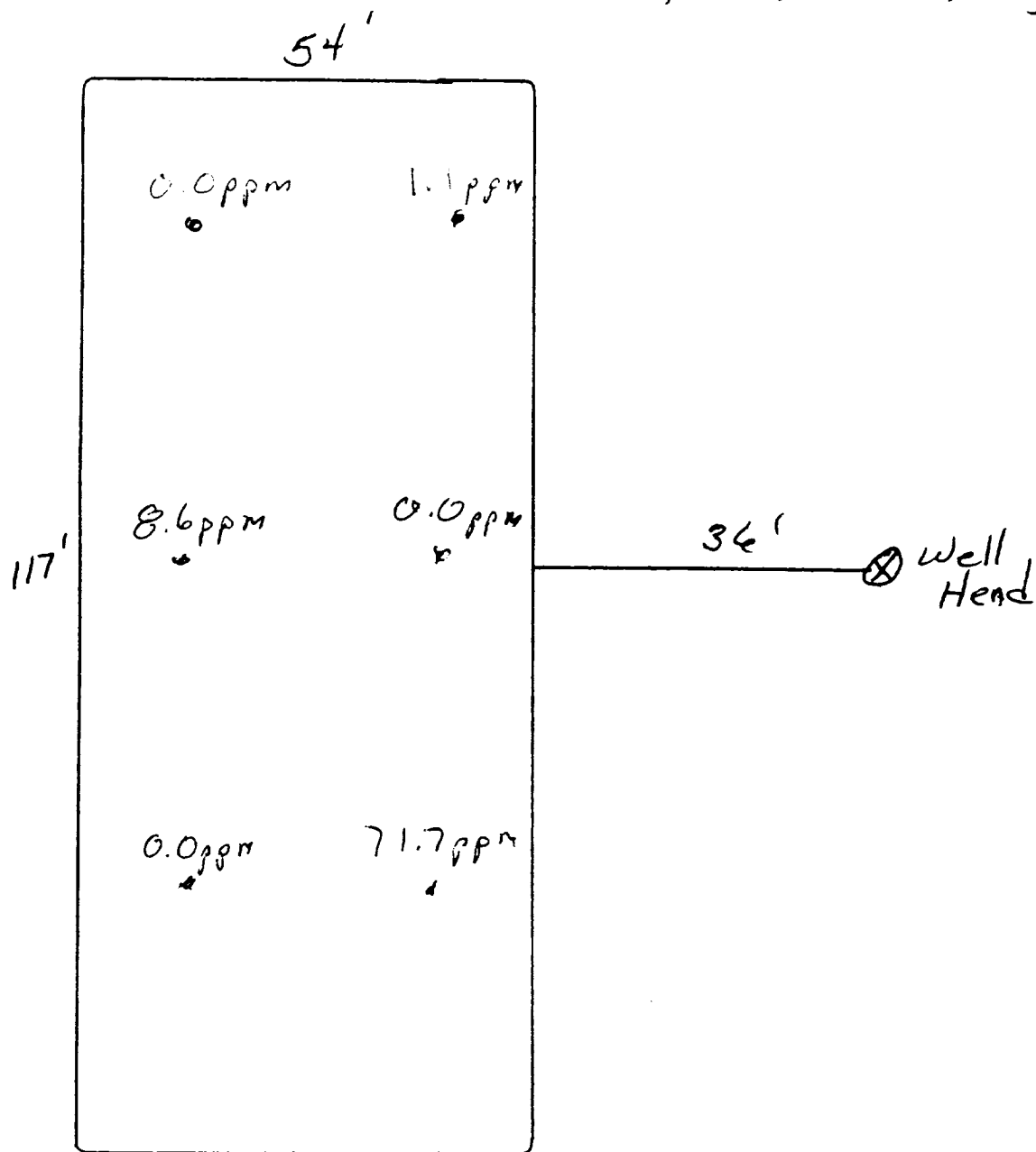
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NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services (Conoco)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Axi Apache 0-1</u>	
Location: Unit: <u>A</u> Sec. <u>10</u> T. <u>25N</u> R. <u>4 W</u> County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>11/5/98</u> Date Completed: <u>12/14/98</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>312</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>12/9/98</u> Time <u>1111</u> Sampling Results: Field Headspace (ppm) <u>71.7</u> TPH (ppm) <u>ND</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>12/21/98</u> PRINTED NAME <u>Roy Burnham</u>	
SIGNATURE <u>Roy Burnham</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>use as Backfill</u>	
SIGNED: <u>Kurt C Mendenhall</u> DATE: <u>12-28-98</u>	

Hx Apache 0-1
Sec. 10 T25N R4W Unit A
Conoco

Landfarm Drawing



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 17-Dec-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla Pit Remediation
Lab Order: 9812018

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: 17-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Axi Apache O-1 LF
Work Order:	9812018	Client Sample ID:	9812091111 6pt Composite
Lab ID:	9812018-03A	Matrix:	SOIL
		Collection Date:	12/9/98 11:11:00 AM
Project:	Jicarilla Pit Remediation	COC Record:	7450

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: HR 12/14/98

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

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