Denny S. Fout DEPUTY OIL & GAS INSPECTOR

ALTERNATION OF STREET

JICARILLA APACHE TRIBE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS

ADMINISTRATION

FEB 26 1998

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507 DULCE, NEW MEXICO 87528

Approved

PIT REMEDIATION AND CLOSURE REPORT

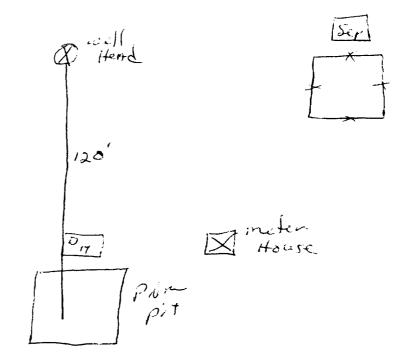
Operator: PNM Gas Services (A mac	<u>(2)</u> Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 874	01
Facility or Well Name: Jich willa 17 pm	che 102-29A
Location: Unit: C Sec. 7	T. 26 N R. 4 W County Rio Arriba
Pit Type: Separator Dehydrator	X Other
Land Type:	
Pit Location: Pit dimensions: length	21 width $3\hat{C}$ depth 7
(Attach diagram) Reference: wellhead	other
Footage from reference: /	20'
Direction from reference: Stri	Degrees East North
	West South X
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) 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	Yes (20 points) No (0 points)
Distance to Sturface 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) Greater than 1,000 feet (0 points)
Distance to Ephemeral Stream (dry wash):	Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points)
(Horizontal distance to all downgradient streams having a width of at least 10 feet)	
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):

Date Remediation Started	l: <u>7/3/97</u>	Date Completed:
Remediation Method:	Excavation X	Approx. Cubic Yards/ 4 O
(Check all appropriate	Landfarmed X	Amount Landfarmed (cubic yds): / 4 C
sections)	Other	
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	OnsiteX	Offsite
1	Remedial Action: Haminated Soil Below 160 pp. 1	
Ground Water Encounte	ered: No Yes	Depth
Final Pit Closure Sampling:	Sample Location Non-the-	h East South, and
(if multiple samples, attach sample result and diagram of sample locations and	Sample depth $\frac{\mathcal{E}^{1}}{1}$	Sample time
depths.)	Sample Results	
Soil:	Benzene (ppm)	RAD Water: Benzene (ppb)
	Total BTEX (ppm	ROD Toluene (ppb)
	Field headspace (ppm) 23.	
	TPH 15 ppm Method	8015 Total Xylenes (ppb)
Ground Water Sampi	e: Yes No	(If yes, attach sample results)
I HEREBY CERTIFY THA		TRUE AND COMPLETE TO THE BEST OF MY
DATE	(- 1 -	INTED NAME Ronald A. Dedrick
SIGNATURE LO	red A Daniel AM	ND TITLE Environmental Technician II
	E PIT CLOSURE INFORMATION, I TRIBE PIT CLOSURE ORDINANO	PIT CLOSURE IS APPROVED IN ACCORDANCE CE.
APPROVED: YES	NO (REASO	ON): Spray a close
SIGNED: Kital	Mamll DA	ATE: <u>7-9-97</u>

JICHTILIA HABOLLE 162-2717 Sec 9 TZGN R4W Clait C. HMOCC

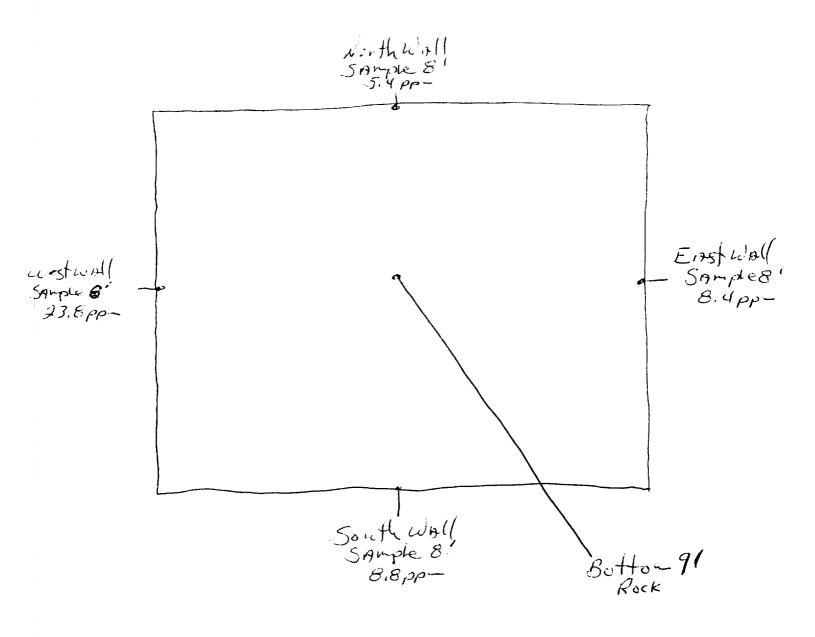






JIKATILIO HAPACHE 162-2117 Sec 9 TOLN RAW LINITO AMOCC

21/20/91



5'5Ample-412pp-

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

8-Jul-97

Company: PNM Gas Services

COC No.:

5502

Address:

603 W. Elm

Sample No.:

15189

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-29A

Project Location:

9707030851; 4pt. Composite

PΑ

Date:

3-Jul-97 Time:

8:51

Sampled by: Analyzed by:

DC/HR

Date:

8-Jul-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Jonanumy C	Continuing Cumbration Vernicularin							
	Method	Unit of	True	Analyzed		RPD		
Parameter	Blank	Measure	Value	Value	RPD	Limit		
Diesel Range (C10 - C28)	ND	ppm	200	185	7.8	15%		

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	84	89	(70-130)	5	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: Hidi Reese Date: 7/9/97

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT AMENDED REPORT

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

City, State: Farmington, NM 87401

603 W. Elm

Date:

15-Jul-97

COC No.:

5502

Sample No.:

15189

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-29A

Project Location:

9707030851; 4pt. Composite PA

Date:

3-Jul-97 Time:

8:51

Sampled by: Analyzed by:

DC

Date:

8-Jul-97

Sample Matrix:

Soil

Laboratory Analysis

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

ND - Not Detected at Limit of Quantitation

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

AMENDED REPORT

Approved by:

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Amoco	Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Jicavilla Aprich	102-294
Location: Unit: Sec. 9 T.	26 N R. 4 W County Rio Arriba
Land Type: Jicarilla Apache	
Date Remediation Started: 7/3/97 Remediation Method: Landfarmed X Composted Other	Approx. cubic yards 7/16/97 140
Depth to Ground Water: (pts.)	Final Closure Sampling:
Distance to an Ephemeral Stream: (pts.)	Sampling Date: 7/16/97 Time 1320
Distance to Nearest Lake, Playa, (pts.) or Watering Pond:	Sampling Results:
Wellhead Protection Area: (pts.)	Field Headspace (ppm) 93./
Distance to Surface Water: (pts.)	TPH (ppm) ND Method $S015$
Ranking Score (Total Points):	- Called
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND	COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF
DATE $\frac{7/24/97}{2}$ PRINTED N	IAME Ronald A. Dedrick
SIGNATURE Ronald A Dedrick AN	ND TITLE Environmental Technician II
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-S JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	ITE REMEDIATION APPROVED IN ACCORDANCE TO THE
APPROVED: YES X NO (REASON)	ude as Backfill
SIGNED: Keur Manuel DA	TE: 7-29-97

Sec 9 T26N R4W Unit (Amoco

Landfarm

93.1pp- 1.4pp- 20'

1.8pp- 3.2pp-

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

24-Jul-97

Company: PNM Gas Services

COC No.:

5527

Address:

Sample No.:

15381

603 W. Elm

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-29A Landfarm

Project Location:

9707161320; 5pt. Composite

Date:

16-Jul-97 Time:

13:20

Sampled by: Analyzed by: RB DC

Date:

22-Jul-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

	Method	Unit of	True	Analyzed		RPD
Parameter	Blank	Measure	Value	Value	RPD	Limit
Diesel Range (C10 - C28)	ND	ppm	200	194	2.9	15%

Matrix Snike

Wattix Spike								
	1- Percent	2 - Percent			RPD			
Parameter	Recovered	Recovered	Limit	RPD	Limit			
Diesel Range (C10-C28)	88	93	(70-130)	5	20%			

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: Date: 2/24 87