## JICARILLA APACHE TRIBE DEPUTY OIL & GAS INSPECTOR P.O. BOX 507 DULCE, NEW MEXICO 87528

**DULCE, NEW MEXICO 87528** 

FEB 2 8 1997

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NATURAL RESOURCE DEE

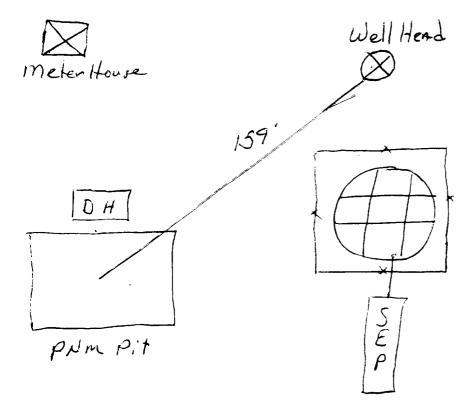
## PIT REMEDIATION AND CLOSURE REPORT

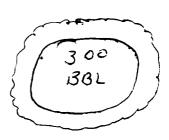
Operator: PNM GAS Services Telephone: 324-3763	
Address: 603 W. Elm Farmington, N. Men 87401	
Facility or Well Name: <u>Jicanilla</u> 103-7 (Menidian)	
Location: Unit or Qtr/Qtr Sec P Sec 19 T26 R4W County Rio Arriba	
Pit Type: Separator Dehydrator Y Other	
Land Type: Ticarilla Apache	
Pit Location: Pit dimensions: length 22, width 20, depth 8'	
(Attach diagram) Reference: wellhead X, other	
Footage from reference: 159 '	
Direction from reference: 75 Degrees East North	
West South of West	
Depth To Groundwater:  (Vertical distance from  Less than 50 feet (20 points)  (10 points)	
(Vertical distance from 50 feet to 99 feet (10 points) contaminants to seasonal Greater than 100 feet (0 points) figh water elevation of groundwater)	
high water elevation of	
high water elevation of groundwater)  Distance to an Ephenieral Stream (Downgradient dry wash greater than Greater than 100 feet (0 points)	
high water elevation of groundwater)  Distance to an Ephemeral Stream (Downgradient dry wash greater than Greater than 100 feet ten feet in width)  Distance to Nearest Lake, Playa, or Watering Pond Less than 100 feet (10 points)  (Downgradient lakes, playas and Greater than 100 feet (0 points)	

RANKING SCORE (TOTAL POINTS):

Date Remediation Started: 7/18/96 Date Completed: 7/24/96
Remediation Method: Excavation X Approx. cubic yards /30  (Check all appropriate sections) Landfarmed X
Other
Remediation Location: Onsite X Offsite
General Description of Remedial Action: Removed contaminated soil to A
below 100 ppm head space reading o- All four Walls. Bottom
Groundwater Encountered: No X Yes Depth
Final Pit: Sample location North East, South A. Closure Sampling: (if multiple samples. West side walls attach sample results and diagram of sample Sample depth 7 locations and depths)  Sample date 7/18/96 Sample time 1007
Sample Results
Soil: Benzene 800 (ppm) <u>C.C014</u> Water: Benzene (ppb)
Total BTEX (ppm) CO444 Toluene (ppb)
Field Headspace (ppm) Ethylbenzene (ppb)
TPH 8015 (ppm) <u>(5, č</u> Total Xylenes (ppb)
Groundwater 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 KNOWLEGE AND BELIEF
DATE 7/22/96 PRINTED NAME RONALD 17. Dedrick SIGNATURE RONALD Dedrick AND TITLE E.T.
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.
APPROVED: YES X NO (REASON)
APPROVED: YES X NO (REASON)  SIGNED: Manual DATE: 7-24-76

Jicarilla 103-7 Sec. 19 T26N R4W Meridian





OFF: (505) 325-5667



LAB: (505) 325-1556

#### Diesel Range Organics

Attn:

Denver Bearden

Date:

19-Jul-96

Company: PNM Gas Services

COC No.:

4799

Address:

Sample No.

11549

603 W. Elm

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Jicarilla 103-7 Run 12-51

**Project Location:** 

9607181007; 4pt. Composite

18-Jul-96 Time:

10:07

Sampled by: Analyzed by:

ΕP HR/DC Date: Date:

19-Jul-96

Sample Matrix:

Soil

#### Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg

#### Quality Assurance Report

DRO QC No.:

0479-QC

#### Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,912	4.4	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	98	100	(70-130)	2	20%

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

Approved by: Date: OFF: (505) 325-5667



LAB: (505) 325-1556

### AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date: 19-Jul-96

Company: PNM Gas Services

COC No.:

Address:

Sample No.:

4799 11549

City, State: Farmington, NM 87401

603 W. Elm

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla 103-7 Run 12-51

**Project Location:** 

9607181007; 4pt. Composite

Date:

18-Jul-96 Time:

Sampled by: Analyzed by: EP HR/DC

Date:

19-Jul-96

10:07

Sample Matrix:

Soil

#### Laboratory Analysis

Compon <del>e</del> nt		Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene		1.4	ug/ <b>kg</b>	0.2	ug/kg
Toluene		35.2	ug/ <b>kg</b>	0.2	ug/kg
Ethylbenzene		0.6	ug/kg	0.2	ug/ <b>kg</b>
m,p-Xylene		5.1	ug/ <b>kg</b>	0.2	ug/kg
o-Xylene		2.1	ug/kg	0.2	ug/ <b>kg</b>
	TOTAL	44.4	ug/kg		

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

Approved by: Ja (

Date: = //9/96

# 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: PNM GAS Services	Telephone: 324-3763							
Address: 603 W. Elm Farming ton, N. Mex 87401								
Facility or Well Name: Jicarilla 103 - 7								
Location: Unit or Qtr/Qtr Sec Sec 19 Tolow R4W County Rio Arriba								
Land Type: Jicarilla Apriche								
Date Remediation Started: 7/18/96 Date Completed:								
Remediation Method: Landfarmed X	Approx. cubic yards							
Composted								
Other								
Depth To Groundwater: (pts.)	Fig. 1 Cl							
n:	Final Closure Sampling:							
· · · · · · · · · · · · · · · · · · ·	Sampling Date: $\frac{9/13/96}{}$ Time: $\frac{0.957}{}$							
Distance to Nearest Lake, Playa, or Watering Pond (pts.)	Sample Results:							
Wellhead Protection Area: (pts.)	Field Headspace (ppm) <u>&amp; 7.7</u>							
Distance To SurfaceWater: (pts.)	TPH (ppm) =376 Method 3015							
-	Other							
RANKING SCORE (TOTAL POINTS):								
I HEREBY CERTIFY THAT THE INFORMATION ABOV KNOWLEGE AND BELIEF	E IS TRUE AND COMPLETE TO THE BEST OF MY							
DATE <u>8/18/96</u> PRINTED I	NAME Ronald A. Dedrick							
SIGNATURE Roused 1) Deducte AND TITLE =								
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.								
APPROVED: YES X NO (REASON)								
SIGNED: Keo & Manuel DATE: 8-19-96								

Jicarilla 103-7 Sec. 19 T26N R4W Meridian

## LANd Farm

8.0pp 1.7pp10.9pp5.2pp-

.

OFF: (505) 325-5667



LAB: (505) 325-1556

#### Diesel Range Organics

Attn:

Denver Bearden

15-Aug-96

Company: PNM Gas Services

COC No.:

4838

Address:

603 W. Elm

Sample No.

Date:

11782

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Jicarilla 103-7 Landfarm Run 12-51

**Project Location:** 

9608130951; 5pt. Composite RD

Date:

13-Aug-96 Time:

9:51

Sampled by: Analyzed by:

DC/HR

Date:

15-Aug-96

Sample Matrix:

Soil

#### Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Diesel Range Organics (C10 - C28)	2376.3	mg/kg	5.0	mg/kg

#### Quality Assurance Report

DRO QC No.:

0479-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	100	98	2.4	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	112	114	(70-130)	1	20%

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

Approved by: ( Date: