# JICARILLA APACHE TRIBE DEPUTYOIL & GAS INSPECTOR ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507

SUBMIT LOOPS

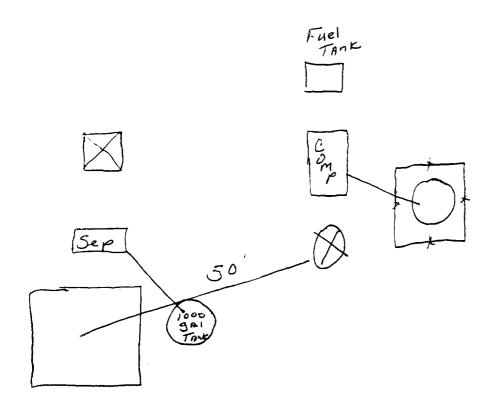
FEE 2 8 1997 **DULCE, NEW MEXICO 87528** 

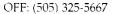
### PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM GAS Services Telephone: 324-3763
Address: 603 W. Elm Farming ton, N. Mex. 87401
Facility or Well Name: Ticarilla E-11 Conoco
Location: Unit or Qtr/Qtr Sec C Scc 22 T2W R4W County Rio Arriba
Pit Type: Separator X Dehydrator Other
Land Type:TicArillA 12pache
Pit Location: Pit dimensions: length <u>JZ'</u> , width <u>/8'</u> , depth <u>/0'</u> Reference: wellhead X, other  Footage from reference: <u>50'</u>
Direction from reference: 45° Degrees East North West South of West
Depth To Groundwater:  (Vertical distance from 50 feet (10 points) contaminants to seasonal Greater than 100 feet (0 points) tigh water elevation of groundwater)
Distance to an Ephemeral Stream (Downgradient dry wash greater than (Downgradient dry wash greater than (Downgradient dry wash greater than (O points)  (O points)
Distance to Nearest Lake, Playa, or Watering Pond Less than 100 feet (10 points) (10 point
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or: less than 1000 feet from all other water sources)  Yes (20 points) No (0 points)
Distance To SurfaceWater:  (Horizontal distance to perennial 100 feet to 1000 feet 100 points)  lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)  Less than 100 feet (10 points)  Greater than 1000 feet (0 points)
PANKING SCORE (TOTAL POINTS). 10

Date Remediation Started: $\frac{7/2/96}{}$ Date Completed: $\frac{8/5/96}{}$
/ 20
Remediation Method: Excavation X Approx. cubic yards 120 (Check all appropriate sections) Landfarmed X 120
Other
Remediation Location: Onsite Offsite
Final Pit: Sample location <u>East</u> South West Side walls  Closure Sampling: (if multiple samples. North wall and Pitbetten solid rock.  attach sample results and diagram of sample Sample depth  [locations and depths]  Sample date 7/2/96  Sample time 0833
Saraple Results
Soil: Benzene (ppm) 0.00/3 Water: Benzene (ppb)
Total BTEX (ppm) O.O III Toluene (ppb)
Field Headspace (ppm) Ethylbenzene (ppb)
TPH 8015 (ppm) <u>45.0</u> Total Xylenes (ppb)
Groundwater Sample: Yes No (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 7/2/96 PRINTED NAME RONALD DESTRICK SIGNATURE ROMAND 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 NO (REASON)

Jicarilla E-11 Sec. 22 T26N R4W Unit C Conoce







LAB: (505) 325-1556

#### Diesel Range Organics

Attn:

Denver Bearden

Date:

8-Jul-96

Company: PNM Gas Services

COC No.:

4782

Address:

Sample No.

11407

City, State: Farmington, NM 87401

603 W. Elm

Job No.

2-1000

Project Name:

PNM Gas Services - Jicarilla E-11

**Project Location:** 

9607020833; 3pt. Composite

2-Jul-96 Time:

8:33

Sampled by:

EP DC Date: Date:

3-Jul-96

Analyzed by: 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.:

0475-QC

#### Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	< 5.0	ppm	2,000	1,915	4.3	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	117	112	(70-130)	3	20%

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

Approved by: Date: 2/3/96

OFF: (505) 325-5667



LAB: (505) 325-1556

#### AROMATIC VOLATILE ORGANICS

Denver Bearden Attn:

Date:

8-Jul-96

Company: PNM Gas Services

COC No.:

4782 11407

Address: 603 W. Elm

City, State: Farmington, NM 87401

Sample No.: Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla E-11

**Project Location:** 

9607020833; 3pt. Composite

Date:

2-Jul-96 Time:

8:33

Sampled by: Analyzed by:

DC

Date: 3-Jul-96

Sample Matrix:

Soil

#### Laboratory Analysis

Component		Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene		1.3	ug/ <b>kg</b>	0.2	ug/kg
Toluene		2.2	ug/ <b>kg</b>	0.2	ug/kg
Ethylbenzene		2.2	ug/kg	0.2	ug/kg
m,p-Xylene		4.4	ug/kg	0.2	ug/ <b>kg</b>
o-Xylene		0.9	ug/kg	0.2	ug/ <b>kg</b>
	TOTAL	11.1	ug/kg		

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

Approved by: \a(\)
Date: \frac{7}{8}/96

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

SUBMIT 1 COPY TO

NATURAL RESOURCE DEPT

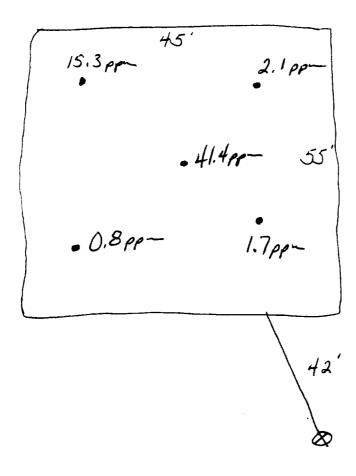
AND OIL & GAS ADMINISTRATION

## **ON-SITE SOIL REMEDIATION REPORT**

Operator: PNM GAS Service	Telephone: 324-3763  ning ton, N Mex. 87401							
Address: 603 W. Elm Farm	rington, N Mex. 87401							
Facility or Well Name: Jicarilla E-11 (Conoco)								
Location: Unit or Qtr/Qtr Sec C Sec 22 T26N R4W County Rio Arriba								
Land Type: Jicarilla Apache								
Date Remediation Started: $\frac{7/2/96}{}$	Date Completed: 8/5/96							
Remediation Method: Landfarmed X	Approx. cubic yards /20							
Composted								
Other								
Depth To Groundwater: (pts.)	Final Closure Sampling:							
Distance to an Ephemeral Stream (pts.)	10 Sampling Date: 7/25/96 Time: 0645							
Distance To SurfaceWater: (pts.)	Sample Results:  Field Headspace (ppm) 4/.4  TPH (ppm) 45.0 Method 8015  Other							
RANKING SCORE (TOTAL POINTS): /O  I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY								
DATE 7/29/96 PRINTED NAME ROUPLETE TO THE BEST OF MY  SIGNATURE Rando A Deduct AND TITLE E.T.								
ACCORDANCE TO THE JICARILLA APACHI	N INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ETRIBE PIT CLOSURE ORDINANCE.							
SIGNED: Dobuel Julia	DATE:							

Jicarilla E-11 Sec. 22 T26N R4W Unit C Conoco

LANd FARM



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OFF: (505) 325-5667



LAB: (505) 325-1556

#### Diesel Range Organics

Attn:

Denver Bearden

Date:

29-Jul-96

Company: PNM Gas Services

COC No.:

4806

Address:

603 W. Elm

Sample No.

11612

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Jicarilla E-11 Landfarm Run 12-51

Project Location:

9607250645; 5pt. Composite RB

Date:

25-Jul-96 Time:

6:45

Sampled by: Analyzed by:

DC

26-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	1,977	1.1	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	109	99	(70-130)	7	20%

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

Approved by: Date: 7/29/96