Denny & Fourt DEPUTY OIL & GAS INSPECTOR

OCT 1 9 1996

irrigation canals and diches)

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

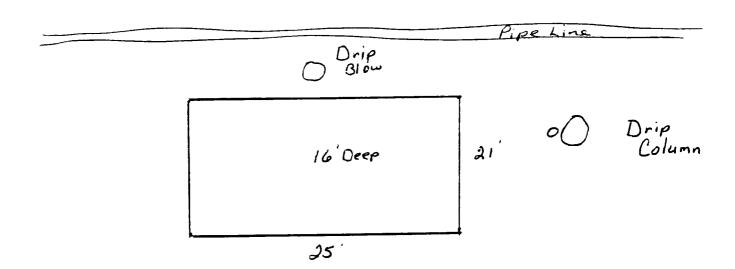
DEMEDIATION AND CLOSURE REPORT

PITREME	EDIATION AND CLOSURE REPORT	OIL COM. DIV. DIST. 3
Operator: PNM GAS Serv	Telephone: 324-	<u>376</u> 3 17401
Facility or Well Name: Ticanilla	A-15 Drip (Williams)	
Location: Unit or Qtr/Qtr Sec Sec_	14 THR 4 W County Rio Arri	ba
Pit Type: Separator Dehydrator	Other Drip	
Land Type: Jikanilla A pas		
	length <u>25</u> , width <u>21</u> , depth , other <u>Drip Column</u>	1_/6'
	ce: Due Degrees East North West South	
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet (20 po 50 feet to 99 feet (10 poir Greater than 100 feet (0 po	nts) <u> </u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet (10) Greater than 100 feet (0)	points) <u> </u>
Distance to Nearest Lake, Playa; or Wal (Downgradient lakes, playas and livestock or wildlife watering ponds)	tering Pond Less than 100 feet Greater than 100 feet (0 p	(10 points) points)
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 pcir No (0 point	s) <u>&</u>
Distance To SurfaceWater: (Horizontal distance to perennial		points) points) points)

RANKING SCORE (TOTAL POINTS):

-//	
Date Remediation States.	Date Completed:
Remediation Method: Excavation	Approx. cubic yards 300 ydr.
(Check all appropriate sections) Landfarmed	Arnt. Landfarmed (Id3) 300
Other	
Remediation Location: Onsite Offsite	LAndfarm
(i.e. landfarmed onsite, name and location of	Ranch N. Mex
offsite facility)	1 . 1 . 1 . 1
General Description of Remedial Action: Remove	d contaminated soil
bottom of pit was a hand she	WITH AIGH ON SALESTONE
Groundwater Encountered: No Yes	Depth
Final Pit: Sample location North Ens	South was side
(if multiple samples. WALLS Had BOLTO	m of P.7-
attach sample results and diagram of sample Sample depth	
locations and depths) Sample date 5/31/96	Sample time 1/55
Saraple Results	
· ·	Water: Benzene (ppb)
Total BTEX (ppm) 28.14	2mg/kg Toluene (ppb)
Field Headspace (ppm)	Ethylbenzene (ppb)
TPH 8015 (ppm) (5.0m	g/kg Total Xylenes (ppb)
Groundwater Sample: Yes No (If	yes, attach sample results)
	BOVE IS TRUE AND COMPLETE TO THE BEST OF MY
KNOWLEGE AND BELIEF	BOYE 13 TROUMED COMEDUTE TO THE COME
Interest Market	Ronald A Dodrick
DATE 6/4/96 PRINTED NAME	Ronald A. Dedrick E.T.
	TION, PIT CLOSURE IS APPROVED IN ACCORDANCE
AFTER REVIEW OF THE PIT CLOSURE INFORMA THE JICARILLA APACHE TRIBE PIT CLOSURE O	RDINANCE.
100 × 100 ×	
APPROVED: YES NO REASON) SIGNED TO Manual DATE: _6-	
SIGNED TEST Name DATE: 6-	5-76

Jicarilla A-15 Drip Williams Sec. 14 T26N R4W





LAB: (505) 325-5667

Diesel Range Organics

Attn:

Denver Bearden

Date:

4-Jun-96

Company: PNM Gas Services

COC No.:

4674

Address:

603 W. Elm

Sample No.

11038

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Jicarilla A-15 Drip

Project Location: Sampled by:

9605311155; West Wall RD

Date:

31-May-96 Time:

11:55

Analyzed by:

HR

Date:

3-Jun-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.:

0475-QC

Calibration Check

00.000						
	Method	Unit of	True	Analyzed		
Parameter	Blank	Measure	Value	Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,840	8.0	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	97	99	(70-130)	2	20%

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



LAB: (505) 325-5667

Diesel Range Organics

Attn:

Denver Bearden

Date:

4-Jun-96

Company: PNM Gas Services

COC No.:

4674

Address:

Sample No.

11039

City, State: Farmington, NM 87401

603 W. Elm

Job No.

2-1000

PNM Gas Services - Jicarilla A-15 Drip

Project Name: **Project Location:**

9605311157; South Wall

31-May-96 Time:

11:57

Sampled by:

RD HR Date: Date:

3-Jun-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

Peremeter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	2,000	1,840	8.0	15%

Matrix Snike

Maurx Spike					
	1- Percent	2 - Percent	1		
Parameter	Recovered	Recovered	Limit	%RSD	Limit
					000/
Diesel Range (C10-C28)	97	99	(70-130)	2	20%

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

Approved by: Date: 6/4/56



LAB: (505) 325-5667

Diesel Range Organics

Attn: Denver Bearden

OFF: (505) 325-8786

Date:

4-Jun-96

Company: PNM Gas Services

COC No.:

4674

Address:

Sample No.

11040

City, State: Farmington, NM 87401

603 W. Elm

Job No.

2-1000

Project Name:

PNM Gas Services - Jicarilla A-15 Drip

Project Location:

9605311200; East Wall

Sampled by:

RD

Date:

31-May-96 Time:

12:00

Analyzed by:

HR

Date:

3-Jun-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.:

0475-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	pp m	2,000	1,840	8.0	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	97	99	(70-130)	2	20%

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

Approved by:



LAB: (505) 325-5667

Diesel Range Organics

Attn:

Denver Bearden

Date:

4-Jun-96

Company: PNM Gas Services

COC No.:

4674

Address:

Sample No.

11042

603 W. Elm

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Jicarilla A-15 Drip

Project Location:

9605311209; North Wall

Date:

31-May-96 Time:

12:09

Sampled by: Analyzed by: RD HR

Date:

3-Jun-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.:

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	1,840	8.0	15%

Matrix Spike

1- Percent	2 - Percent			
Recovered	Recovered	Limit	%RSD	Limit
97	99	(70-130)	2	20%
	Recovered	1- Percent 2 - Percent Recovered Recovered	1- Percent 2 - Percent Recovered Limit	1- Percent 2 - Percent Recovered Limit %RSD

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

Approved by: Date: 6/4/96



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

4-Jun-96

Company: PNM Gas Services

COC No.:

4674

Address:

Sample No.:

11042

City, State: Farmington, NM 87401

603 W. Elm

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla A-15 Drip

Project Location:

9605311209; North Wall

31-May-96 Time:

12:09

Sampled by: Analyzed by: RD DC Date: Date:

3-Jun-96

Sample Matrix:

Soil

Laboratory Analysis

Component		Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene		0.3	ug/ kg	0.2	ug/ kg
Toluene		15.2	ug/ kg	0.2	ug/ kg
Ethylbenzene		21.2	ug/ kg	0.2	ug/ kg
m,p-Xylene		5.7	ug/ kg	0.2	ug/ kg
o-Xylene		11.6	ug/ kg	0.2	ug/ kg
	TOTAL	54.1	ug/kg		

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

Approved by:



LAB: (505) 325-5667

Diesel Range Organics

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

603 W. Elm

City, State: Farmington, NM 87401

Date:

4-Jun-96

COC No.:

4674

Sample No. Job No.

11041 2-1000

Project Name:

PNM Gas Services - Jicarilla A-15 Drip

Project Location:

RD

9605311205; Bottom of Pit Date:

31-May-96 Time:

12:05

Sampled by: Analyzed by:

HR

Date:

3-Jun-96

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Rosuit	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	1,840	8.0	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Diesel Range (C10-C28)	97	99	(70-130)	2	20%

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

Approved by:

Date:



LAB: (505) 325-5667

AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

4-Jun-96

Company: PNM Gas Services

COC No.:

4674

Address:

603 W. Elm

Sample No.

11041

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Jicarilla A-15 Drip

Project Location: Sampled by:

9605311205; Bottom of Pit RD

Date:

31-May-96 Time:

12:05

Analyzed by:

DC

Date:

3-Jun-96

Sample Matrix:

Soil

Aromatic Volatile Organics

Component		Result	Units of Measure	Detection Limit	Units of Measure
Benzene		1066.6	ug/ kg	0.2	ug/kg
Toluene		13926.0	ug/ kg	0.2	ug/ kg
Ethylbenzene		1156.6	ug/ kg	0.2	ug/ kg
m,p-Xylene		10300.6	ug/kg	0.2	ug/kg
o-Xylene		1712.4	ug/ kg	0.2	ug/ kg
	TOTAL	28162.1	ug/ kg		

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

Approved by: