DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

JUN 23 1998

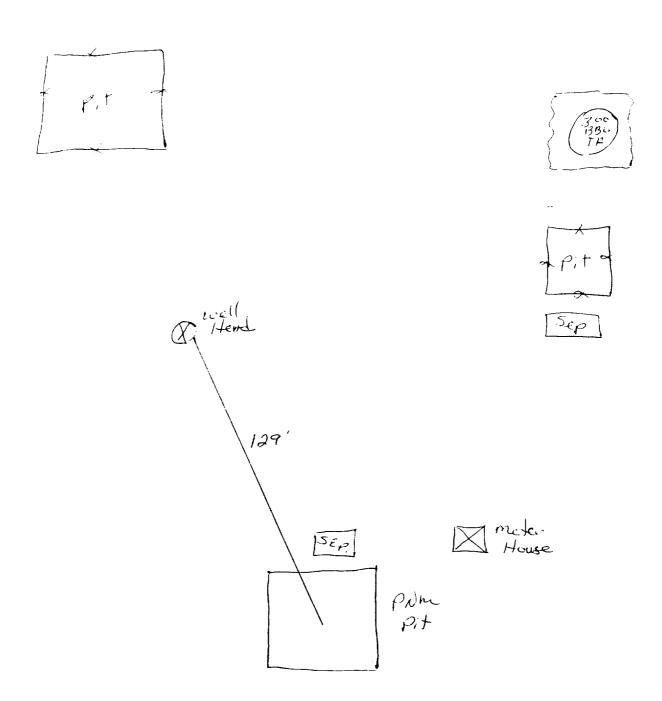
P.O. BOX 507 **DULCE, NEW MEXICO 87528** SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

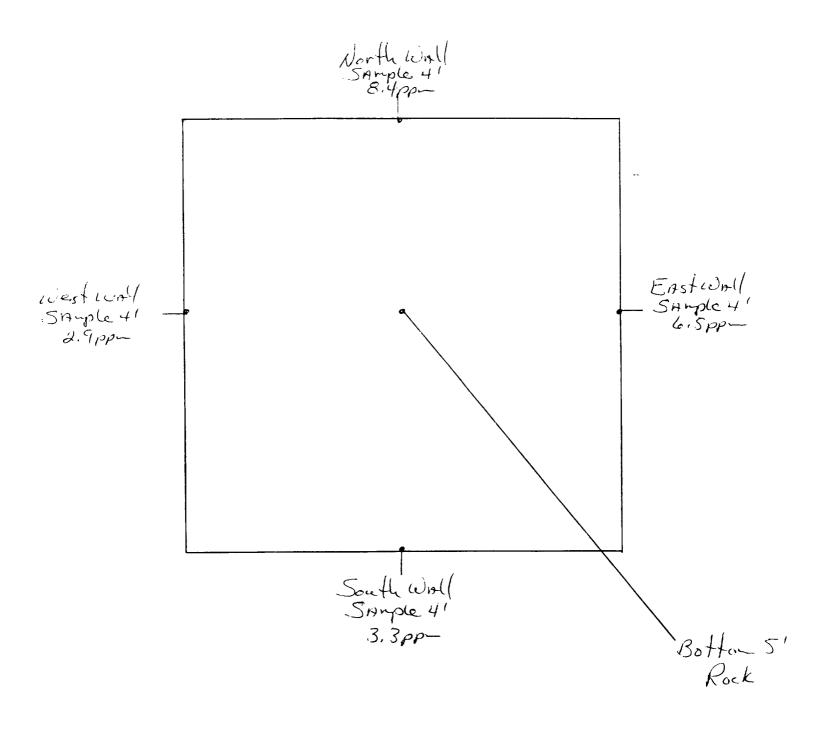
PIT REMEDIATION AND CLOSURE REPORT

·	
Operator: PNM Gas Services (17 m	<u> </u>
Address: 603 W. Elm Street Farmington, NM 8	7401
Facility or Well Name: Jichnilla C	antract 147-6E
Location: Unit: Sec. 6	T. 2.5 N R. 5 W County Rio Arriba
Pit Type: Separator X Dehydrator	Other
Land Type:	
Pit Location: Pit dimensions: length	24 width 21 depth 5
(Attach diagram) Reference: wellhea	ad χ other
Footage from reference:	129'
Direction from reference:	7 C Degrees East North
	West South
Donth to Cround Water	
Depth to Ground Water: (Vertical distance from contaminants [Vertical distance from contaminants]	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
to seasonal high water elevation of ground water)	Greater than 100 feet (0 points)
Wellhead Protection Area: FEB - 3 1998	Yes (20 points) No (0 points)
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)	
Distance to Surface Water:	Less than 200 feet (20 points)
(Honzontal distance to perennial lakes, ponds, rivers, streams,	200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)
creeks, rrigation canals and ditches)	(v 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)	Greater than 100 feet (0 points)
Distance to Nearest Lake, Playa, or Watering	Less than or equal to 100 feet (10 points)
Pond: (Horizontal distance to all downgradient	Greater than 100 feet (0 points)
lakes, playas, and livestock or wildlife water ponds)	
	RANKING SCORE (TOTAL POINTS):

Date Remediation Started	: <u>9/18/97</u>	Date Completed:
Remediation Method:	Excavation X	Approx. Cubic Yards93
(Check all appropriate	Landfarmed X	Amount Landfarmed (cubic yds): 93
sections)	Other	
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite X	Offsite
General Description of R Removed co 19.5 to get Botton is		I from All four side wolls head space reading.
Ground Water Town	rode No V	_
Ground Water Encounter		Depth
Final Pit Closure Sampling:	Sample Location North	East, South, and West
(if multiple samples, attach sample result and diagram of	Sample depth 2//	
sample locations and depths.)	-/	Sample time //35
	enzene (nom)	Materia De
	enzene (ppm) $\mathcal{N}\mathcal{D}$	Water: Benzene (ppb) Toluene (ppb)
	PH ND ppm Method	8015 Total Xylenes (ppb)
Ground Water Sample:	Yes No	(If yes, attach sample results)
I HEREBY CERTIFY THAT KNOWLEDGE AND MY BE	THE INFORMATION ABOVE IS TELEF	TRUE AND COMPLETE TO THE BEST OF MY
DATE $\frac{9/2}{2}$	-/	NTED NAME Ronald A. Dedrick
SIGNATURE Roman	ed A Deduck: AN	D TITLE Environmental Technician II
AFTER REVIEW OF THE TO JICARILLA APACHE 1	PIT CLOSURE INFORMATION, P	PIT CLOSURE IS APPROVED IN ACCORDANCE
APPROVED: YES	NO (REASO	N): Spray adose
SIGNED: Kien	Man DAT	re: 9-30-97

Sec. GT25NRSW Unit N Amoro





OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

24-Sep-97

Company: PNM Gas Services

COC No.:

55**9**1

Address: 603 W. Elm Sample No.:

16253

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-6E

Project Location:

9709181135; 4pt. Composite

Sampled by:

MT

Date: Date: 18-Sep-97 Time:

11:35

Analyzed by: Sample Matrix: DC/HR Soil

22-Sep-97

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.: 0555-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	184	8.5	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	88	87	(70-130)	1	20%

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

Approved by:

Date: 4/24/97





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

25-Sep-97

Company: PNM Gas Services

COC No.:

5591

Address:

603 W. Elm

16253

Sample No.:

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-6E

Project Location:

9709181135; 4pt. Composite ΜT

Date: Date:

18-Sep-97 Time:

11:35

Sampled by: Analyzed by:

HR

19-Sep-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of 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

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. Eim Stre	eet Farmington, NM 87401	
Facility or Well Name:	Jigarilla Contr	nct 147-6E
Location: Unit:	<u>Λ Sec. 6</u> T. <u>a</u>	25 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apac	he	
	9/10/67	Data Completed (12/20/57
Date Remediation Started: Remediation Method: Land	$\frac{9/8/97}{\text{Ifarmed}}$	Approx. cubic yards Date Completed: 10/30/97 Approx. cubic yards
	posted	
Othe	r	
Depth to Ground Water:	(pts.)	Final Closure Sampling:
Distance to an Ephemeral S	tream: (pts.)	Sampling Date: 10/29/97 Time 1001
Distance to Nearest Lake, Pl or Watering Pond:	laya, (pts.)	Sampling Results:
Wellhead Protection Area:	(pts.)	Field Headspace (ppm) 98.6
Distance to Surface Water:	(pts.)	TPH (ppm) <u>/+47</u> Method <u>SØ/5</u>
Ranking Score (Total	Points):	Other
LHERERY CERTIFY THAT THE	INFORMATION ABOVE IS TRUE AND	COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF
/	/	
DATE ////	PRINTED NA	AME Ronald A. Dedrick
SIGNATURE Kane	old A Dedrick ANI	D TITLE Environmental Technician II
AFTER REVIEW OF THE SOIL JICARILLA APACHE TRIBE PIT		TE REMEDIATION APPROVED IN ACCORDANCE TO THE
APPROVED: YES	NO (REASON)	
SIGNED:	Mand DAT	TE:

Sec 6 T25N RSW Unit N LAndfarn Ancoco 83.4pp_ 98.6pp-

75'



OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

31-Oct-97

Company: PNM Gas Services

COC No.:

5627

Address:

Sample No.:

16716

603 W. Elm

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-6E Landfarm

Project Location:

9710291001; 5pt. Composite

Date:

29-Oct-97 Time:

10:01

Sampled by: Analyzed by: RB DC/HR

Date:

30-Oct-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	1447	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-STD

Continuing Calibration Verification

	Method	Unit of	True	Analyzed		RPD
Parameter	Blank	Measure	Value	Value	RPD	Limit
Diesel Range (C10 - C28)	ND	ppm	200	201	0.4	15%

Matrix Spike

	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	80	93	(70-130)	12	20%

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

Approved by: 0/31/97