Denny S. Fourt DEPUTY OIL & GAS INSPECTOR

CTOR JICARILLA APACHE TRIBE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

JUN 23 1998

ENVIRONMENTAL PROTECTION OFFICE

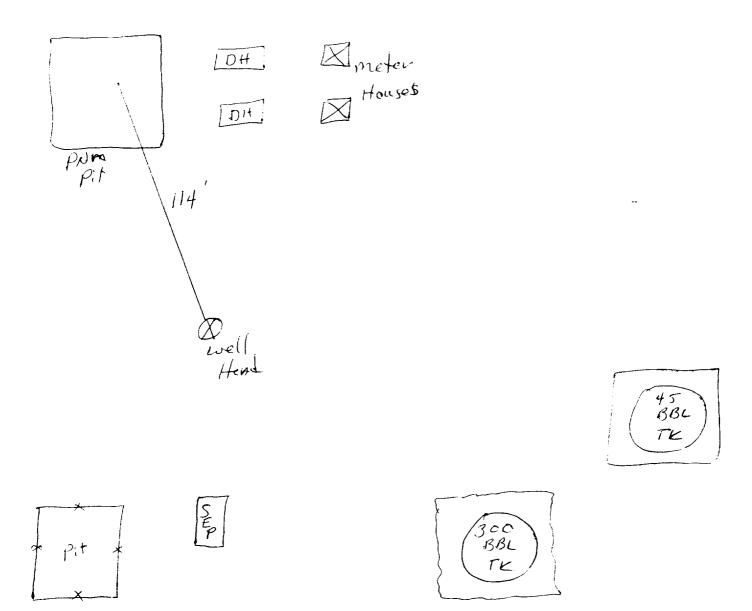
P.O. BOX 507 DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Pmoco	Telephone:	324-3764						
Address:	603 W. Elm Street Farmington, NM 87401								
Facility or We	Facility or Well Name: Jichrilla A-1E								
Location:	Unit: Sec. 18	26 N R. 5 W Coun	ty Rio Arriba						
Pit Type:	Separator Dehydrator	Other							
Land Type:	Jicarilla Apache								
Pit Location:	Pit dimensions: length	$\frac{7}{7}$ width $\frac{2}{6}$	depth //						
(Attach diagra	m) Reference: wellhead	X other							
	Footage from reference: //4	1							
	Direction from reference: 75	Degrees East	North						
		West Lot	South						
Depth to Grou (Vertical distance from o to seasonal high water of ground water)	contaminants elevation of DECETORIES	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)						
Wellhead Pro (Less than 200 feet fror water source, or; less tr other water sources)	n a private domestic UU FEB - 3 1998 U	Yes No	(20 points)						
,	eams,	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points)						
Distance to E (Horizontal distance to streams having a width feet)	all downgradient	ess than or equal to 100 feet. Greater than 100 feet	(10 points) (0 points)						
1	all downgradient	ess than or equal to 100 feet. Greater than 100 feet	(10 points) (0 points)						
	RA	ANKING SCORE (TOTAL PO	DINTS):						

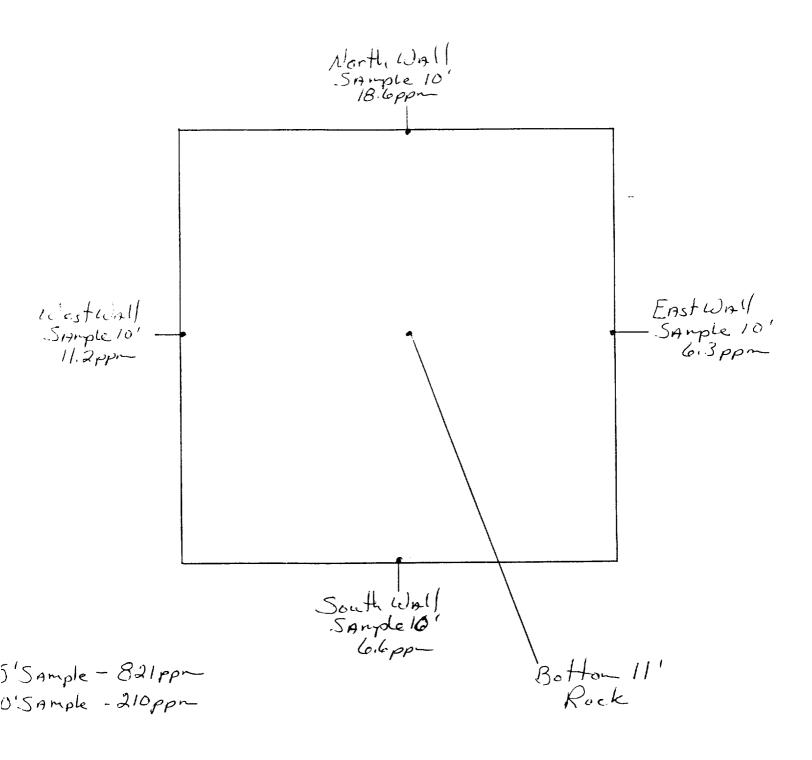
Date Remediation Started	: <u>9/10/97</u> Date Co	mpleted: 11/20/97
Remediation Method:	Excavation X Approx. 0	Cubic Yards
(Check att	Landfarmed X Amount L	andfarmed (cubic yds): 286
sections)	Other	
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	
1	ontiaminated soil fir	on All four side
Ground Water Encounte	red: No <u>×</u> Yes	Depth
Final Pit Closure Sampling:	Sample Location North Fast	, South med west
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth / / /	Sample time /147
s	Sample Results	
Soil: E	Benzene (ppm) W	/ater: Benzene (ppb)
٦	Total BTEX (ppm // D	Toluene (ppb)
i	Field headspace (ppm) 186	Ethylbenzene (ppb) Total Xylenes (ppb)
Ground Water Sample		(If yes, attach sample results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY E	T THE INFORMATION ABOVE IS TRUE AND	COMPLETE TO THE BEST OF MY
DATE: 9/	18/97 PRINTED NAME	E Ronald A. Dedrick
SIGNATURE Rom	ald A Diduck AND TITLE	Environmental Technician II
	E PIT CLOSURE INFORMATION, PIT CLOSUI TRIBE PIT CLOSURE ORDINANCE.	RE IS APPROVED IN ACCORDANCE
APPROVED: YES	× NO (REASON):	
SIGNED:	me DATE: 9	7-30-97

Jichnilla 17-16 Sec. 18 Tabb RSW Unit G Amoco



JICATULA H-IL Sec. 18 T26N R5W Unit G HMOCO

27x26x11





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: Denver Bearden Date: 18-Sep-97

Company: PNM Gas Services

COC No.:

5586

Address: 603 W. Elm

Sample No.:

16148

City, State: Farmington, NM 87401

2-1000

Job No.:

Project Name:

PNM Gas Services - Jicarilla A-1E

Project Location:

9709101149; 4pt. Composite

10-Sep-97 Time:

11:49

Sampled by: Analyzed by: MT DC/HR Date: Date:

17-Sep-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	8	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-STD

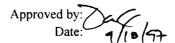
Continuing Calibration Verification

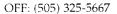
Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	177	12.5	15%

Matrix Spike

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

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







LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

17-Sep-97

Company: PNM Gas Services

COC No.:

5586

Address:

603 W. Elm

Sample No.:

16148

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla A-1E

Project Location:

9709101149; 4pt. Composite

Sampled by: Analyzed by:

MT DC Date: Date:

11-Sep-97

10-Sep-97 Time:

11:49

Sample Matrix:

Soil

Laboratory Analysis

	<u>.</u>	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	1	

ND - Not Detected at Limit of Quantitation

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

P.O. BOX 2606 • FARMINGTON, NM 87499

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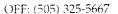
JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (/ʔ/12/05)	Telephone: 324-3764							
Address: 603 W. Elm Street Farmington, NM 87401								
Facility or Well Name: Sign rilla A IE								
Location: Unit: — Sec. /E T. 2	24- N R. 5 W County Rio Arriba							
Land Type: Jicarilla Apache								
Date Remediation Started:	Date Completed: 16/9/97 Approx. cubic yards 284-							
Depth to Ground Water: (pts.)	Final Closure Sampling:							
Distance to an Ephemeral Stream: (pts.)	Sampling Date: <u>/0/9/97</u> Time <u>0825</u>							
Distance to Nearest Lake, Playa, (pts.) or Watering Pond:	Sampling Results:							
Wellhead Protection Area: (pts.)	Field Headspace (ppm) 34,3 TPH (ppm) 93 Method							
Distance to Surface Water: (pts.)	TPH (ppm) 93 Method 600							
Ranking Score (Total Points):								
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND (COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF							
DATE 10/11/97 PRINTED NA	ME Ronald A. Dedrick							
SIGNATURE Ranaled 17. Deduck AND	TITLE Environmental Technician II							
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SIT JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	E REMEDIATION APPROVED IN ACCORDANCE TO THE							
APPROVED: YES NO	use as Bookfill							
SIGNED: Lew Manuel DAT	E: 10-14-9")							

Sicanilla H-1E Sec 18 T26N R5W UnitG Land farm Amoco 27.7pp-17.0 pp-60' 21

60'





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

10-Oct-97

Company: PNM Gas Services

COC No.:

5801

Address:

603 W. Elm

Sample No.:

16548

City, State: Farmington, NM 87401

Job No.:

2-1000

PNM Gas Services - Jicarilla A-1E Landfarm

Project Name: **Project Location:**

9710090825; 5pt. Composite

Date:

9-Oct-97 Time:

8:25

Sampled by: Analyzed by: RB DC/HR

Date:

9-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)	93	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

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DRO QC No.: 0555-STD

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Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	202	1.0	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	103	104	(70-130)	1	20%

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

Approved by:

Date: (0/10/17)