DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

MAR 2 8 1997

ENVIRONMENTAL PROTECTION OFFICE

Approval

P.O. BOX 507 DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Amoco) Telephone: 324	-3764
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Jicanilla Apache 102-8A	
Location: Unit: A Sec. 3 T. 26 N R. 4 W County F	Rio Arriba
Pit Type: Separator Dehydrator X Other	
Land Type:	
Pit Location: Pit dimensions: length 34 width 27 de	pth <u>/2</u>
(Attach diagram) Reference: wellhead X other	
Footage from reference: 66	
Direction from reference: Straight Degrees East Nor	th X
of West Sou	uth
	/20 coints)
Depth to Ground Water: (Vertical distance from contaminants Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)
ground water)	(20 points)
Wellhead Protection Area: (Less then 200 feet from a private domestic JAN 2 4 1997	(0 points)
water source, or; less than 1,000 feet from all other water sources)	(00 mainte)
Distance to Surface Water: (Horizontal distance to permission of permission of the	(20 points) (10 points) (0 points)
lakes, ponds, rivers, streams, creeks, impation canals and disches)	
Distance to Ephemeral Stream (dry wash): Less than or equal to 100 feet Greater than 100 feet	(10 points)
streams having a width of at least 10 feet)	(10 points)
Distance to Nearest Lake, Playa, or Watering Greater than 100 feet Pond:	(0 points)
(Horizontal distance to all downgradient lakes, playas, and investock or wildlife water conds)	
RANKING SCORE (TOTAL POINT	rs): <u>/o</u>

Date Remediation Started	: 8/19/96	Date Completed: $9/25/96$	
Remediation Method:	Excavation X	Approx. Cubic Yards	
(Check ail appropriate	Landfarmed X	Amount Landfarmed (cubic yds): 408	3
sections)	Other		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite X	Offsite	
Removed C walls As	ontaminated so	il from All foun ow 100 ppm head t was solid sand sto	side space ne
Ground Water Encount	ered: No Yes	Depth	
Final Pit Closure Sampling:	Sample Location North West	n, East, South And	
(if multiple samples, attach sample result and diagram of	Sample depth //		
sample locations and depths.)		6 Sample time 1540	
Soil:	Sample Results Benzene (ppm) < 0,000,2	Water: Benzene (ppb)	
	Total BTEX (ppm 0.0015	Toluene (ppb)	
	Field headspace (ppm) 5,	9 Ethylbenzene (ppb)	
	TPH <5,0 ppm Method	8015 Total Xylenes (ppb)	
Ground Water Samp	ie: Yes No	(If yes, attach sample results)	
I HEREBY CERTIFY TH KNOWLEDGE AND MY		TRUE AND COMPLETE TO THE BEST OF M	MY
DATE 8	1 . 1 -	NTED NAME Ronald A. Dedrick	
SIGNATURE Ha	nald A Deducta AM	ND TITLE Environmental Technician II	
	HE PIT CLOSURE INFORMATION, E TRIBE PIT CLOSURE ORDINANO	PIT CLOSURE IS APPROVED IN ACCORDA	NCE
APPROVED: YES	NO (REASO	ON): spray u/Fortilicen a	close
SIGNED:	Manuel DA	ATE: 8-26-94	

Sec. 3 T26N R4W Unit-A Amoco PNM Pit

OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn:

Denver Bearden

Company: PNM Gas Services

Address: 603 W. Elm

City, State: Farmington, NM 87401

Date:

23-Aug-96

COC No.:

4855

Sample No.

11865

Job No.

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-8A Run 12-11

Project Location:

9608191540; 4pt. Composite EP

Date: Date: 19-Aug-96 Time:

22-Aug-96

15:40

Sampled by: Analyzed by: Sample Matrix:

DC/BV 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.:

0489-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	< 5.0	ppm	100	104	3.9	15%

Matrix Spike

Parameter	1- Percent 2 - Percent Recovered 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:

P.O. BOX 2606 • FARMINGTON, NM 87499

OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:

Denver Bearden

Date:

23-Aug-96

Company: PNM Gas Services

COC No.:

4855

Address:

11865

603 W. Elm

Sample No.:

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-8A Run 12-11

Project Location:

9608191540; 4pt. Composite

19-Aug-96 Time:

15:40

Sampled by: Analyzed by: EP DC/BV Date: Date:

22-Aug-96

Sample Matrix:

Soil

Laboratory Analysis

			Unit of	Detection	Unit of	
Parameter		Result	Measure	Limit	Measure	
Benzene		<0.2	ug/kg	0.2	ug/kg	
Toluene		0.7	ug/kg	0.2	ug/kg	
Ethylbenzene		<0.2	ug/kg	0.2	ug/kg	
m,p-Xylene		0.8	ug/kg	0.2	ug/kg	
o-Xylene		<0.2	ug/kg	0.2	ug/kg	
	TOTAL	1.5	ug/ k g]		

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

Approved by: Date: 8/23/96

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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	(Amoco)	Telephone:	324-3764			
Address: 60	3 W. Elm Street Farmingto	n, NM 87401					
Facility or Well	Name: JICAY	Illa Apache	102-8	S A			
Location:	Unit:	Sec T	26 N R.	4- W County Rio Arriba			
Land Type: J	icarilla Apacne						
Date Remediation Remediation Meth		7/96 <u>></u>	D ate Comple Approx. cubic y				
Depth to Ground	i Water:	(pts.)		Final Closure Sampling:			
	phemeral Stream:	(pts.) / O	Sampling	Date: 9/24/96 Time 1234			
Distance to Near or Watering Pon	rest Lake, Playa, id:	(pts.)	Sampling	Results:			
Wellhead Protec	ction Area:	(pts.)	Field He	eadspace (ppm) $\frac{4.8}{5.0}$ Method 80.15			
Distance to Surf	face Water:	(pts.)	Other	(bbiii) 70.0 menod (v5.4.7			
Ranking Sco	ore (Total Points)	: 10					
DATE SIGNATURE THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF PRINTED NAME Ronald A. Dedrick AND TITLE Environmental Technician II							
AFTER REVIEW	OF THE SOIL REMEDIATI CHE TRIBE PIT CLOSURE	ON INFORMATION, ON-SI ORDINANCE	TE REMEDIATION	N APPROVED IN ACCORDANCE TO THE			
APPROVED: Y	es <u> </u>	(REASON)					
SIGNED:	tow Ma	DA DA	TE: <u>9-3</u>	0-96			

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LALD FA.

3.7pp- C.Cpp0.5pp4.5pp-

OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn: Denver Bearden Date:

26-Sep-96

Company: PNM Gas Services

COC No.:

5310

Address: 603 W. Elm Sample No.

12284

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-8A Landfarm Run 12-11

Project Location:

9609241234; 5pt. Composite

Sampled by:

RD

Date:

24-Sep-96 Time:

12:34

Analyzed by: Sample Matrix: DC/HR Soil

Date:

25-Sep-96

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.:

0489-QC

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Diesel Range (C10 - C28)	<5.0	ppm	100	101	1.3	15%

Matrix Spike

Parameter	1- Percent Recovered			%RSD	Limit
Diesel Range (C10-C28)	111	95	(70-130)	11	20%

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

Approved by:
Date: 9/26/96

P.O. BOX 2606 • FARMINGTON, NM 87499