JICARILLA APACHE TRIBE

Denny 2 Fourt
DEPUTY OIL & GAS INSPECTOR

ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

OCT 281997

water ponds)

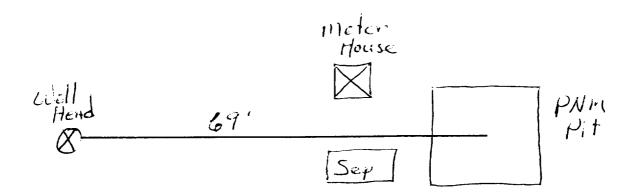
P.O. BOX 507 DULCE, NEW MEXICO 87528

/ PIT REMEDIATION AND	CLOSURE REPORT	
aproved		
Operator: PNM Gas Services (BROG	Telephone:	324-3764
Address: 603 W. Elm Street Farmington, NM 87401		
Facility or Well Name: Arizona Jici	arilla#1	
Location: Unit: F Sec. 35	25N R 4W Cou	nty Rio Arriba
Pit Type: Separator X Dehydrator	Other	
Land Type: Jicarilla Apache		
Pit Location: Pit dimensions: length (Attach diagram) Reference: wellhead Footage from reference: 6 Direction from reference: 5trais	↓ Degrees X East	depth
	of West	South
Depth to Ground Water: (Vertical distance from contaminants to seasonal high water sevation of ground water) Wellhead Protection Area:	Less than 50 feet 50 feet to 99 feet Greater than 100 feet Yes No	(20 points) (10 points) (0 points) (20 points) (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: (Horizontal distance to perennial lakes, ponds, rivers, streems.	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points)
Creeks, strigation canais and discress) Distance to Ephemeral Stream (dry wash): (Horizontal distance to all downgradient streams having a width of at least 10	Less than or equal to 100 feet Greater than 100 feet	(10 points) (0 points)
Distance to Nearest Lake, Playa, or Watering Pond: (Horizontal distance to all downgradient lakes, playas, and investock or wildlife	Less than or equal to 100 feet Greater than 100 feet	(10 points) (0 points)

RANKING SCORE (TOTAL POINTS):

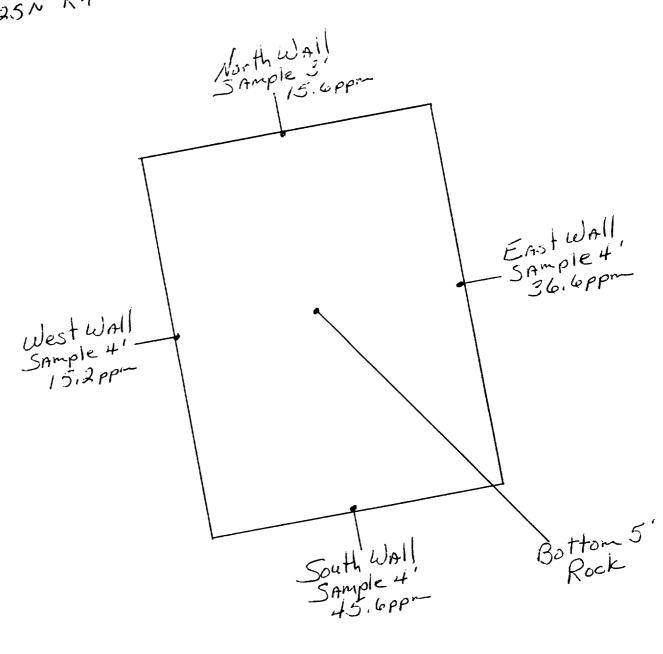
Date Remediation Started	: $\frac{4/21/97}{}$ Date Completed: $\frac{6/3/97}{}$
Remediation Method:	Excavation X Approx. Cubic Yards 46
(Check all appropriate sections)	Cother
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite Offsite
Removed a walls as	contaminated soil from All four side
Ground Water Encount	
Final Pit Closure Sampling:	Sample Location North, East, South and West side walls.
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth $5'$ Sample date $4/21/97$ Sample time 1211
	Sample Results Benzene (ppm) Water: Benzene (ppb)
Soil:	Toluene (pphi)
	Total BTEX (ppm 0.023 4 Field headspace (ppm) 45.6 TPH No ppm Method 8015 Ethylbenzene (ppb)
Ground Water Sam	(If yes, attach sample results)
HEREBY CERTIFY TO KNOWLEDGE AND ME SIGNATURE	HAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY Y BELIEF 13/97 PRINTED NAME Ronald A. Dedrick Mald A. Dudrick AND TITLE Environmental Technician II
AFTER REVIEW OF TO JICARILLA APAC	THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE CHE TRIBE PIT CLOSURE ORDINANCE.
APPROVED: YES	NO (REASON):
SIGNED:	DATE: 5-8-97

. Irizona Jicarilla 11 1 Sec. 35 Tasin R4W Unit F BROG



Arizona Jicarilla #1
Sec 35 T25N RHW Unit F
BRUG

19'X 13X5



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date: 29-Apr-97

Company: PNM Gas Services

5421

Address: 603 W. Elm

COC No.:

City, State Farmington, NM 87401

Sample No.: 14302 Job No.: 2-1000

Project Name:

PNM Gas Services - Arizona Jicarilla #1 Run 12-61

Project Location:

9704211211; 4pt. Composite

Sampled by:

SA

Date: Date: 21-Apr-97 Time:

12:11

Analyzed by: Sample Matrix: HR/DC Soil

28-Apr-97

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Diesel Range Organics (C10 - C28)	ND	mg/kg	5.0	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.:

0519-STD

Continuing Calibration Varification

Method Unit of True Analyzed						
Parameter	Blank	Measure	Value	Value	RPD	Limit
Diesel Range (C10 - C28)	ND	ppm	100	104	4.0	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit	
Diesel Range (C10-C28)	90	94	(70-130)	5	20%	

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

Approved by:
Date:

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Company: PNM Gas Services

Address: 603 W. Elm

City, State Farmington, NM 87401

Date: 28-Apr-97

COC No.:

5421

Sample No.:

14302

Job No.:

2-1000

Project Name:

PNM Gas Services - Arizona Jicarilla #1 Run 12-61

Project Location: Sampled by:

SA

9704211211; 4pt. Composite Date:

21-Apr-97 Time:

12:11

Analyzed by:

DC

Date:

26-Apr-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/kg	1.0	ug/kg
Toluene		ND	ug/kg	1.0	ug/kg
Ethylbenzene		1.5		1.0	ug/kg
m,p-Xylene		3.4	ug/kg	1.0	ug/kg
o-Xylene		18.5	ug/kg	1.0	ug/kg
	TOTAL	23.4	ug/kg		

ND - Not Detected at Limit of Quantitation

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

Approved by: Date: 428/97

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 (BROG) Telephone: 324-3764	
Address: 6	503 W. Eim Street Farmington. NM 87401	_
Facility or We	Il Name: Arizona Jicarilla #1	-
Location:	Unit: F Sec. 35 T. 25 N R. 4 W County Rio Arriba	_
Land Type:	Jicarilla Apache	
Date Remediation Me	4.7	
Depth to Grou		
l .	Ephemeral Stream: (pts.) © Sampling Date: 4/3c/97 Time 170	6
Distance to No or Watering P		1
Wellhead Prof	TDH (npm) Ar D Method &	015
Distance to S	ourface Water: (pts.) Other	
Ranking S	Score (Total Points):	
	RTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELLS 5/3/97 PRINTED NAME Ronald A. Dedrick	EF
DATE SIGNATURE	O COD LA	
SIGNATURE	17 December 17 December 19	
AFTER REVI	EW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE PACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED): YES X NO (REASON)	
SIGNED:	Kow (Manuel DATE: 5-8-97	

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LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

2-May-97

Company: PNM Gas Services

COC No.:

5439

Address:

603 W. Elm

Sample No.:

14416

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Arizona Jicarilla #1 Landfarm Run 12-61 9704301706; 5pt. Composite

Project Location:

Date:

30-Apr-97 Time:

17:06

Sampled by: Analyzed by: RB HR/DC

Date:

1-May-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	ND	mg/kg	5.0	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0519-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	100	95	4.8	15%

Matrix Spike

much opino					
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	86	93	(70-130)	8	20%

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

Approved by: