DEPUTY CLEAR AND A

# JICARILLA APACHE TRIBE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

# FES 2 6 1944 ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507 DULCE, NEW MEXICO 87528

Appovel

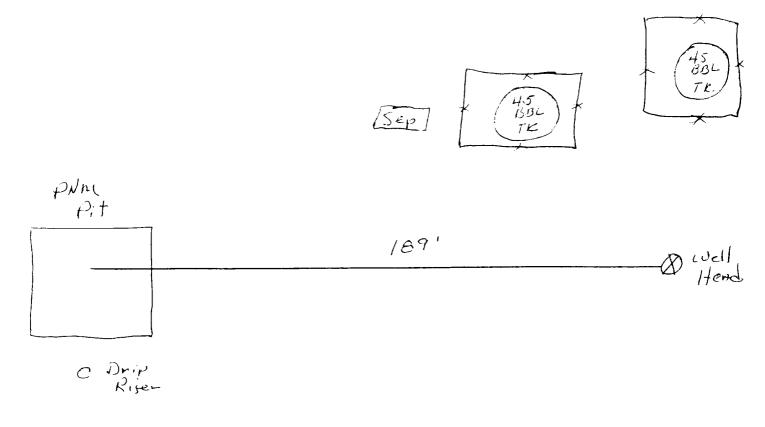
# PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services ( /-) reco	<u>C</u> ) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 8740	1
Facility or Well Name: Jichnilla 17,72	che 102-5H
Location: Unit: P Sec. 4	7. 24 N R. 4 W County Rio Arriba
Pit Type: Separator Dehydrator	Other Line Drip
Land Type:	-
Pit Location: Pit dimensions: length	28 width 26' depth 5'
(Attach diagram) Reference: wellhead	X other
Footage from reference: 18	9
Direction from reference: $5trn$	<del></del>
	of South
Depth to Ground Water:	Less than 50 feet (20 points) 50 feet to 99 feet (10 points)
(Vertical distance from contaminants to seasonal high water elevation of ground water)	Greater than 100 feet ( 0 points)
Wellhead Protection Area:	Yes (20 points) Opoints (20 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: @ [] [] CON DIV	Less than 200 feet (20 points) 200 feet to 1,000 feet (10 points)
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 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)	(0, panie)
Distance to Nearest Lake, Playa, or Watering Pond:	Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points)
(Horizontal distance to all downgradient lakes, playas, and Irvestock or wildlife water ponds)	
ļ ,	RANKING SCORE (TOTAL POINTS):

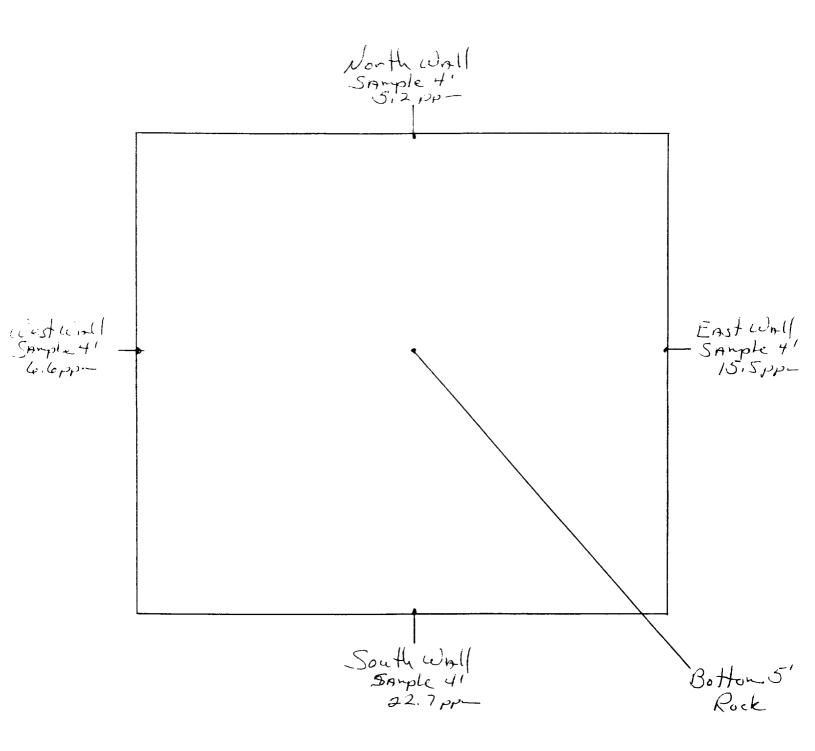
Date Remediation Started	: 7/15/97	Date Completed:	8/28/97
Remediation Method:	Excavation X	_ Approx. Cubic Yards	1.35
(Check all appropriate	Landfarmed	Amount Landfarmed (cubi	c yds):/.3
sections)	Other		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	OnsiteX	Offsite	
1	emedial Action:  nthminated soil  below 100 pp.	from All four head space	
Ground Water Encounte	red: No <u>×</u> Yes	Depth	
Final Pit Closure Sampling:	Sample Location North	Ent South	Had West
(if multiple samples, attach sample result and diagram of	Sample depth		
sample locations and depths.)	Sample date 7/15/9	Z Sample time	1514
	ample Results	Make Beer (	
	denzene (ppm) $\Lambda^{\uparrow}$	Water: Benzene (p	
l	otal BTEX (ppm <u> </u>	Toluene () Ethylbenze	
	ield headspace (ppm) <u>22.7</u>	Total Xvien	
T	PH // ) ppm Method	8015	
Ground Water Sample	: Yes No _	X (If yes, attach	sample results)
I HEREBY CERTIFY THAT KNOWLEDGE AND MY B	T THE INFORMATION ABOVE IS TR	RUE AND COMPLETE TO T	THE BEST OF MY
DATE 7/	0.1/07	FED NAME Ronald A. D	edrick
SIGNATURE Rona	100 D. 0 -V	TITLE Environmental	
	AND	Livionnental	T GOTHICIAN II
	PIT CLOSURE INFORMATION, PIT TRIBE PIT CLOSURE ORDINANCE		IN ACCORDANCE
APPROVED: YES	NO (REASON	): <u>spraya clo</u>	5 C
SIGNED: Kerr	DATE DATE	<u>7-29-99</u>	

Sec. 4 TabN RAW Unit P Amoco

> O Drip Column



28 x 26 x 15 1



OFF: (505) 325-5667



LAB: (505) 325-1556

#### ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

24-Jul-97

Company: PNM Gas Services

COC No.:

5516

Address:

603 W. Elm

Sample No.:

15386

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-5A

Project Location:

9707151514; 4pt. Composite

Date:

15-Jul-97 Time:

23-Jul-97

15:14

Sampled by: Analyzed by: TN DÇ

Date:

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	mg/kg

ND - Not Detected at Limit of Quantitation

# Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND ND	ppm	200	197	1.6	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	89	87	(70-130)	2	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

### ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

24-Jul-97

Company: PNM Gas Services

COC No.:

5516

Address:

603 W. Elm

Sample No.:

15386

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-5A

Project Location:

9707151514; 4pt. Composite TN

Date: Date: 15-Jul-97 Time:

15:14

Sampled by: Analyzed by:

DC

22-Jul-97

Sample Matrix:

Soil

#### Laboratory Analysis

Parameter		°arameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/kg	1	ug/kg		
Toluene		1	ug/kg	1	ug/kg		
Ethylbenzene		2	ug/kg	1	ug/kg		
m,p-Xylene		3	ug/kg	1	ug/kg		
o-Xylene		ND	ug/kg	1	ug/kg		
	TOTAL	7	ug/kg				

ND - Not Detected at Limit of Quantitation

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

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

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

# **ON-SITE SOIL REMEDIATION REPORT**

	A)							
Operator: PNM Gas Services (	Hmoco)	Telephone: 324-3764						
Address: 603 W. Elm Street Farmington. NM 87401								
Facility or Well Name: Sicarilly Hanche 102-5H								
Location: Unit: P Sec. 4 T. 26 N R. 4 W County Rio Arriba								
Land Type: Jicarilla Apache								
Date Remediation Started:	97	Date Completed:						
Remediation Method: Landfarmed X		Approx. cubic yards /35						
Composted								
Donth to Ground Water	(2)							
Depth to Ground Water: Distance to an Ephemeral Stream:	(pts.)	Final Closure Sampling:						
Distance to Nearest Lake, Playa,	(pts.)	Sampling Date: $\frac{7/3//97}{}$ Time $\frac{1/01}{}$						
or Watering Pond:	(pts.)	Sampling Results:						
Wellhead Protection Area:	(pts.)	Field Headspace (ppm) $23.3$						
Distance to Surface Water:	(pts.)	TPH (ppm) $ND$ Method $805$						
Ranking Score (Total Points):	<u> </u>	Other						
I HEREBY CERTIFY THAT THE INFORMATION A	ABOVE IS TRUE AND CO	OMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF						
8/7/97		D 114 D 111						
DATE O() O()	PRINTED NAM	Ronald A. Dedrick						
SIGNATURE Konald H Uc	elick ANDT	ITLE Environmental Technician II						
AFTER REVIEW OF THE SOIL REMEDIATION IN	FORMATION, ON-SITE	REMEDIATION APPROVED IN ACCORDANCE TO THE						
JICARILLA APACHE TRIBE PIT CLOSURE ORDI								
APPROVED: YES NO	(REASON)	use as spartfull						
SIGNED: June Mann	DATE:	8-12-97						

Sec. 4 Tabn RAW Unit P Amoco

Land farm

42'	
	7.5 '
1.0pp-	
23.3pp-	
4	
10.6pp-	120'
2.1 pp-	
:	
17.3pp-	
± .#	

OFF: (505) 325-5667



LAB: (505) 325-1556

#### ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

5-Aug-97

Company: PNM Gas Services

COC No.:

5533

Address:

603 W. Elm

Sample No.:

15546

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-5A Landfarm

**Project Location:** 

9707311101; 5pt. Composite RB

Date:

31-Jul-97 Time:

11:01

Sampled by: Analyzed by:

HR/DC

Date:

4-Aug-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	mg/kg

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	198	0.8	15%

Matrix Snike

matrix Spike					
Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	112	98	(70-130)	7	20%

 $\textbf{Method -}\textit{SW-846 EPA Method 8015A} \;\; \textit{mod. -Nonhalogenated Volatile Hydrocarbons by Gas Chromatography} \\$ 

Approved by: