# Denny S. Fourt DEPUTY OIL & GAS INSPECTOR

## JICARILLA APACHE TRIBE

**ENVIRONMENTAL PROTECTION OFFICE** 

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

P.O. BOX 507

OCT 28 1997

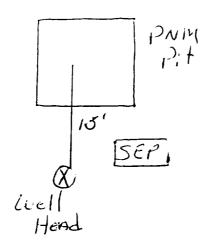
DULCE, NEW MEXICO 87528

1.1816-6	reced			
perator:	PNM Gas Services /	BROG	Telephone	: 324-3764
.ddress:	603 W. Elm Street Farmington.	NM 87401		
acility or We	Il Name: Arizona	Jicaril	In #8	
ocation:	Unit: $\widehat{\mathcal{L}}$ Sec. $\widehat{\mathcal{L}}$	<u>5</u> = <u>25</u>	N R <u>+ W</u>	County Rio Arriba
Pit Type:	Separator Dehyd	rator	Other	<u> </u>
_and Type:	Jicarilla Apache			
Pit Location:	Pit dimensions: lei	ngth /7	' width /5	$^{\prime}$ depth $/\mathcal{E}^{\prime}$
Attach diagra	am) Reference: w	vellhead <u>X</u>	other	
	Footage from reference	15'		
	Direction from reference	=: StrnightDe	egrees East	North X
			West	of South
Depth to Gro	ound Water:		Less than 50 feet 50 feet to 99 feet	(20 points) (10 points)
Vertical distance from o sessonal high willed pround water)		IVEN	Greater than 100 feet	( 0 points)
•	otection Area:	1 1997	Y <b>es</b> No	(20 points) _
water source, or; less other water sources)	man 5 000 feet from all	W. DIV.		
Distance to (Horzontal distance takes, ponds, rivers, creeks, impaton can	o perennial DUE streams.	300 O	Less than 200 feet 200 feet to 1.000 feet Greater than 1.000 feet	(20 points) (10 points) ( 0 points)
-	Ephemeral Stream (dry wash):		han or equal to 100 feet Greater than 100 feet	(10 points) (0 points)
Distance to Pond:	Nearest Lake, Playa, or Waterin	ng iLess t	nan or equal to 100 feet Greater than 100 feet	(10 points) (0 points)

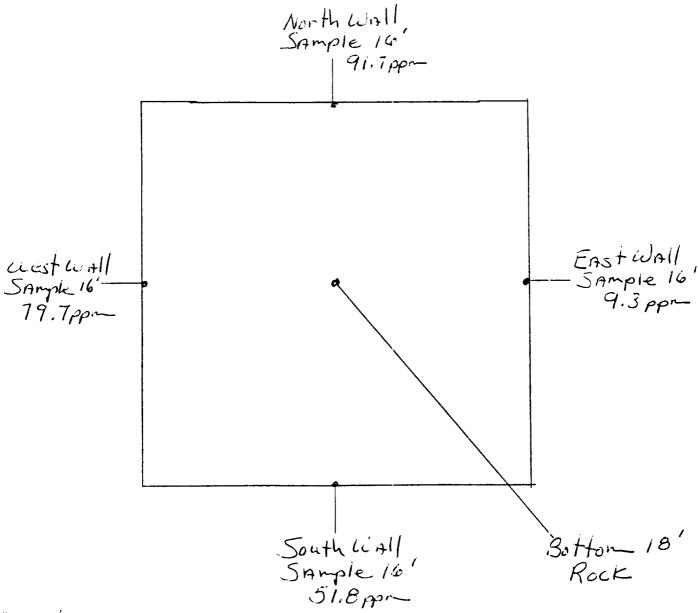
RANKING SCORE (TOTAL POINTS):

Date Remediation Started	: 4/28/97	Date Completed:	6/4/97
Remediation Method:	Excavation	Approx. Cubic Yards	170
(Check all appropriate	Landfarmed /	Amount Landfarmed (cut	oic yds): <u>/70</u>
sections)	Other		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	Offsite	
	to get A halo		rend space
Final Pit Closure	Sample Location Nont		the mad west
Sampling:	Side.	WAILS	
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth $/\sqrt{\omega}$ Sample date $4/28/3$	Sample time	/507
	Sample Results		
Soil:	Benzene (ppm) 0.0648	Water: Benzene	(ppb)
	Total BTEX (ppm / 2566	Toluer.e	(p <b>pb)</b>
	Field headspace (ppm) 97	. 7 Ethylber	nzene (ppb)
	TPH ND ppm Method	8015 Total Xy	ienes (ppb)
- Ground Water Samp		(If yes, atta	ch sample results)
	AT THE INFORMATION ABOVE IS	TRUE AND COMPLETE T	O THE BEST OF MY
KNOWLEDGE AND MY DATE 5/	0/	INTED NAME Ronald A	a. Dedrick
SIGNATURE Ra	1000 M		ntal Technician II
	HE PIT CLOSURE INFORMATION. IE TRIBE PIT CLOSURE ORDINAN		VED IN ACCORDANCE
APPROVED: YES	NO (REAS	SON): SPRAY + C	lose
SIGNED: Yew	CMamill 0	ATE: 5-14-97	

Hazana Jicarilla #8 Sec. 25 T25N R4W Unit D BROG



| Meler | House



5 Sample - 1026 ppm 10 Sample - 888 ppm 15 Sample - 433 ppm 18 Sample - Rock OFF: (505) 325-5667



LAB: (505) 325-1556

#### ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

9-May-97

Company: PNM Gas Services

COC No.:

5431

Address:

603 W. Elm

Sample No.:

14418

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name: Project Location:

9704281507; 4pt. Composite

Sampled by:

SO

Date:

PNM Gas Services - Arizona Jicarilla #8 Run 12-61

28-Apr-97 Time:

15:07

Analyzed by:

HR/DC

Date: 8-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	105	4.8	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	101	102	(70-130)	1	20%

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

Approved by:

OFF: (505) 325-5667



LAB: (505) 325-1556

#### ANALYTICAL REPORT

Attn: Denver Bearden

Date: 9-May-97

Company: *PNM Gas Services* Address: *603 W. Elm* 

COC No.: 5431 Sample No.: 14418

City, State: Farmington, NM 87401

Job No.: 2-1000

Project Name:

PNM Gas Services - Arizona Jicarilla #8 Run 12-61

**Project Location:** 

9704281507; 4pt. Composite

5704 SO

Date: 28-Apr-97 Time:

15:07

Sampled by: Analyzed by:

DC

Date: 7-May-97

Sample Matrix:

Soil

#### Laboratory Analysis

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		64.8	ug/ <b>k</b> g	1.0	ug/kg
Toluene		91.0	ug/kg	1.0	ug/kg
Ethylbenzene		84.7	ug/kg	1.0	ug/ <b>kg</b>
m,p-Xylene		572.1	ug/kg	1.0	ug/kg
o-Xylene		444.1	ug/kg	1.0	ug/kg
	TOTAL	1256.6	ug/kg		

ND - Not Detected at Limit of Quantitation

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

Approved by:
Date:

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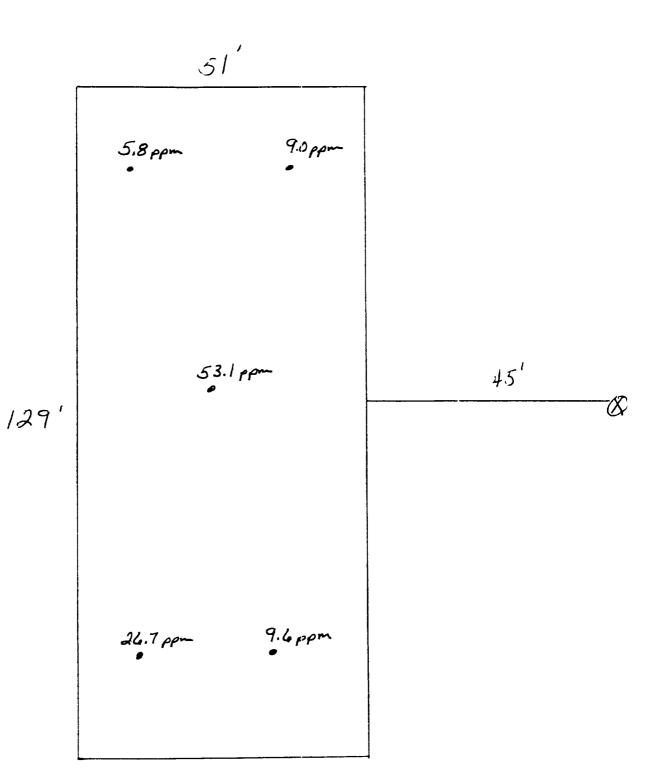
# JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

## **ON-SITE SOIL REMEDIATION REPORT**

Operator: PNM Gas Services 13 ROG	Telephone: 324-3764
Address: 503 W. Elm Street Farmington. NM 87401	
Facility or Well Name: Hrizona Ticari	1/9 #8
Location: Unit: 5 Sec. 25 T.	25 N R. 4 W County Rio Amba
Land Type: Jicanila Apacne	
Date Remodulation Started: 4/26/97	Date Completed: 5/22/97
Remediation Method: Landfarmed X	Approx. cubic yards / 170
Composted Other	
Depth to Ground Water: (pts.)	Final Closure Sampling:
Distance to an Ephemeral Stream: (pts.)	Sampling Date: <u>5/12/97</u> Time <u>1021</u>
Distance to Nearest Lake, Playa, (pts.)	Sampling Results:
Wellhead Protection Area: (pts.)	Field Headspace (ppm) 53,/
Distance to Surface Water: (pts.)	TPH (ppm) $\sqrt{D}$ Method $80/5$
Ranking Score (Total Points):	Other
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE A	NO COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF
DATE 5/22/97 PRINTER	n NAME Ronald A. Dedrick
SIGNATURE Royald A Dehil	AND TITLE Environmental Technician II
signatures & make 17 Dearten	AND THE ENVIRONMENTAL LEGITICIAN II
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. OF JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	N-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE
APPROVED: YES X NO (REASON)	
SIGNED: Lau Comment	DATE: 5-29-97

Flrizona Jicanilla #8 Sec. 25 T25N R4W Unit D BRUG

Land farm





LAB: (505) 325-1556

#### ANALYTICAL REPORT

Attn:

Denver Bearden

Date: 22-May-97

Company: PNM Gas Services

COC No.:

5453

Address:

Sample No.:

14625

603 W. Elm

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Arizona Jicarilla #8 Landfarm Run 12-61

**Project Location:** 

9705121021; 5pt. Composite

Date:

12-May-97 Time:

10:21

Sampled by: Analyzed by: RB HR/DC

Date:

16-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

	Method	Unit of	True	Analyzed		RPD
Parameter	Blank	Measure	Value	Value	RPD	Limit
				ļ		
Diesel Range (C10 - C28)	ND	ppm	100	104	4.2	15%

Matrix Spike

matrix opini	<u> </u>				
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	96	88	(70-130)	9	20%

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

Approved by: Date: 5/21/97