## DEPUTY OIL & GAS INSPECTOR

### JICARILLA APACHE TRIBE

### **ENVIRONMENTAL PROTECTION OFFICE**

FEB 2 S 1997 Light / Except

P.O. BOX 507 DULCE, NEW MEXICO 87528 SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION



## PIT REMEDIATION AND CLOSURE REPORT

							19/38/16 स्तु	į
Operator:	PNN	M Gas Services	17 m	1000		lephone:	324-3764	
•			- NIA C	27401				
Address:	603 W. E	Elm Street Farm	lington. Nivi d	3/401				
Facility or	Well Name	: JICAY	rilla A	priche	102-	1		
Landiam		41	S <b>ec</b> . / <i>O</i>	T. 26 N	R. 4	w Co	unty Rio Arriba	1
Location:	Unit:		sec. <u>70</u>	3011		<del></del>		_
Pit Type:	Sepa	rator <u>X</u>	Dehyarator		Other _			
Land Type	: Jicaril	lla Apache						
		na 7 isaana						
Pit Location	on:	Pit dimensions	: length	24	width	24'	depth 22	2
/Attach dia	arom)	Reference:	weilhe	ead $\lambda$	othe	er		
(Attach dia	igram)	Neierence.	WOM					
		Footage from t	reference:	216				
		Direction from	reference:	75 Deg	rees	East	North	
			-	<del></del>		, <b>*</b>	Courth	
						West	South	
							/20 points)	
Depth to 0	Ground Wa	iter:	·· <u>·</u> ···		Less than 5	60 feet 99 feet	(20 points) (10 points)	A
(Vertical distance	from contaminant			(	Less than 5 50 feet to 9 Greater than 10	99 feet	• •	8
(Vertical distance				(	50 feet to 9	99 feet 90 feet	(10 points) ( 0 points)	8
(Vertical distance to seasonal high ground water)	from contaminant	•		(	50 feet to 9	99 feet 90 feet Yes	(10 points)	8
(Vertical distance to seasonal high ground water)  Wellhead  (Less than 200 fr water source, or:	e from contaminants water elevation of Protection lest from a private of less than 1,000 fe	a Area:		(	50 feet to 9	99 feet 90 feet	(10 points) ( 0 points)	8
(Vertical distance to seasonal high ground water)  Wellhead: (Less then 200 fit water source, or, other water source)	e from contaminants water elevation of Protection leet from a private of ; less than 1,000 ferces)	A A FE 23: domestic set from all		C	50 feet to 9 Greater than 10	99 feet 90 feet Yes No	(10 points) ( 0 points)	8
(Vertical distance to seasonal high ground water)  Wellhead (Less than 200 from water source, or other water sour Distance	e from contaminants water elevation of Protection less from a private of tess than 1,000 ferces)	A A FE 23: domestic set from all			50 feet to 9 Greater than 10 Less than 2 200 feet to 1,0	99 feet 90 feet Yes No 00 feet 00 feet	(10 points) ( 0 points) (20 points) ( 0 points) (20 points) (10 points)	8
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Date Remediation Started: $8/3/96$	Date Completed: -7/5/46
Remediation Method: Excavation	Approx. Cubic Yards 469
(Check all Landfarmed X	Amount Landfarmed (cubic yds): 469
Other	
Remediation Location: Onsite  (i.e., landfarmed onsite, name and location of offsite facility)	Offsite
General Description of Remedial Action:  Removed contaminated soi  Adoit betton is to ges  Spries removed.  Ground Water Encountered: No X Yes	from All four walls  A below 100 pp hend  Depth
Final Pit Closure Sample Location	Enst, South and west
Sampling:  (if multiple samples, attach sample result and diagram of sample locations and Sample date  Sample date  Sample date	$\frac{\omega_{11}}{3}$ $\omega_$
Sample Results	
Soil: Benzene (ppm)	Water: Benzene (ppb)
Total BTEX (ppm	Toluene (ppb)
Field headspace (ppm) 29  TPH <5.3 ppm Method	Ethylbenzene (ppb)  Total Xylenes (ppb)
	(If yes, attach sample results)
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS KNOWLEDGE AND MY BELIEF	TRUE AND COMPLETE TO THE BEST OF MY
C / - / -	INTED NAME Ronald A. Dedrick
SIGNATURE Kanala A Deducto A	ND TITLE Environmental Technician II
AFTER REVIEW OF THE PIT CLOSURE INFORMATION. TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINAN	
APPROVED: YES NO (REAS	SON):
SIGNED: LOW Manuel D.	ATE: 8-19-96

Jicarilla Apache 102-1 Sec. 10 T26N R4W Unit N Amoco Wellhead 216 OFF: (505) 325-5667



LAB: (505) 325-1556

### Diesel Range Organics

Attn:

Denver Bearden

Date:

16-Aug-96

Company: PNM Gas Services

COC No.:

4844

Address:

603 W. Elm

Sample No.

11787

City, State: Farmington, NM 87401

Job No.

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-1 Run 12-51

Project Location:

9608140901; 5pt. Composite

Date: Date:

14-Aug-96 Time:

9:01

Sampled by: Analyzed by:

EΡ DC/HR

16-Aug-96

Sample Matrix:

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	97	2.9	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent 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: Date: 8/16/92

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

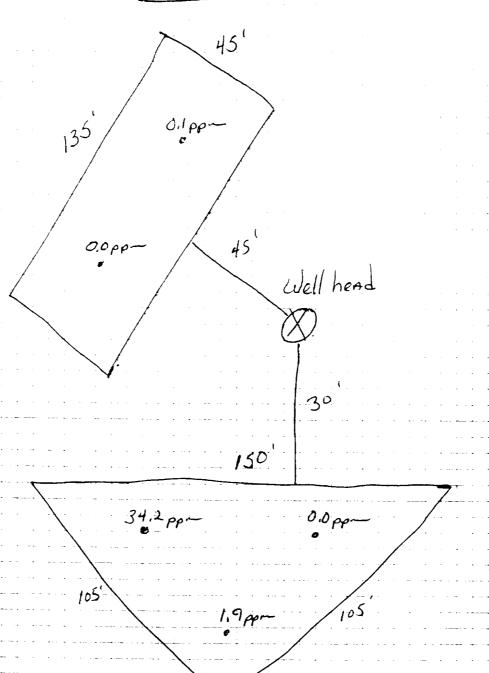
# JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

### ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Amoca)	Telephone: 324-3764						
Address: 503 W. Elm Street Farmington. NM 87401							
Facility or Well Name:	e 102-1						
Location: Unit: N Sec. 10 T. 2	26 N R. 4 W County Rio Arriba						
Land Type: Jicarilla Apache							
Pate Remediation Started: 8/13/96  Remediation Method: Landfarmed X  Composted Other	Date Completed: 9/5/5/6 Approx. cubic yards +69						
Depth to Ground Water: (pts.)	Final Closure Sampling:  Sampling Date: $9/2/96$ Time $1046$						
Distance to Nearest Lake, Playa, (pts.)	Sampling Results:						
Wellhead Protection Area: (pts.)	Field Headspace (ppm) $34.2$ TPH (ppm) $45.0$ Method $80.5$						
Distance to Surface Water:  Ranking Score (Total Points):	Other						
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND	COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF						
DATE 9/7/94 PRINTED NAME Ronald A. Dedrick  SIGNATURE RONALE AND TITLE Environmental Technician II							
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITUATION APACHE TRIBE PIT CLOSURE ORDINANCE  APPROVED: YES NO (REASON)	TE REMEDIATION APPROVED IN ACCORDANCE TO THE						
SIGNED: Jehrol Jul DATE	TE: 9/9/96						

Jicanilla Appache 102-1 Sec 10 T26N RYW UnitN Amoco

Land Farm



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:

7-Sep-96

COC No.:

4871

Sample No.

12028

Job No.

2-1000

Project Name:

PNM Gas Sevices - Jicarilla Apache 102-1 Landfarm Run 12-51

**Project Location:** 

9609031046; 5pt. Composite RB

Date: Date: 3-Sep-96 Time:

10:46

Sampled by: Analyzed by: Sample Matrix:

DC/BV Soil

6-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	110	9.9	15%

### Matrix Snike

matrix Opino			<del></del>			
	1- Percent	2 - Percent				
Parameter	Recovered	Recovered	Limit	%RSD	Limit	
Diesel Range (C10-C28)	104	96	(70-130)	5	20%	

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

Approved by: Date: q/7/94