DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

FEB 26 1998

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507 DULCE, NEW MEXICO 87528

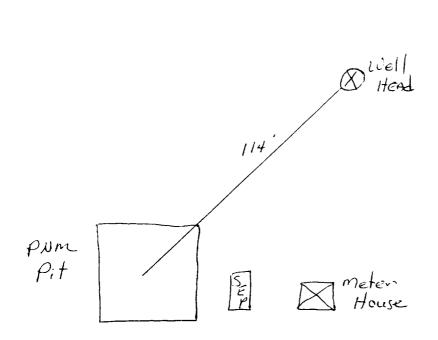
Approved

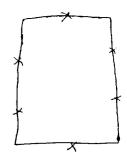
PIT REMEDIATION AND CLOSURE REPORT

	$\overline{}$
Operator: PNM Gas Services (Amaca) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Jicarilla Apache 102-18	
Location: Unit: F Sec. 9 T. 24 N R. 4 W County Rio Arriba	
Pit Type: Separator Other	
Land Type:	
Pit Location: Pit dimensions: length 26 width 32 depth 12	
(Attach diagram) Reference: wellhead X other	_
Footage from reference: //4	
Direction from reference: 45 Degrees East North	
of West ∠South	
Depth to Ground Water: Less than 50 feet (20 points) 50 feet to 99 feet (10 points)	A
(Vertical distance from contaminants to seasonal high water elevation of ground water) Greater than 100 feet (0 points)	<u> </u>
Wellhead Protection Area: Nov - 3 1997 Yes (20 points) No (0 points)	0
(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all	
OUL GOING DUVG	
(Horizontal distance to perennial lakes, ponds, rivers, streams, 200 feet to 1,000 feet (10 points)	0
creeks, irrigation canals and ditches) Distance to Ephemeral Stream (dry wash): Less than or equal to 100 feet (10 points)	Å.
(Horizontal distance to all downgradient streams having a width of at least 10	<u>U</u>
Distance to Nearest Lake, Playa, or Watering Less than or equal to 100 feet (10 points) Greater than 100 feet (2 points)	سور
Pond: (Horizontal distance to all downgradient lakes, playas, and Investock or wildlife water ponds) Greater than 100 feet (0 points) ———————————————————————————————————	<u>O</u>
RANKING SCORE (TOTAL POINTS):	<u> </u>

Date Remediation Started	$= \frac{7/7/97}{}$ Dat	te Completed: 8/27/97
Remediation Method:	Excavation App	rox. Cubic Yards
(Check all appropriate	Landfarmed Amo	ount Landfarmed (cubic yds): 2.54
sections)	Other	
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	OnsiteO	ffsite
	taminated soil from a below 100 pp - he	end space rending.
Ground Water Encounte	ered: No <u>X</u> Yes	Depth
Final Pit Closure Sampling:	Sample Location North, E.	11s South, And West
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth $\frac{11'}{7/7/97}$	Sample time
	Sample Results	
	Benzene (ppm) //D	Water: Benzene (ppb)
	Total BTEX (ppm //D	Toluene (ppb)
	Field headspace(ppm) <u>えの. S</u> FPH <i>N</i> D ppm Method <i>SO</i>	Total Yylonas (nah)
Ground Water Sample		(If yes, attach sample results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY B	AT THE INFORMATION ABOVE IS TRUE	AND COMPLETE TO THE BEST OF MY
DATE	77/97 PRINTED I	NAME Ronald A. Dedrick
SIGNATURE Range	ald Deducto AND TITL	E Environmental Technician II
	E PIT CLOSURE INFORMATION, PIT CLOSURE ORDINANCE.	OSURE IS APPROVED IN ACCORDANCE
APPROVED: YES	NO (REASON): _	spray + close
SIGNED:	C. Manuel DATE:	7-22-97

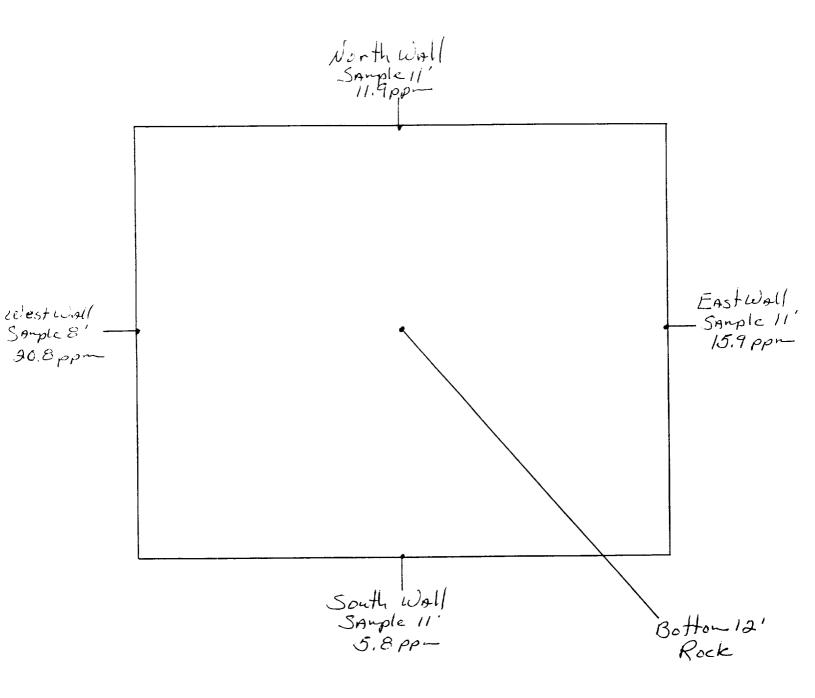
Jicarilla Hpache 102-18 Sec 9 T26N R4W Unit F Hmoco





Jicarilla Hpache 102-10 Sec. 9 T26N R4W UnitF Amoco

26 X 22 X 12



5'Sample - 350ppn-10'Sample - 247ppnOFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

17-Jul-97

Company: PNM Gas Services

COC No.:

5522

Address:

15288

603 W. Elm

Sample No.:

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-18

Project Location:

9707071335; 4pt. Composite

Date:

7-Jul-97 Time:

13:35

Sampled by: Analyzed by: SA DC/HR

Date:

15-Jul-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	182	9.5	15%

Matrix Spike

Parameter	1- Percent Recovered			RPD	RPD Limit
Diesel Range (C10-C28)	83	87	(70-130)	5	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: 17-Jul-97

Company: PNM Gas Services

COC No.:

5522

Address: 603 W. Elm

Sample No.:

15288

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-18

Project Location:

9707071335; 4pt. Composite

Date:

7-Jul-97 Time:

13:35

Sampled by: Analyzed by: SA DC

Date:

16-Jul-97

Sample Matrix:

Soil

Laboratory Analysis

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

ND - Not Detected at Limit of Quantitation

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

Date:

P.O. BOX 2606 • FARMINGTON, NM 87499

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 (170000) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Jicarilla 17 pache 102-18	
Location: Unit: F Sec. 7 T. 26 N R. 4 W County Rio Arrib	oa
Land Type: Jicarilla Apache	
Date Remediation Started: 7/7/97 Date Completed: Remediation Method: Landfarmed × Approx. cubic yards 254 Composted Other	
Depth to Ground Water: (pts.) Final Closure Sampling:	
Distance to an Ephemeral Stream: (pts.) 3 Sampling Date: 7/31/97 Time	0841
Distance to Nearest Lake, Playa, (pts.) Sampling Results:	
Wellhead Protection Area: (pts.)	805
Other	
Ranking Score (Total Points):	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND) BELIEF
DATE 8/7/97 PRINTED NAME Ronald A. Dedrick	
SIGNATURE Rand Producte AND TITLE Environmental Technician II	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	THE
APPROVED: YES X NO (REASON) USE CAS BOOKLILL	
SIGNED: Lew C. Mamble DATE: 8-12-97	

Jicarilla Hpache 102-18 Sec. 9 T26N R4W UnitF Amoco

LAndfarm

lele'

91.6 pp-

80.1pp-

33' Divell

945pp-

75 '

45.2pp-

20.7 pp.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Denver Bearden Attn:

Date:

5-Aug-97

Company: PNM Gas Services

COC No.:

5531

Address:

603 W. Elm

Sample No.:

15540

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-18 Landfarm

Project Location:

9707310841; 5pt. Composite

Sampled by:

RB

Date:

31-Jul-97 Time:

8:41

Analyzed by:

HR/DC

Date:

1-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

	Method	Unit of	True	Analyzed		RPD
Parameter	Blank	Measure	Value	Value	RPD	Limit
Diesel Range (C10 - C28)	ND	ppm	200	204	1.9	15%

Matrix Caika

iviauix Spik	er				
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	83	89	(70-130)	7	20%

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

Approved by: