Denny & Fout DEPUTY OIL & GAS INSPECTOR

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JÍCARILLA 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

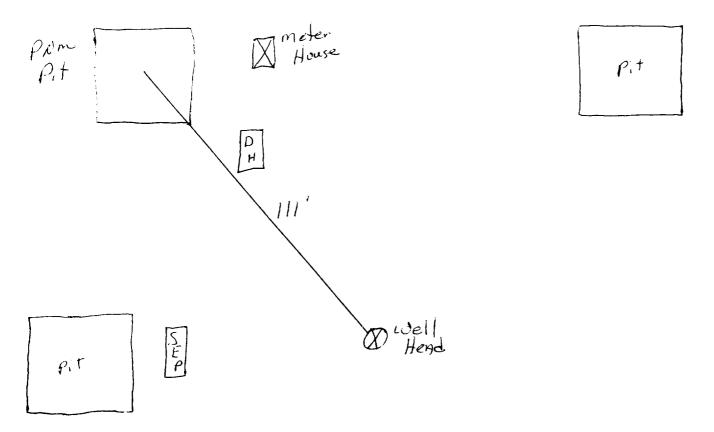
Approved

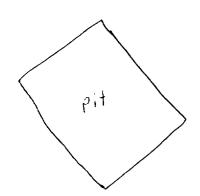
PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Pmac		: 324-3764
Address:	603 W. Elm Street Farmington, NM 8740	1	·
Facility or V	Vell Name: JiCArillA APAC	he 102-15A	·
Location:	Unit: Sec	7. 26 N R. 4 W	County Rio Arriba
Pit Type:	Separator Dehydrator	X Other	
Land Type:	Jicarilla Apache	_	
Pit Location	n: Pit dimensions: length	22' width 20'	depth 💪
(Attach diag	ram) Reference: wellhead	other	
	Footage from reference: ///	, ,	
	Direction from reference: 4.5	Degrees East	North
		West	South
Depth to Gr	ound Water:	Less than 50 feet	(20 points)
(Vertical distance fro to seasonal high wat ground water)	The second of th	50 feet to 99 feet Greater than 100 feet	(10 points) (0 points)
	rotection Area: NOV 3 1007	Yes No	(20 points) (0 points)
	s than 1,000 feet from all		
Distance to (Horizontal distance lakes, ponds, rivers, creeks, irrigation car	streams,	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points)
Distance to (Horizontal distance streams having a wi feet)		Less than or equal to 100 feet Greater than 100 feet	(10 points) (0 points)
Distance to Pond:	Nearest Lake, Playa, or Watering to all downgradient vestock or wildlife	Less than or equal to 100 feet Greater than 100 feet	(10 points) (0 points)
		RANKING SCORE (TOTAL	POINTS):

Date Remediation Started	i: <u>7/8/97</u>	Date Completed: 9/	12/97
Remediation Method:	Excavation X	Approx. Cubic Yards	98
(Check all appropriate	Landfarmed X	Amount Landfarmed (cubic yo	ls): <u>98</u>
sections)	Other		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite X	Offsite	
	contaminated s	100 ppn head	
Ground Water Encounte	ered: No X	Depth	
Final Pit Closure Sampling:	Sample Location North,	East South	14 d West
(if multiple samples, attach sample result and diagram of	Sample depth 5	CC-77-	
sample locations and depths.)	Sample date $\frac{7/6/9}{}$	Sample time	426
	Sample Results		
Soil:	Benzene (ppm)	Water: Benzene (ppb)
	Total BTEX (ppm <u>0.188</u>	Toluene (ppb —	o)
	Field headspace (ppm) 88.	C Ethylbenzene	
	TPH 15 ppm Method	8015 Total Xylenes	(ppb)
Ground Water Sampi	e: Yes No	(If yes, attach sar	mple results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY I	AT THE INFORMATION ABOVE IS T	TRUE AND COMPLETE TO THE	BEST OF MY
DATE	/7/97 PRIN	NTED NAME Ronald A. Dedi	rick
SIGNATURE Kon	ald A Deducto AN	D TITLE Environmental Te	chnician II
	E PIT CLOSURE INFORMATION, F TRIBE PIT CLOSURE ORDINANC		ACCORDANCE
APPROVED: YES	NO (REASO	N): 50RAY + 0/6.	<u> </u>
SIGNED: Kill	C. Man Man DA	TE: <u>7-22-97</u>	

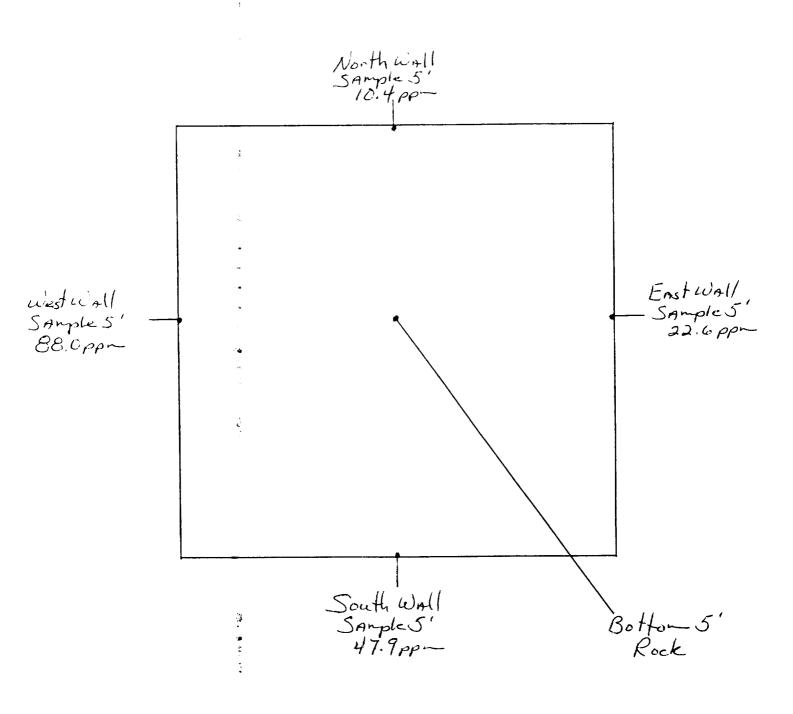
JICANIIIA MPACNE 100-1017 Sec. 9 T26N R4W Unit L Ámoco





Jicarilla Hpache 102-154 Sec. 9 T26N R4W Unit L Amoco

22x20x6'



5'Sample-443pp-





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

17-Jul-97

Company: PNM Gas Services

COC No.:

5513

Address:

Sample No.:

15282

603 W. Elm

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-15A

Project Location:

9707081426; 4pt. Composite

Date:

8-Jul-97 Time:

14:26

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)	15	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

John Marie Committee Commi								
	Method	Unit of	True	Analyzed		RPD		
Parameter	Blank	Measure	Value	Value	RPD	Limit		
Diesel Range (C10 - C28)	ND	ppm	200	182	9.5	15%		

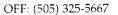
Matrix Spike

IVIALIIA OPIKA								
	1- Percent	2 - Percent	:		RPD			
Parameter	Recovered	Recovered	Limit	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:

P.O. BOX 2606 • FARMINGTON, NM 87499





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

17-Jul-97

Company: PNM Gas Services

COC No.:

5513

Address:

603 W. Elm

Sample No.:

15282

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-15A

Project Location:

9707081426; 4pt. Composite

Date:

8-Jul-97 Time:

14:26

Sampled by: Analyzed by:

SA DC

Date:

16-Jul-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/kg	1	ug/kg
Toluene		33	ug/kg	1	ug/kg
Ethylbenzene		15	ug/kg	1	ug/kg
m,p-Xylene		67	ug/kg	1	ug/kg
o-Xylene		74	ug/kg	1	ug/kg
	TOTAL	188	ug/kg		

ND - Not Detected at Limit of Quantitation

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

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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 (Pmccc)	Telephone: 324-3764				
Address: 603 W. Elm Street Farmington, NM 87401					
Facility or Well Name: Jicarilla Apache	102-15A				
Location: Unit: L Sec. 9 T. c					
Date Remediation Started: 7/8/97 Remediation Method: Landfarmed X Composted Other	Date Completed: 8/15/97 Approx. cubic yards 98				
Depth to Ground Water: (pts.) Distance to an Ephemeral Stream: (pts.) Distance to Nearest Lake, Playa, or Watering Pond: Wellhead Protection Area: (pts.) Distance to Surface Water: (pts.)	Final Closure Sampling: Sampling Date: 17/31/97 Time 0945				
DATE SIGNATURE Control of the section of the se					
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SIT JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE APPROVED: YES NO (REASON) SIGNED: DAT	se as Backfill				

JICATILIA MPACHE 100-1017 Sec. 9 T26NR4W Unit L Amoco

LANdfarm

51 29.3pp-10.1 pp-15,5,4,5-62.1pp-2.1pp-6.4pp.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: Denver Bearden

Date: 18-Aug-97

Company: PNM Gas Services

COC No.:

5545

Address: 603 W. Elm

Sample No.:

15789

City, State: Farmington, NM 87401

Job No.:

lo.: 2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-15A Landfarm

Project Location:

9708141000; 5pt. Composite

Sampled by:

RB

Date:

14-Aug-97 Time:

10:00

Analyzed by:

HR/DC

Date:

15-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)	33	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	194	2.9	15%

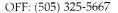
Matrix Spike

mutin Opike	<u> </u>				
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	83	85	(70-130)	2	20%

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

Approved by:
Date: 8/18/7

P.O. BOX 2606 • FARMINGTON, NM 87499





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: Denver Bearden Date:

5-Aug-97

Company: PNM Gas Services

COC No.:

5511

Address: 603 W. Elm Sample No.:

15536

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Apache 102-15A Landfarm

Project Location:

9707310945; 5pt. Composite

RB

Date:

31-Jul-97 Time:

9:45

Sampled by: 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)	125	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	204	1.9	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	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:
Date: 8/5/12