DEPUTY OIL & GAS INSPECTOR ENVIRONMENTAL PROTECTION OFFICE

JUN 23 1998

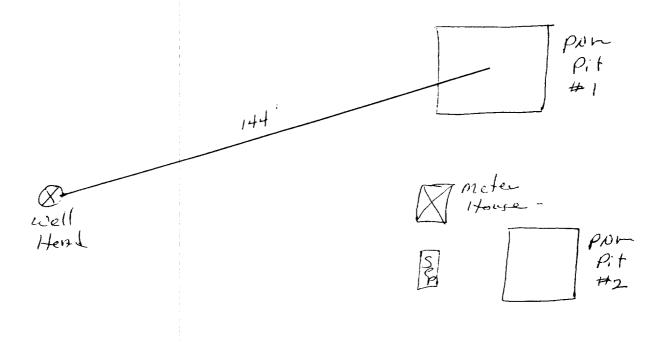
P.O. BOX 507 DULCE, NEW MEXICO 87528 SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS **ADMINISTRATION**

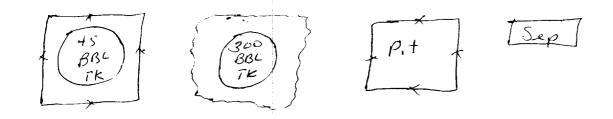
PIT REMEDIATION AND CLOSURE REPORT

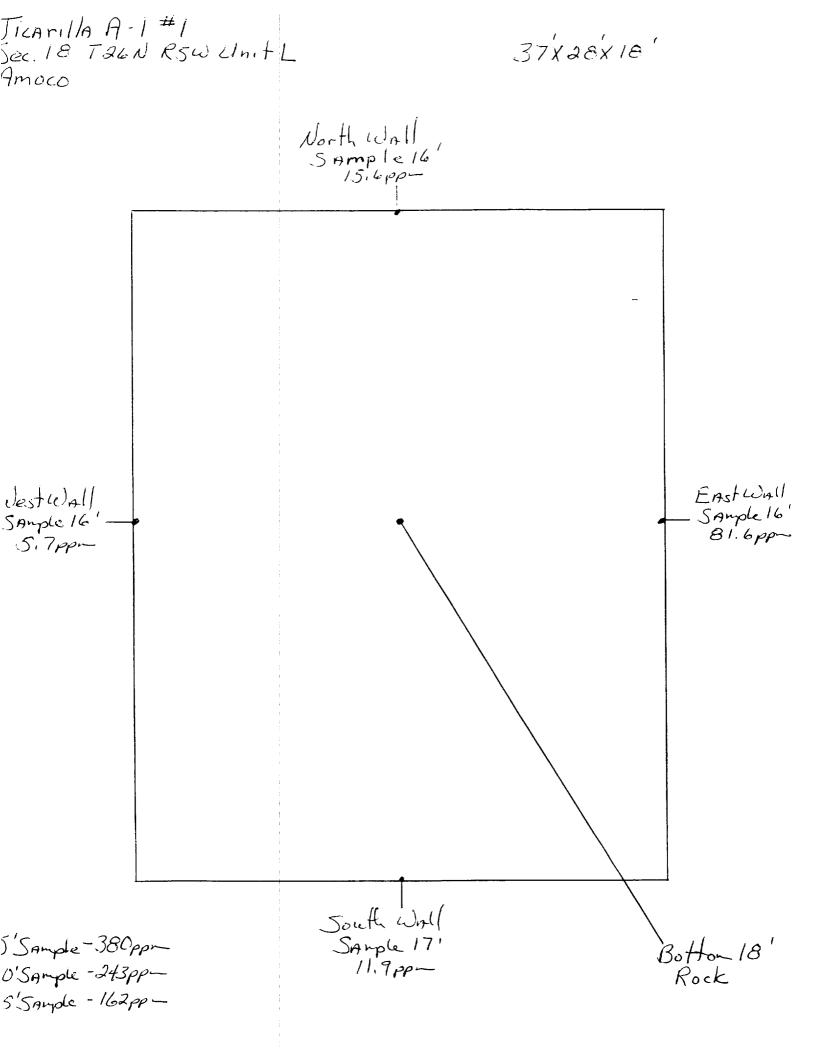
The state of the s	
Operator: PNM Gas Services	(1711 C C) Telephone: 324-3764
Address: 603 W. Elm Street Farming	ton, NM 87401
Facility or Well Name: JICHY	illa A-1#1
Location: Unit: s	ec. 18 T24 N R. 5 W County Rio Arriba
Pit Type: Separator X	Dehydrator Other
Land Type:	
Pit Location: Pit dimensions:	length $35'$ width $33'$ depth 8
(Attach diagram) Reference:	wellhead X other
Footage from refe	erence: / 4 4
Direction from ref	
	West South
Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation of	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
Wellhead Protection Area:	SEIVED Yes (20 points) No (0 points)
Distance to Surface Water: 0 (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	CON. DIV. Less than 200 feet (20 points) 200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)
Distance to Ephemeral Stream (dry w (Horizontal distance to all downgradient streams having a width of at least 10 feet)	ash): Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points)
Distance to Nearest Lake, Playa, or W Pond: (Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)	Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points)
	RANKING SCORE (TOTAL POINTS):

Date Remediation Started	: 9/10/	771	Date Completed:	11/20/97
Remediation Method:	Excavation	<u> </u>	pprox. Cubic Yards	691
(Check all appropriate	Landfarmed	<u> </u>	Amount Landfarmed (cu	bic yds): <u>(-91</u>
sections)	Other			
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	Χ΄	Offsite	
General Description of F	mtain ina	ted soil selous 10 nock	froi 17/1/	d space
Ground Water Encounte	red: No	Yes	Depth	
Final Pit Closure Sampling:	Sample Location	North	Eight Sout	Lift Cast
(if multiple samples, attach sample result and diagram of	Sample depth	17'		
sample locations and depths.)	Sample date	9/11/97	Sample time	0851
	Sample Results	1.5		
Soil:	Benzene (ppm)	$\mathcal{N}D$	Water: Benzene	
•	Total BTEX (ppm	<u> </u>	Toluene	
	Field headspace (pp	om) <u>81.6</u>	·	zene (ppb) lenes (ppb)
	TPH <u>/3</u> ppr	Method $\underline{\mathcal{E}}$	015 TOTAL TOTAL XY	leties (pps)
Ground Water Sampl	e: Yes	No	⟨ (If yes, attage)	ch sample results)
I HEREBY CERTIFY THA	:	ON ABOVE IS TRU	JE AND COMPLETE T	O THE BEST OF MY
,	18/97	PRINTE	D NAME Ronald A	. Dedrick
SIGNATURE Ron	aid 1) Did	wick AND T	TITLE Environmen	tal Technician II
AFTER REVIEW OF TH			CLOSURE IS APPROV	ED IN ACCORDANCE
APPROVED: YES	\sum NO $\underline{}$	(REASON):		
SIGNED: Lew	man U	DATE:	9-30-9	7

Jicarilla A-1#1 Sec. 18 T24N RSW Unit L Amocc







OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

603 W. Elm

City, State: Farmington, NM 87401

PNM Gas Services - Jicarilla A-1 #1

Project Name: Project Location: Sampled by:

9709110851; 4pt. Composite PA

DC/HR

Date: Date:

11-Sep-97 Time:

17-Sep-97

Analyzed by: Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	13	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-STD

Date:

COC No.:

Job No.:

Sample No.:

18-Sep-97

5587

16162

2-1000

8:51

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	177	12.5	15%

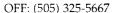
Matrix Spike

	<u> </u>				
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	87	88	(70-130)	1	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-Sep-97

Company: PNM Gas Services

COC No.:

5587

Address:

603 W. Elm

Sample No.:

16162

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla A-1 #1

Project Location:

9709110851; 4pt. Composite

Sampled by:

PΑ DC Date: Date: 11-Sep-97 Time:

12-Sep-97

8:51

Analyzed by: Sample Matrix:

Soil

Laboratory Analysis

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

ND - Not Detected at Limit of Quantitation

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

Approved by:

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

Operator: PNM Gas Services ((Amoco) Telephone: 324-3764							
Address: 603 W. Elm Street Farmington,	NM 87401							
Facility or Well Name: Tichrilly 17-1 #1								
Location: Unit: Se	ec. 18 T. 26 N R. 5 W County Rio Arriba							
Land Type: Jicarilla Apache								
Date Remediation Started: 1/10/S Remediation Method: Landfarmed X Composted Other	Date Completed: ///3/97 Approx. cubic yards 4-9/							
Depth to Ground Water:	(pts.) Final Closure Sampling:							
Distance to an Ephemeral Stream: Distance to Nearest Lake, Playa,	(pts.) Sampling Date: 11/12/97 Time 1307							
or Watering Pond:	(pts.) Sampling Results: Field Headspace (ppm) 50.7							
Wellhead Protection Area: Distance to Surface Water:	(pts.) Field Headspace (ppm) 50.7 (pts.) TPH (ppm) 77 Method ECVS							
Ranking Score (Total Points):	Other							
I HEREBY CERTIFY THAT THE INFORMATION	NABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF							
DATE 11/16/97	PRINTED NAME Ronald A. Dedrick							
SIGNATURE Randle A. T	Deduck AND TITLE Environmental Technician II							
AFTER REVIEW OF THE SOIL REMEDIATION JICARILLA APACHE TRIBE PIT CLOSURE ORI	I INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE							
APPROVED: YES NO	(REASON) us as Backfill							
SIGNED: Kon C. Man	DATE: 117-99							

icarilla A-1#1
jec 18 T26N R5W Unit L
)moco

LAndfarm

120'

0.2pp

33.8 рр-

44.7pp- 50.7pp-

42'

Well Hend



OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

603 W. Elm

City, State: Farmington, NM 87401

Date:

13-Nov-97

COC No.:

5637

Sample No.:

16864

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla A-1 #1 Landfarm

Project Location: Sampled by:

RB

9711121307; 5pt. Composite Date:

12-Nov-97 Time:

13:07

Analyzed by:

DC/HR

Date:

13-Nov-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	77	mg/kg	5	ıng/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-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%

iviatrix Spik	9				
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	91	90	(70-130)	1	20%

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

Approved by:

P.O. BOX 2606 • FARMINGTON, NM 87499