Denny & Four JICARILLA APACHE TRIBE DEPUTY OIL & GAS INSPECTOR VIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

JUN 23 1998

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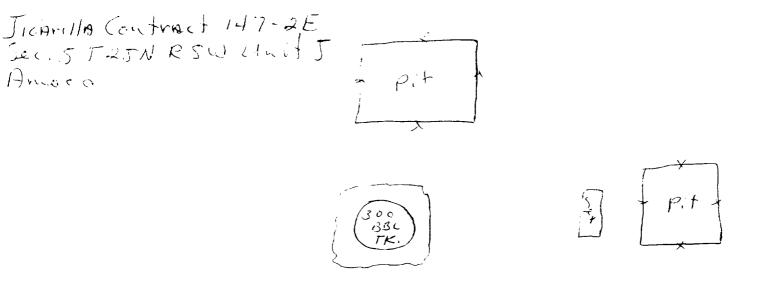
P.O. BOX 507 GULCE, NEW MEXICO 87528

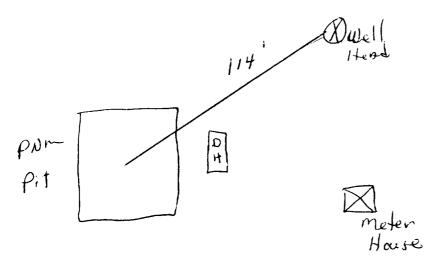
PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (PINECO) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Jiciarilla Contract 147-2E	
Location: Unit: Sec. 5 T. 25 N R. 5 W County Rio Arriba	
Pit Type: Separator Dehydrator X Other	
Land Type:	
Pit Location: Pit dimensions: length 27 width 27 depth 77	; <i>'</i>
(Attach diagram) Reference: wellhead other	
Footage from reference: // / /	
Direction from reference: 45 Degrees East North	
of West ← South	
Depth to Ground Water: (Vertical distance from contaminants Less than 50 feet (20 points) 50 feet to 99 feet (10 points)	04
(Vertical distance from contaminants to seasonal high water elevation of ground water) (10 points) Greater than 100 feet (0 points)	<u>+</u>
Wellhead Protection Area: Yes (20 points)	Ö
(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources) No (0 points)	
Distance to Surface Water: O[[[] C[0]N] D[[V] Less than 200 feet (20 points)	
(Horizontal distance to perennial lakes, ponds, rivers, streams. 200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)	0
Creeks, irrigation canals and ditches) Dischange to Enhanceral Stroom (day work) (10 paints)	
Distance to Ephemeral Stream (dry wash): (Horizontal distance to all downgradient streams having a width of at least 10 feet) (10 points) (0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond: (Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds) Less than or equal to 100 feet (10 points) (0 points)	<u>Ø</u>
RANKING SCORE (TOTAL POINTS):	B



Date Remediation Started	: <u>9/29/9</u>	7	Date Comple	eted:	11/19/97
Remediation Method:	Excavation	X	Approx. Cubic	Yards	592
(Check all appropriate	Landfarmed	Χ΄	Amount Land	farmed (cubic	yds): <u>592</u>
sections)	Other				
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	Χ	Offsite	-	
Removed Co	emedial Action: 17 tain instead 17 tac/oc//	d soil			side walls c rending.
Ground Water Encounter	red: No	Yes _		Depth	
Final Pit Closure Sampling:	Sample Location	North, c	Enst,	South	itud West
(if multiple samples, attach sample result and diagram of	Sample depth	181			
sample locations and depths.)	Sample date	7/29/97	Samp	ole time	1521
	ample Results	MA	184-4-	D	
	enzene (ppm) otal BTEX (ppm /	RAD		Benzene (pp	
	eld headspace (ppm)	/	047	Ethylbenzen	
			3015	Total Xylene	
Ground Water Sample:		No _	40.0	yes, attach sa	ample results)
I HEREBY CERTIFY THAT KNOWLEDGE AND MY BE	THE INFORMATION	ABOVE IS TRI	JE AND COM	PLETE TO TH	E BEST OF MY
DATE	3/97	PRINTE	D NAME	Ronald A. Ded	drick
SIGNATURE Rona	ed 1). Dedrick	AND T	TTLE En	vironmental T	echnician II
AFTER REVIEW OF THE TO JICARILLA APACHE	PIT CLOSURE INFOR	RMATION, PIT ORDINANCE.	CLOSURE IS	APPROVED I	N ACCORDANCE
APPROVED: YES	NO	(REASON):	<u> 59</u> 00	M 4 G	(050
SIGNED: Xen	Manuel	DATE:		-14-97	





Dicarilla Contract 147-2E Sec 5 T251 RSW HINTS 27829×191 Amero Northeleall Sample 18' Ed. Epp EAST LAN SAMPLE 16 11.8pp surge 18 6.212pm -South litel/ Sample 18'

2.9pp~

5' Sample - 780pp-10' Sample - 542pp-15' Sample - 308pp-

Botto-19'
Rock

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: Denver Bearden Date:

2-Oct-97

PNM Gas Services Company:

COC No.:

5611

603 W. Elm Address:

Sample No.:

16451

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-2E

Project Location:

9709291521; 4pt. Composite

29-Sep-97 Time:

15:21

Sampled by: Analyzed by: PA HR/DC Date: Date:

2-Oct-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	10	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-STD

Continuing Calibration Verification

Continuing Campitation Torritotters							
	Method	Unit of	True	Analyzed		RPD	
Parameter	Blank	Measure	Value	Value	RPD	Limit	
Diesel Range (C10 - C28)	ND	ppm	200	188	6.4	15%	

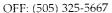
Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	91	89	(70-130)	2	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:

6-Oct-97

Company: PNM Gas Services

COC No.:

5**611**

Address:

16451

603 W. Elm

Sample No.:

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-2E

Project Location:

9709291521; 4pt. Composite PΑ

Date: Date: 29-Oct-97 Time:

15:21

Sampled by: Analyzed by:

DC

2-Oct-97

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		10	ug/kg	2	ug/kg
m,p-Xylene		20	ug/kg	2	ug/kg
o-Xylene		38	ug/kg	2	ug/kg
	TOTAL	67	ug/kg		

ND - Not Detected at Limit of Quantitation

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

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	<u> </u>							
Address: 603 W. Elm Street Farmington, NM 87401								
Facility or Well Name: Jicarilla Contract 147-2E								
	T. 25 N R. 5 W County Rio Arriba							
Land Type: Jicarilla Apache								
Date Remediation Started: 9/29/97 Remediation Method: Landfarmed X Composted Other	Date Completed: 10/24/97 Approx. cubic yards 57-2							
Depth to Ground Water: (pts.)	Final Closure Sampling:							
Distance to an Ephemeral Stream: (pts.) Distance to Nearest Lake, Playa, (pts.) or Watering Pond:	Sampling Date: 10/23/97 Time 1000 Sampling Results:							
Wellhead Protection Area: (pts.)	Field Headspace (ppm) 3/.3							
Distance to Surface Water: (pts.)	Other (ppm) 7 Method 8025							
Ranking Score (Total Points):	<u> </u>							
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRU	JE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF							
DATE 10/27/97 PRIM	NTED NAME Roy Burnham							
SIGNATURE Ray Bumham	AND TITLE Environmental Technician II							
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE								
APPROVED: YES NO (REASON	v) use as Backfill							
SIGNED: KINC Manual	DATE:							

Sichrilly Contract 147-2E Sec 5 Task RSW Units HMOCO

Land farm

94 15.7 ppm 21.3 ppm J.8 ppm - Will Hend :23 il.5 ppm 3.6 ppm

4

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

26-Oct-97

Company: PNM Gas Services

COC No.:

5624

Address:

603 W. Elm

Sample No.:

16664

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-2E Landfarm

Project Location:

RB

9710231000; 5pt. Composite Date:

23-Oct-97 Time:

10:00

Sampled by: Analyzed by:

DC

Date:

24-Oct-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	7	mg/kg	5	mg/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	216	7.7	15%

Matrix Spike

	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	79	101	(70-130)	16	20%

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

Approved by: 10/26/97