Denny & Fourt
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

JUN 23 1998

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507 DULCE, NEW MEXICO 87528

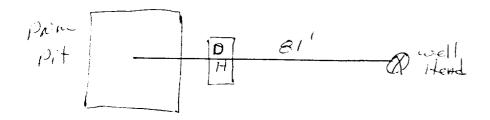
Approval

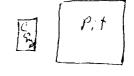
RIT REMÉDIATION AND CLOSURE REPORT

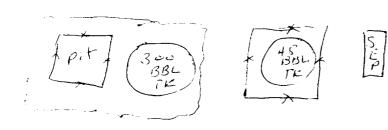
Operator:	PNM Gas Services (Pmo	CO) Telephone:	324-3764
Address:	603 W. Elm Street Farmington, NM 874	01	
Facility or V	Vell Name: JICArilla A-	2E	
Location:	Unit: Sec/_&	T. 24 N R. 5 W Co	unty Rio Arriba
Pit Type:	Separator Dehydrator	X Other	
Land Type:	Jicarilla Apache	_	
Pit Location	: Pit dimensions: length	7/ width 33	depth 4
(Attach diag	ram) Reference: wellhead	X other	
	Footage from reference:	3/'	
	Direction from reference: 5/r/	Degrees East of	North
	art amage	× West	South
(Vertical distance fro		Less than 50 feet 50 feet to 99 feet	(20 points) (10 points)
to seasonal high wai ground water)	Y elevation of DECEIVE	Greater than 100 feet	(0 points)
(Less than 200 feet	rotection Area:	Yes No	(20 points) (0 points)
other water sources	Surface Water: to perennial streams.	Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points)
L	Ephemeral Stream (dry wash): to all downgradient tith of at least 10	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 P	POINTS):

Date Remediation Started	: <u>9/15/97</u> Date C	Completed: 11/20/97						
Remediation Method:	Excavation X Approx	. Cubic Yards <u>347</u>						
(Check all appropriate	LandfarmedX Amoun	t Landfarmed (cubic yds): 347						
sections)	Other							
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite Offsi	te						
General Description of Remedial Action: Removed contaminated soil from all four side walls As to get it below 100 pp. hered sprace rending. Bottoz is rock.								
Ground Water Encounte	red: No <u>×</u> Yes	Depth						
Final Pit Closure Sampling:	Sample Location North En	st, South and						
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth $4'$ Sample date $9/15/97$	Sample time //47						
	Sample Results Senzene (ppm) $\mathcal{N}\mathcal{D}$	Water: Benzene (ppb)						
	Total BTEX (ppm 0.120	Toluene (ppb)						
	Field headspace (ppm) 56.7	Ethylbenzene (ppb)						
	TPH ND ppm Method 80/5	Total Xylenes (ppb)						
Ground Water Sample	e: Yes No _X	(If yes, attach sample results)						
I HEREBY CERTIFY THA KNOWLEDGE AND MY E	T THE INFORMATION ABOVE IS TRUE AN	D COMPLETE TO THE BEST OF MY						
,	25/97 PRINTED NAI	ME Ronald A. Dedrick						
SIGNATURE Rom	old A Deduck AND TITLE	Environmental Technician II						
	E PIT CLOSURE INFORMATION, PIT CLOS TRIBE PIT CLOSURE ORDINANCE.	URE IS APPROVED IN ACCORDANCE						
APPROVED: YES	NO (REASON):							
SIGNED: Lew	DATE:	9-36-99						

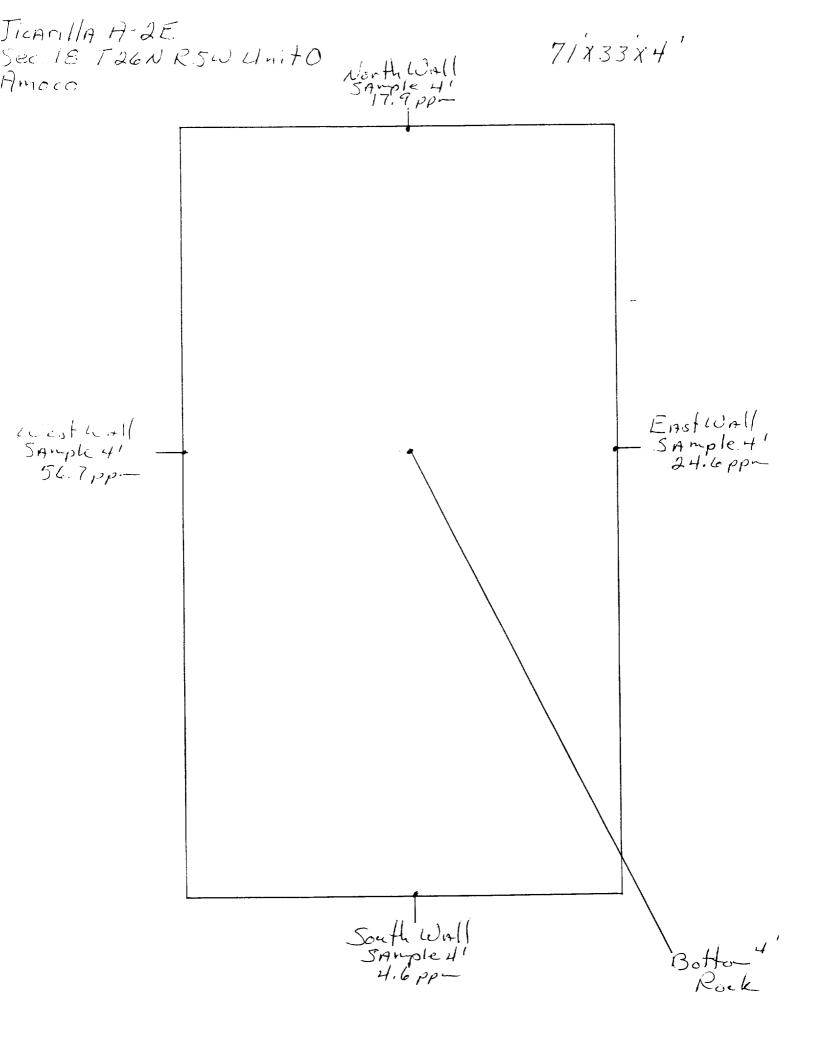
Sicarilla A-DE Sec. 18: TOGN RSW Unito Amosco







p;t



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

24-Sep-97

Company: PNM Gas Services

COC No.:

55**88**

Address:

603 W. Elm

Sample No.:

16245

Job No.:

2-1000

City, State: Farmington, NM 87401

Project Name: Project Location: PNM Gas Services - Jicarilla A-2E 9709151147; 4pt. Composite

Sampled by:

MΤ

Date:

15-Sep-97 Time:

11:47

Analyzed by:

DC/HR

Date:

22-Sep-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.: 0555-STD

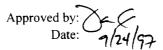
Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	184	8.5	15%

Matrix Spike

	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
	1				
Diesel Range (C10-C28)	88	87	(70-130)	1	20%

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







LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date: 25-Sep-97

Company: PNM Gas Services

COC No.:

5588

Address:

Sample No.:

16245

City, State: Farmington, NM 87401

603 W. Elm

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla A-2E

Project Location:

9709151147; 4pt. Composite

Sampled by:

MΤ

Date: Date: 15-Sep-97 Time:

19-Sep-97

11:47

Analyzed by: Sample Matrix: HR Soil

Laboratory Analysis

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
					3
Benzene		ND	ug/kg	1	ug/kg
Toluene		15	ug/kg	1	ug/kg
Ethylbenzene		18	ug/kg	1	ug/kg
m,p-Xylene		53	ug/kg	1	ug/kg
o-Xylene		34	ug/kg	1	ug/kg
	TOTAL	120	μσ/kσ		

ND - Not Detected at Limit of Quantitation

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

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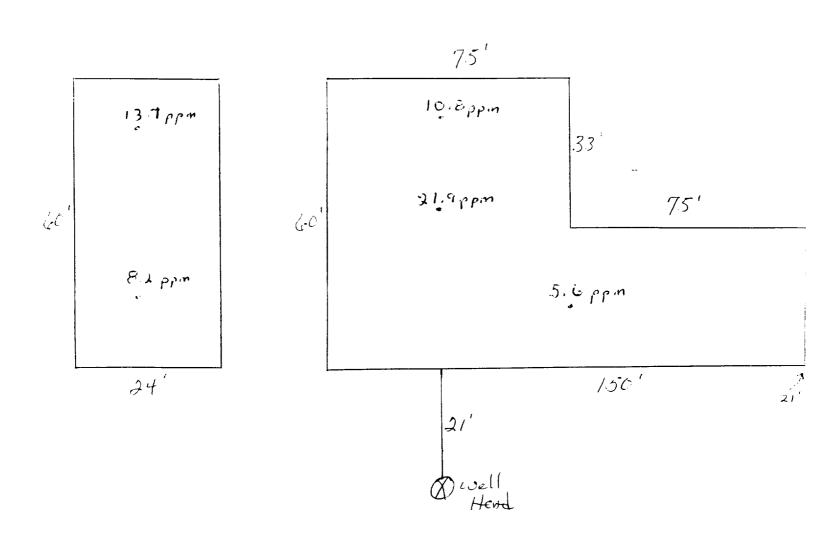
JICARILLA APACHE TRIBE ENVIRONMENTAL PROTECTION OFFICE P.O. BOX 507 DULCE, NEW MEXICO 87528

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Pm &co) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	_
Facility or Well Name: Jicarilla A-2E	_
Location: Unit: O Sec. 18 T. 26 N R. 5 W County Rio Arriba	_
Land Type: Jicarilla Apache	
Date Remediation Started: 9/15/97 Date Completed: 103/97 Remediation Method: Landfarmed X Approx. cubic yards 3 4 7 Composted Other	
Depth to Ground Water: (pts.) Final Closure Sampling:	
Distance to an Ephemeral Stream: (pts.) Sampling Date: 10/24/97 Time 0901	_
Distance to Nearest Lake, Playa, (pts.) Sampling Results:	
Wellhead Protection Area: (pts.) → Field Headspace (ppm) ⊋1.9 Distance to Surface Water: (pts.) → TPH (ppm) 15 Method GCC	5-
Ranking Score (Total Points):	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE 11/3/97 PRINTED NAME Ray Burnham	
SIGNATURE Roy Burnham 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 X NO (REASON) We as Backfull	
SIGNED: Leve C. Manuel DATE: 11-04-97	

JICATILLA A-ZE Sec. 18 TZEN RSW Unito Amoco

LAndfarm





OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

31-Oct-97

Company: PNM Gas Services

COC No.:

5548

Address:

Sample No.:

16726

603 W. Elm

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla A-2E Landfarm

Project Location: Sampled by:

9710290901; 5pt. Composite

Date:

29-Oct-97 Time:

9:01

Analyzed by:

RB DC/HR

Date:

31-Oct-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as		Limit of	Unit of
	Received		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.: 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	223	10.7	15%

Matrix Spike

matrix opike					
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
			_		
Diesel Range (C10-C28)	134	108	(70-130)	8	20%

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

Approved by: