Denny & Fout DEPUTY OIL & GAS INSPECTOR

LICARILLA 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

Approved

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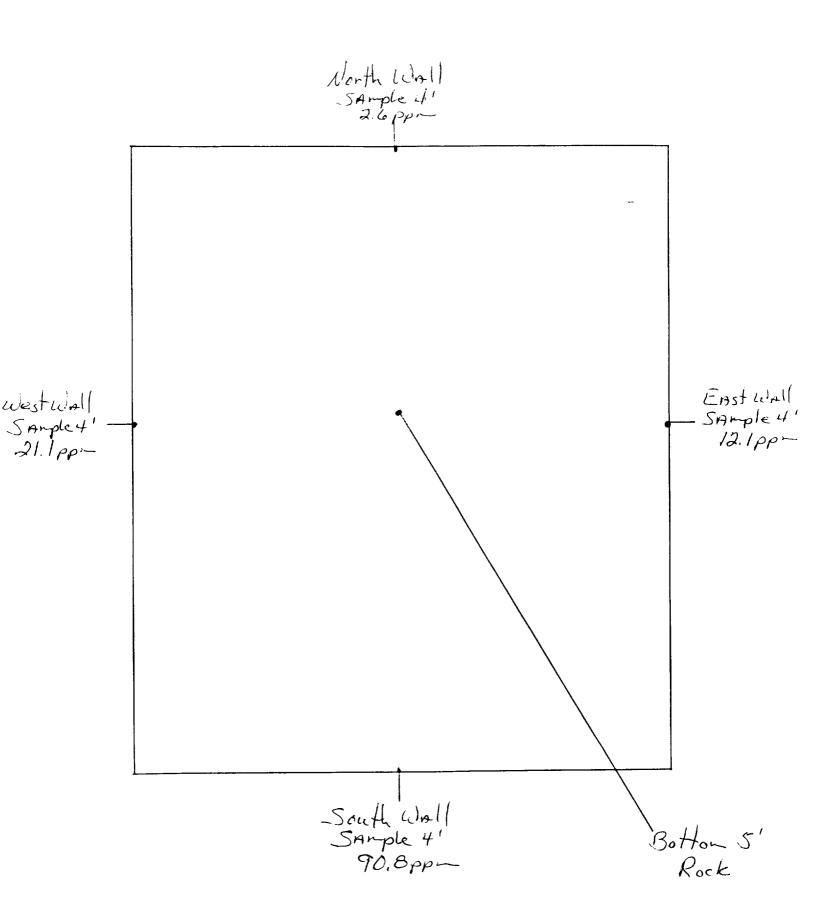
PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Proce) Telephone: 324-3764	
Address:	603 W. Elm Street Farmington, NM 87401	
Facility or V	Vell Name: Signarilla 17-2-Amoco	
Location:	Unit: B Sec. 18 T. 26N R. 5W County Rio Arriba	_
Pit Type:	Separator Dehydrator X Other	
Land Type:	Jicarilla Apache	
Pit Location	n: Pit dimensions: length 50 width 47 depth 5	
(Attach diag	ram) Reference: wellhead X other	
	Footage from reference: 90'	
	Direction from reference: 60 Degrees East North	
	of West South	
(Vertical distance fro to seasonal high wat ground water) Wellhead P (Less than 200 feet water source, or, les other water sources)	rotection Area: from a private domestic at then 1,000 feet from all OUT GOOD FORM	<u>er</u>
(Horizontal distance lakes, ponds, rivers, creeks, irrigation car	to perennial streams. 200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)	<u>a</u>
Distance to (Horizontal distance streams having a wifeet)		<u>e</u>
Pond:	Nearest Lake, Playa, or Watering Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points) to all downgradient exertions or wildlife	<u>ئے۔</u>
	RANKING SCORE (TOTAL POINTS):	er

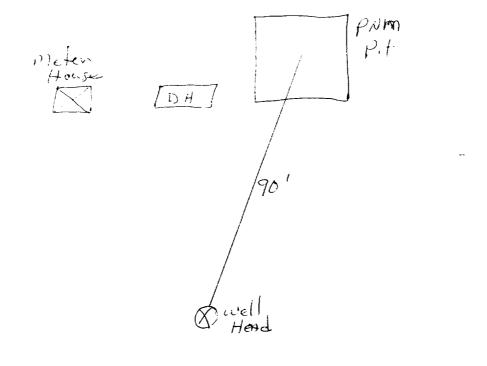
Date Remediation Started	Date Completed: $11/249$
Remediation Method:	Excavation X Approx. Cubic Yards 4.3.5
(Check all appropriate	Landfarmed X Amount Landfarmed (cubic yds): 4.35
sections)	Other
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite
	emedial Action: Continuated Soil from All four side of the below 100 ppm head space Bottom is rock.
Ground Water Encounte	red: No X Yes Depth
Final Pit Closure Sampling:	Sample Location North, East, South, and West
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth 24 1 Sample date 9/11/97 Sample time 1402
	ample Results
Soil: E	Benzene (ppm) Water: Benzene (ppb)
Т	Toluene (ppb)
F	ield headspace (ppm) 90.8 Ethylbenzene (ppb)
٦	PH 18 ppm Method 80/5 Total Xylenes (ppb)
Ground Water Sample	Yes No _X (If yes, attach sample results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY E	T THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY
,	S/97 PRINTED NAME Ronald A. Dedrick
SIGNATURE Rona	Ed A Deduck AND TITLE Environmental Technician II
	E PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TRIBE PIT CLOSURE ORDINANCE.
APPROVED: YES	NO (REASON):
SIGNED: Keul	Maul DATE: 9-30-97

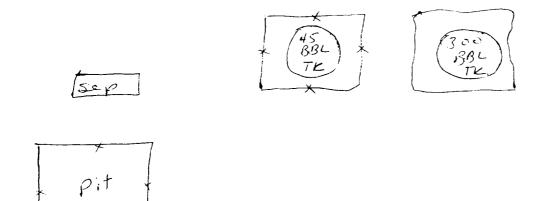
Jichrilla H-2 Sec. 18 T26NR5W Unit B Amoco

50×47×5'



Jicarilla A-2 Sec. 18 T26N RSW Unit B Amoco





OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

18-Sep-97

Company: PNM Gas Services

COC No.:

5587

Address:

603 W. Elm

16164

Sample No.:

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name: Project Location: PNM Gas Services - Jicarilla A-2

9709111402; 4pt. Composite Date:

11-Sep-97 Time:

14:02

Sampled by: Analyzed by:

DC/HR

Date:

17-Sep-97

Sample Matrix:

Soil

PA

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	18	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	177	12.5	15%

Matrix Spike

matrix opike	matrix opino							
	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: Date: 9/18/97

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date: 17-Sep-97

Company: PNM Gas Services

COC No.:

5587

Address:

603 W. Elm

16164

City, State: Farmington, NM 87401

Sample No.: Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla A-2

Project Location:

9709111402; 4pt. Composite

Date:

11-Sep-97 Time:

14:02

Sampled by: Analyzed by: PΑ DC

Date:

12-Sep-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		1	ug/kg	1	ug/kg
Ethylbenzene		2	ug/kg	1	ug/kg
m,p-Xylene		14	ug/kg	1	ug/kg
o-Xylene		4	ug/kg	1	ug/kg
	TOTAL	21	uø/kø		

ND - Not Detected at Limit of Quantitation

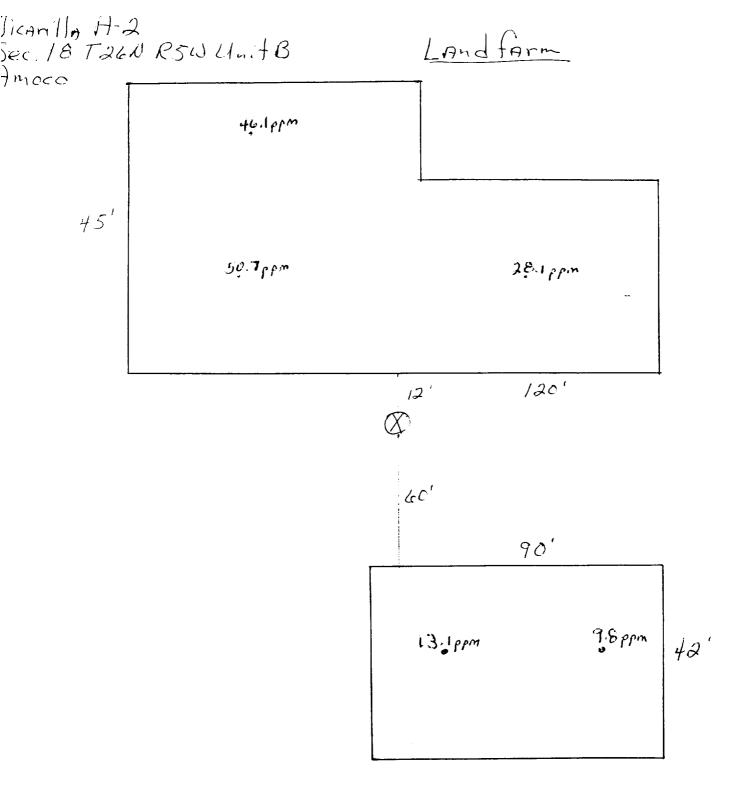
Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

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 (Amoco	Telephone: 324-3764						
Address: 603 W. Elm Street Farmington, NM 87401							
Facility or Well Name: Jichail/n F	1-2						
Location: Unit: B Sec. 18	T. 26 N R. 5 W County Rio Arriba						
Land Type: Jicarilla Apache							
Date Remediation Started:	Approx. cubic yards 43.5						
Depth to Ground Water: (pts.)	Final Closure Sampling:						
·	Sampling Date: 10/29/97 Time 0847						
Distance to Nearest Lake, Playa, (pts.) or Watering Pond:	Sampling Results:						
	Field Headspace (ppm) 50.7 TPH (ppm) 30 Method 50.5						
Distance to Surface Water.	Other						
Ranking Score (Total Points):							
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TR	RUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF						
DATE /1/3/97 PRI	NTED NAME Roy Burnham						
SIGNATURE Ray Burnhow	,						
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 (REASO	on) use as Backfill						
SIGNED: Lear Maull	DATE: 11-04-97						





OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

31-Oct-97

Company: PNM Gas Services

COC No.:

55**48**

Address:

603 W. Elm

Sample No.:

16725

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla A-2 Landfarm

Project Location:

9710290847; 5pt. Composite

Date:

29-Oct-97 Time:

8:47

Sampled by: Analyzed by: RB DC/HR

Date:

31-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)	30	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

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	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