JICARILLA APACHE TRIBE

TOWARD TO USE A COMMITTEE

ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

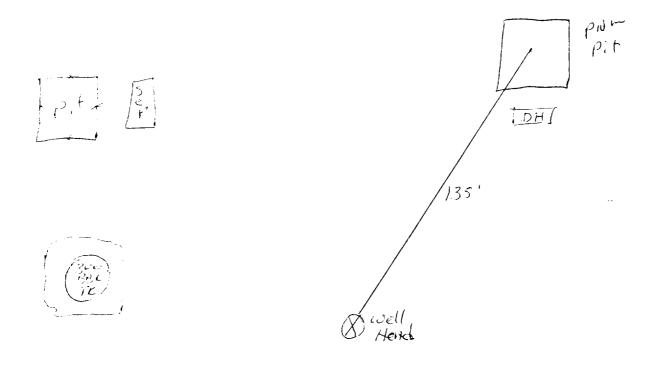
P.O. BOX 507 DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

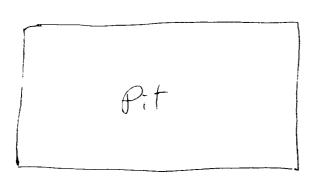
Operator: PNM Gas Services (Amoco	, <u>)</u> Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Jicarilla Cont	ract 147-7
Location: Unit: L Sec. Sec. 7.	25 N R. 5 W County Rio Arriba
Pit Type: Separator Dehydrator	X Other
Land Type:	
Pit Location: Pit dimensions: length	28' width $28'$ depth $19'$
(Attach diagram) Reference: wellhead _	X other
Footage from reference:	<u> </u>
Direction from reference: 4-0	Degrees East North
~ ·	of South
Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
Wellhead Protection Area: FEB - 3 1998	Yes (20 points) No (0 points)
water source, or; less than 1,000 feet from all OIII COMO DIV. Distance to Surface Water:	Less than 200 feet (20 points)
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)
Distance to Ephemeral Stream (dry wash): (Horizontal distance to all downgradient streams having a width of at least 10 feet)	Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points)
	Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points)
R	ANKING SCORE (TOTAL POINTS):

Date Remediation Started	$= \frac{9/16/97}{\text{Date C}}$	Completed:
Remediation Method:	Excavation X Approx.	. Cubic Yards 552
(Check all appropriate	Landfarmed X Amount	t Landfarmed (cubic yds): <u>くろろ</u>
sections)	Other	
Remediation Location:	Onsite Offsit	te
(i.e., landfarmed onsite, name and location of offsite facility)		
General Description of R	emedial Action:	m All four side walls
As to get o	a below 100 ppi- hence	
Bottonis	rock.	
Ground Water Encounte	red: No X Yes	Depth
Final Pit Closure Sampling:	Sample Location North EAST	1- South, And West
(if multiple samples, attach sample result and diagram of	Sample depth /8 '	
sample locations and depths.)	Sample date $9/17/97$	Sample time / 03/
	Sample Results $\Lambda'D$	Water: Benzene (ppb)
	Total BTEX (ppm C.C.1.2	Toluene (ppb)
	Field headspace (ppm) /3,3	Ethylbenzene (ppb)
	TPH NJ ppm Method $80/3$	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 ANI	D COMPLETE TO THE BEST OF MY
1	25/97 PRINTED NAM	ME Ronald A. Dedrick
SIGNATURE	sid A Didice AND TITLE	Environmental Technician II
	E PIT CLOSURE INFORMATION, PIT CLOSI TRIBE PIT CLOSURE ORDINANCE.	URE IS APPROVED IN ACCORDANCE
APPROVED: YES	X NO (REASON):	pray on close
SIGNED: Kent	DATE:	9-30-97

Jicarilla Contract 147-7 Sec. 8 T25N RSW UnitL Amoco

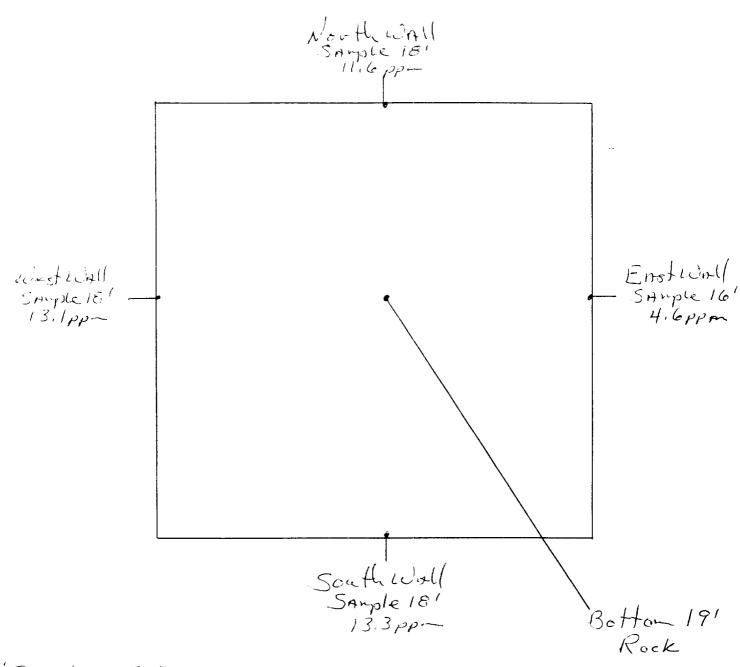


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Jicarilla Contract 147-7 Sec. & T25N R5W Unit L Amoco

28 x 28 x 19



5'SAMPLE - 587pp-10'SAMPLE - 288pp-15'SAMPLE - 163ppOFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

24-Sep-97

Company: PNM Gas Services

COC No.:

5590

Address:

Sample No.:

16249

603 W. Elm

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-7

Project Location:

9709171031; 4pt. Composite

Date:

17-Sep-97 Time:

10:31

Sampled by: Analyzed by: MT 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
Diesel Range (C10-C28)	88	87	(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

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

25-Sep-97

Company: PNM Gas Services

COC No.:

5590

Address:

603 W. Elm

Sample No.:

16249

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-7

Project Location:

9709171031; 4pt. Composite MT

Date:

17-Sep-97 Time:

10:31

Sampled by: Analyzed by:

HR

Date:

19-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		ND	ug/kg	1	ug/kg
Ethylbenzene		1	ug/kg	1	ug/kg
m,p-Xylene		9	ug/kg	1	ug/kg
o-Xylene		2	ug/kg	1	ug/kg
	TOTAL	12	ug/kg		

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: Jicanilla Contract 147-7							
Location: Unit: L Sec. 8 T.	25 N R. 5 W County Rio Arriba						
Land Type: Jicarilla Apache							
Date Remediation Started: 9/16/97 Remediation Method: Landfarmed X	Date Completed: 10/30/97 Approx. cubic yards 552						
Composted Other	Approx. Gause yards						
Depth to Ground Water: (pts.)	Final Closure Sampling:						
Distance to an Ephemeral Stream: (pts.)	Sampling Date: 10/29/97 Time 1006						
Distance to Nearest Lake, Playa, (pts.) or Watering Pond:	Sampling Results:						
Wellhead Protection Area: (pts.)	Field Headspace (ppm) 27.3 TPH (ppm) 73 Method 8015						
Distance to Surface Water: (pts.)	TPH (ppm) 13 Method <u>8015</u> Other						
Ranking Score (Total Points):							
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND	COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF						
DATE	IAME Roy Burnham						
SIGNATURE Roy Burnham AN	ND TITLE Environmental Technician II						
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION. ON-SI JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	ITE REMEDIATION APPROVED IN ACCORDANCE TO THE						
APPROVED: YES NO (REASON)	use as Backfull						
SIGNED: Lev C. Man DA	TE: 1/-04-97						

Sicarilla Contract 147-7 Sec. & Tash Rsw Unit L Hmoco

Land farm

150' 361 17.1 bbm 160' 13.4 ppm 12.1 ppm 39.3 ррм 63'

LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

31-0ct-97

Company: PNM Gas Services

COC No.:

5**62**7

Address:

603 W. Elm

Sample No.:

16717

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-7 Landfarm

Project Location:

9710291006; 5pt. Composite

RB

Date: Date:

29-Oct-97 Time:

10:06

Sampled by: Analyzed by:

DC/HR

30-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)	13	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	201	0.4	15%

Matrix Spike

matrix opini	•				
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	80	93	(70-130)	12	20%

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

Approved by: 0 (31/17)