DEPUTY OIL & GAS INSPECTOR
ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

JUN 23 1998

SWEETS CO.

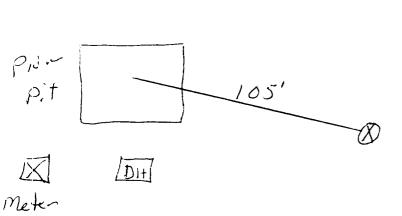
P.O. BOX 507 DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

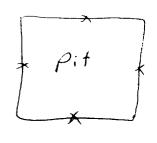
And product the special state of the special state	
Operator: PNM Gas Services (Ama	<u>C ひ</u>) Telephone : 324-3764
Address: 603 W. Elm Street Farmington, NM 87	401
Facility or Well Name: JICHTILA Con	tract 147-7E
Location: Unit: Sec&	T. 25 N R. 5 W County Rio Arriba
Pit Type: Separator Dehydrator	XOther
Land Type:	
Pit Location: Pit dimensions: length	40' width 40' depth /4'
(Attach diagram) Reference: wellhead	X other
Footage from reference:	05'
Direction from reference: 30	Degrees East North
	West South
Depth to Ground Water:	Less than 50 feet (20 points)
(Vertical distance from contaminants to seasonal high water elevation of ground water)	50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
Wellhead Protection Area:	Yes (20 points) No (0 points)
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all	
Constance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, rrigation canais and dirches)	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 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)
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) Greater than 100 feet (0 points)
	RANKING SCORE (TOTAL POINTS):

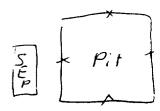
Date Remediation Started:	9/22/97	Date Completed: 11/3/97
Remediation Method:	Excavation X	Approx. Cubic Yards 830
(Check all appropriate	Landfarmed X	Amount Landfarmed (cubic yds): 830
sections)	Other	
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite X	Offsite
Removed Co As to get a Botton is	ntaminated soil	from All four side walls - hend space reading.
Ground Water Encounter	ed: No X Yes	Depth
Final Pit Closure Sampling:	Sample Location North	Enst South And West
(if multiple samples, attach sample result and diagram of sample locations and	Sample depth $\frac{1.3'}{9.23/9.7}$	Sample time / 2 4 /
depths.)	imple Results	
Soil: Be	enzene (ppm)	Water: Benzene (ppb)
To	tal BTEX (ppm <u>0.008</u>	Toluene (ppb)
Fie	eld headspace (ppm) 15.9	Ethylbenzene (ppb)
TF	PH <u>ND ppm</u> Method <u>8</u>	POIS Total Xylenes (ppb)
Ground Water Sample:	Yes No	(If yes, attach sample results)
I HEREBY CERTIFY THAT KNOWLEDGE AND MY BE	THE INFORMATION ABOVE IS TR	LUE AND COMPLETE TO THE BEST OF MY
,	100	ED NAME Ronald A. Dedrick
SIGNATURE Parel	(A) Diduite AND	
AFTER REVIEW OF THE I	PIT CLOSURE INFORMATION, PIT RIBE PIT CLOSURE ORDINANCE.	CLOSURE IS APPROVED IN ACCORDANCE
APPROVED: YES	NO (REASON):	: Spnay a close
SIGNED: Kul	Minu DATE:	: 9-30-97

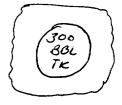
JICATILIA CONTRACT 14/-/E Sec. 8 T25N R5W Unit (Amoco



House

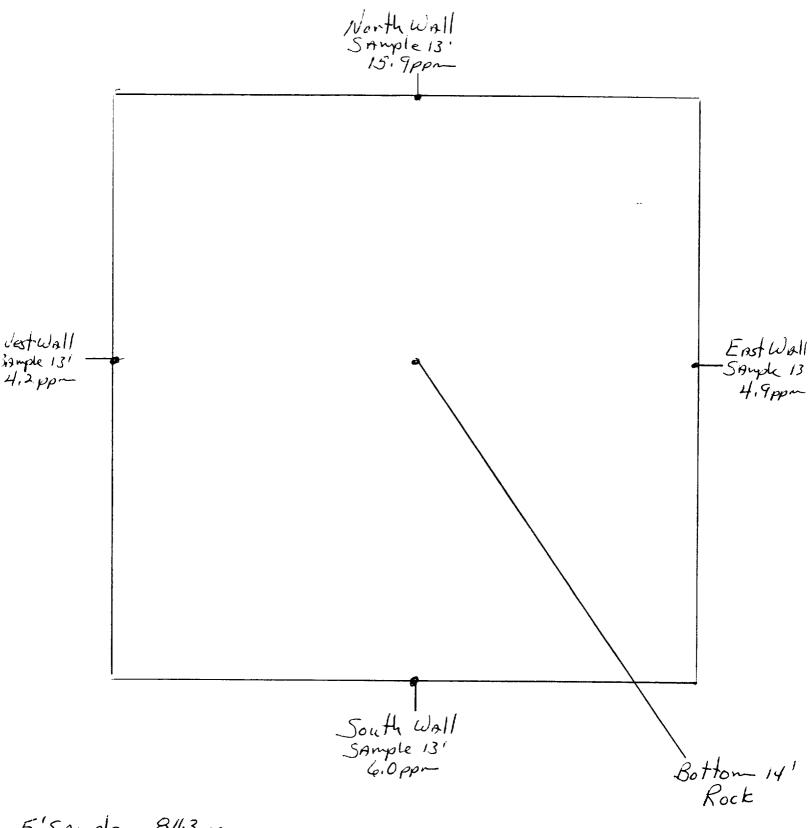






JICARILLA CONTRACT 141-1E Sec. 8 T2SN RSW Unit C Amoco

40 x 40 x 14



5'Sample - 843pp-10'Sample - 632ppOFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

30-Sep-97

Company: PNM Gas Services

COC No.:

5593

Address:

603 W. Elm

Sample No.:

16331

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-7E

Project Location:

9709231241; 4pt. Composite

23-Sep-97 Time:

12:41

Sampled by: Analyzed by:

TN HR/DC

Date: Date:

29-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	182	9.4	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	89	98	(70-130)	9	20%

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

Approved by:
Date: 9/30/97

P.O. BOX 2606 • FARMINGTON, NM 87499

Technology Reembing industry with the Embrohment

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

29-Sep-97

Company: PNM Gas Services

COC No.:

Address:

603 W. Elm

Sample No.:

55**9**3

City, State: Farmington, NM 87401

Job No.:

16331 2-1000

PNM Gas Services - Jicarilla Contract 147-7E

Project Name: Project Location:

9709231241; 4pt. Composite

Date: Date:

23-Sep-97 Time:

12:41

Sampled by: Analyzed by:

TN DC

28-Sep-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Results as Received		Limit of Quantitation	Unit of Measure
Benzene		ND	ug/kg	1	ug/kg
Toluene		2	ug/kg	1	ug/kg
Ethylbenzene		ND	ug/kg	1	ug/kg
m,p-Xylene		4	ug/kg	1	ug/kg
o-Xylene		2	ug/kg	1	ug/kg
	TOTAL	8	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	204.0704						
Operator: PNM Gas Services ()- MOCC) Telephone: 324-3764						
Address: 603 W. Elm Street Farmington, NM 87401							
Facility or Well Name: Ticarilla Contract 147-7E							
Location: Unit: Sec T	. 25 N R. 5 W County Rio Arriba						
Land Type: Jicarilla Apache	_						
Date Remediation Started: $9/22/97$	Date Completed: 10/17/97						
Remediation Method: Landfarmed X	Approx. cubic yards						
Composted							
Other							
Depth to Ground Water: (pts.)	Final Closure Sampling:						
Distance to an Ephemeral Stream: (pts.)	Sampling Date: 10/14/97 Time /230						
Distance to Nearest Lake, Playa, (pts.)							
Wellhead Protection Area: (pts.)	Field Headspace (ppm) <u>64.5</u>						
Distance to Surface Water: (pts.)	TPH (ppm) 96 Method 80/5						
Ranking Score (Total Points):	Other						
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE A	ND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF						
DATE 10/27/97 PRINTED	NAME Roy Burnham						
\sim 0 \sim							
SIGNATURE Roy Burnham	AND TITLE Environmental Technician II						
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON- JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE APPROVED: YES NO (REASON)	SITE REMEDIATION APPROVED IN ACCORDANCE TO THE						
12 - 0 - 1							
SIGNED: Kerl Namel	DATE: 10-28-97						

JICATILIA Contract 141-1E Sec. 8 T25N RSW UnitC Amoco

LAndfarm

64.1 ppm HI.I ppm 50.0ppm 156' 64.5 ppm 57.1 ppm 201

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

20-Oct-97

Company: PNM Gas Services

COC No.:

Job No.:

5**62**5

Address:

603 W. Elm

City, State: Farmington, NM 87401

Sample No.:

16608 2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-7E Landfarm

Project Location:

Sample Matrix:

9710161230; 5pt. Composite

Sampled by:

RB

Date: Date:

16-Oct-97 Time:

12:30

Analyzed by:

DC/HR Soil

17-Oct-97

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	96	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

Laboratory Analysis

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	100	94	6.4	15%

Matrix Spike

Total Opin					
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	93	92	(70-130)	1	20%

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

Approved by:

P.O. BOX 2606 • FARMINGTON, NM 87499