JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

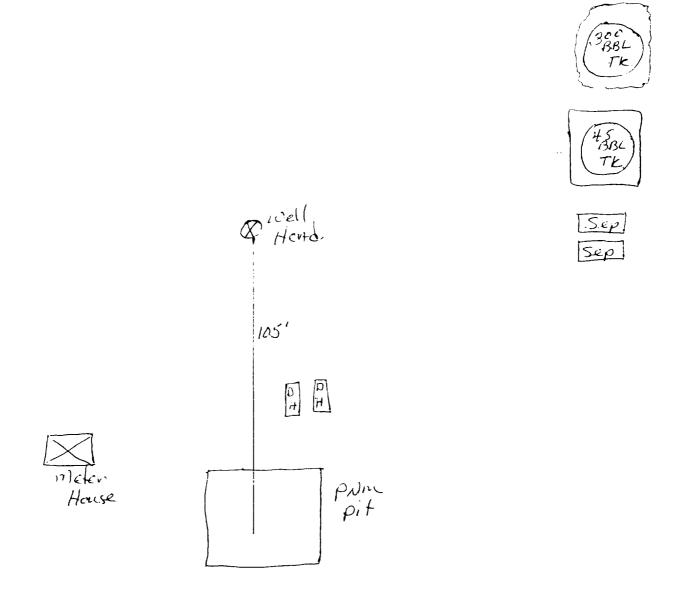
P.O. BOX 507 DULCE, NEW MEXICO 87528

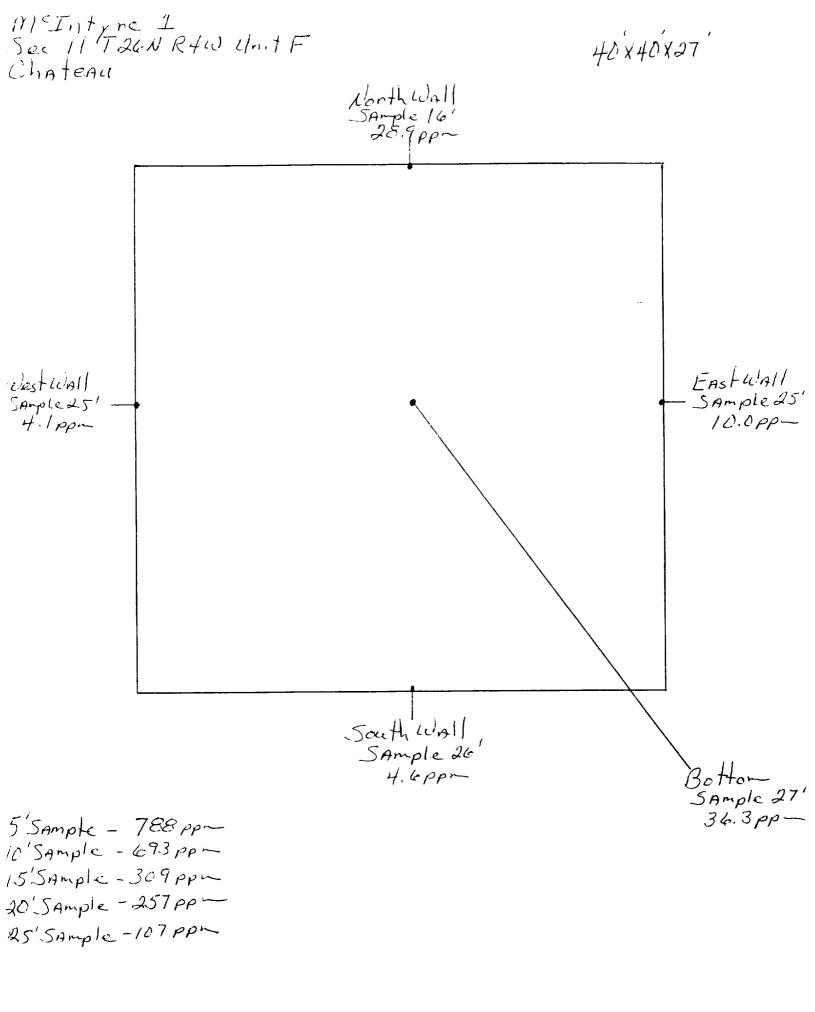
PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Chateau) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Mc Intyre 1	
Location: Unit: F Sec. // T. 26 N R. 4 W County Rio Arriba	
Pit Type: Separator Dehydrator XX Other	
Land Type: Jicarilla Apache	
Pit Location: Pit dimensions: length $40'$ width $40'$ depth 27	7
(Attach diagram) Reference: wellhead X other	
Footage from reference: / 0.5 '	
Direction from reference: $\underbrace{\int fraigh}_{f} f$ Degrees East North of West South X	
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)	<u>e</u>
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all	<u>e</u>
Office value sources) Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, ringation canais and ditches) Distance to Surface Water: District Dis	<u> </u>
Distance to Ephemeral Stream (dry wash): (Horizontal distance to all downgradient streams naving a width of at least 10 feet) Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points)	<u>e</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) Greater than 100 feet (0 points)	<u> </u>
RANKING SCORE (TOTAL POINTS):	0

Date Remediation Started	1: <u>8/11/97</u>	Date Completed:
Remediation Method:	Excavation X	Approx. Cubic Yards 1600
(Check all appropriate	Landfarmed X	Amount Landfarmed (cubic yds): / にの
sections)	Other	
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite X	Offsite
Removed Co And bottom Space reads	ntaminated soil	from All four side walls get A below 100 ppm hend
Ground Water Encounte	red: No X Yes	Depth
Final Pit Closure Sampling:	Sample Location North,	East, South, West And
(if multiple samples, attach sample result and diagram of sample locations and	Sample depth $\frac{27}{9}$	7 Sample time 0978
depths.)	ample Results	
Soil: E	Benzene (ppm)	Water: Benzene (ppb)
ד	otal BTEX (ppm	Toluene (ppb)
F	field headspace (ppm) 34,	Total Yylonos (nph)
٦	PH / 4 ppm Method _	8015 Total Ayleries (ppb)
Ground Water Sample	: Yes No _	(If yes, attach sample results)
I HEREBY CERTIFY THA KNOWLEDGE AND MY B DATE SIGNATURE	PRINT	RUE AND COMPLETE TO THE BEST OF MY TED NAME Ronald A. Dedrick TITLE Environmental Technician II
	E PIT CLOSURE INFORMATION, PI TRIBE PIT CLOSURE ORDINANCE	T CLOSURE IS APPROVED IN ACCORDANCE
APPROVED: YES	NO(REASON	1):
SIGNED: Lew	Manual DATI	E: <u>8-20-97</u>

MI-Intyre 1 Sec 11 TAGN RHW Unit F Chateau







LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

18-Aug-97

Company: PNM Gas Services

COC No.:

5538

Address:

Sample No.:

15781

603 W. Elm

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - McIntyre 1

Project Location:

9708120918; 5pt. Composite

Date:

12-Aug-97 Time:

9:18

Sampled by: Analyzed by: MT HR/DC

Date:

15-Aug-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	14	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Diesel Range (C10 - C28)	ND	ppm	200	194	2.9	15%

Matrix Snike

Matrix opike					
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	83	85	(70-130)	2	20%

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

Approved by: S/18/97

P.O. BOX 2606 • FARMINGTON, NM 87499

#1

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 (Chateau) Telephone: 324-3764
Operator: PNM Gas Services (Chateau	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: McIntyre 1	
Location: Unit: Sec// T.	26 N R. 4 W County Rio Arriba
Land Type: Jicarilla Apache	-
Date Remediation Started: 8/11/97	Date Completed: 9/i9/97
Remediation Method: Landfarmed X	Approx. cubic yards 800
Composted	
Depth to Ground Water: (pts.)	Final Closure Sampling:
Distance to an Ephemeral Stream: (pts.)	Sampling Date: $9/16/97$ Time 11.55
Distance to Nearest Lake, Playa, (pts.)	Sampling Results:
or Watering Pond: Wellhead Protection Area: (pts.)	Field Headspace (ppm) 31.5
Distance to Surface Water: (pts.)	TPH (ppm) <u>21</u> Method <u>8015</u>
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 $\frac{9/25/97}{}$ PRINTED	NAME Ronald A. Dedrick
SIGNATURE Randel A Dedick	AND TITLE Environmental Technician II
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE
APPROVED: YES NO (REASON)	use as Buckfill
SIGNED: Lie Comando	DATE: 9-30-9)

M' Intyre 1 Saull T26N R4W Unit F Chateau

Land farm

541 97.4pp £1,3pn·~ 87.1pp-10' Willl Hend 67.4 ppm 165' 27.1 pr -936pp-16.8 pp 76.1 pp-



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

23-Sep-97

Company: PNM Gas Services

COC No.:

55**99**

Address:

603 W. Elm

Sample No.:

16259

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - McIntyre 1 Landfarm

Project Location:

9709181155; 5pt. Composite

Date:

18-Sep-97 Time:

11:55

Sampled by: Analyzed by:

RB HR

Date:

19-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)	21	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-STD

Continuing Calibration Verification

Continuing Cambration Vermouses						
	Method	Unit of	True	Analyzed		RPD
Parameter	Blank	Measure	Value	Value	RPD	Limit
Diesel Range (C10 - C28)	ND	ppm	200	176	12.7	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
Diesel Range (C10-C28)	80	86	(70-130)	8	20%

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

Approved by: Date:

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	(Chateny)	Telephone: 324-3764
Address:	603 W. Elm Street Farmings	on. NM 87401	
Facility or W	ell Name: ///c_	Intyre 1	
Location: Land Type:	Unit:	Sec. // T.	26 N R. 4- W County Rio Arriba
Date Remediati		/97 <u>X</u> —	Date Completed: Approx. cubic yards
Distance to Nor Watering P Wellhead Prof Distance to S	n Ephemeral Stream: earest Lake, Playa, ond: tection Area:	(pts.)	Final Closure Sampling: Sampling Date: 8/27/97 Time 0907 Sampling Results: Field Headspace (ppm) 97.4 TPH (ppm) Method 805 Other
I HEREBY CER	RTIFY THAT THE INFORMAT	ION ABOVE IS TRUE AND	COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF
DATE		PRINTED NA	AME Ronald A. Dedrick
SIGNATURE		ANI	D TITLE Environmental Technician II
	W OF THE SOIL REMEDIATI ACHE TRIBE PIT CLOSURE		TE REMEDIATION APPROVED IN ACCORDANCE TO THE
APPROVED:	YES NO	(REASON)	
SIGNED:		DA1	TE:



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

9-Sep-97

Company: PNM Gas Services

COC No.:

5547

Address:

16040

603 W. Elm

Sample No.:

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - McIntyre 1 Landfarm

Project Location:

9709041222; 5pt. Composite

Date:

4-Sep-97 Time:

12:22

Sampled by: Analyzed by: RB DC/HR

Date:

5-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)	272	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-STD

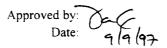
Continuing Calibration Verification

Continuing C	Janbiauon Vei	mounon				
	Method	Unit of	True	Analyzed		RPD
Parameter	Blank	Measure	Value	Value	RPD	Limit
Diesel Range (C10 - C28)	ND	ppm	200	214	6.9	15%

Matrix Spike

Parameter	1- Percent Recovered			RPD	RPD Limit
Diesel Range (C10-C28)	78	85	(70-130)	8	20%

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





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

2-Sep-97

Company: PNM Gas Services

COC No.:

5581

Address:

15958

603 W. Elm

Sample No.:

City, State: Farmington, NM 87401

Job No.:

2-1000

PNM Gas Services - McIntyre #1 Landfarm

Project Name: Project Location:

9708270907; 5pt. Composite

Date:

27-Aug-97 Time:

9:07

Sampled by: Analyzed by:

RB HR/DC

Date:

29-Aug-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	224	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

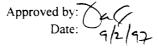
Continuing Calibration Verification

Continuing Compression Commercial								
	Method	Unit of	True	Analyzed		RPD		
Parameter	Blank	Measure	Value	Value	RPD	Limit		
Diesel Range (C10 - C28)	ND	ppm	200	197	1.5	15%		

Matrix Spike

iviatiix Spiki	<i>-</i>					
	1- Percent	2 - Percent			RPD	
Parameter	Recovered	Recovered	Limit	RPD	Limit	
Diesel Range (C10-C28)	80	81	(70-130)	1 _	20%	

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



#2

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	(Chateau)	Telephone:	324-3764
Address: 600	3 W. Elm Street Farmingt	on, NM 87401		
Facility or Well	Name: <u>MCJ</u>	ntyre 1		
Location:	Unit:	Sec. // T. 2	24 N R.	
Land Type: Ji	icarilla Apache	·		
Date Remediation Remediation Metho		//97 <u>×</u>	Date Complet Approx. cubic y	
Depth to Ground	Water:	(pts.)		Final Closure Sampling:
Distance to an Ep	phemeral Stream:	(pts.)	Sampling	Date: ///1/97 Time ////
Distance to Near or Watering Pond		(pts.)	Sampling	2 1 •
Wellhead Protect	tion Area:	(pts.)	Field He	adspace (ppm) 61.6
Distance to Surfa	ace Water:	(pts.)	Other	(re
Ranking Sco	ore (Total Points)): <u>Ø</u>		
I HEREBY CERTIF	THAT THE INFORMAT	TON ABOVE IS TRUE AND	COMPLETE TO T	HE BEST OF MY KNOWLEDGE AND BELIEF
DATE	11/14/97	PRINTED N	AME Ronald	A. Dedrick
SIGNATURE	Randal	Deduck AN	ID TITLE Envi	ronmental Technician II
AFTER REVIEW (OF THE SOIL REMEDIAT HE TRIBE PIT CLOSURE	ION INFORMATION, ON-S ORDINANCE	ITE REMEDIATION	APPROVED IN ACCORDANCE TO THE
APPROVED: YE	ES NO	(REASON)	use as	Bockfill
SIGNED:	Com Cilla	DA	TE: // -	-17-97

McIntyre 1 Sec. 11 Tagn R4W Unit F Chateau

LAndfarm

72'

24.2pp-

37.9pp-

6/leppn

12' 0 12'

22.7pp-

165

19.8 pp-



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

13-Nov-97

Company: PNM Gas Services

COC No.:

5636

Address:

603 W. Elm

Sample No.:

16859

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - McIntyre #1 Landfarm

Project Location:

9711111111; 5pt. Composite

Date:

11-Nov-97 Time:

11:11

Sampled by: Analyzed by:

DC/HR

Date:

13-Nov-97

Sample Matrix:

Soil

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	22	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	204	1.9	15%_

Matrix Snike

Wattix Spiki	-	1			000
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	91	90	(70-130)	1	20%

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

