JICARILLA APACHE TRIBE

Denny & Fount JICARILLA APACHE TRIBE
DEPUTY OIL & GAS INSPECTORNVIRONMENTAL PROTECTION OFFICE

JUN 23 1998

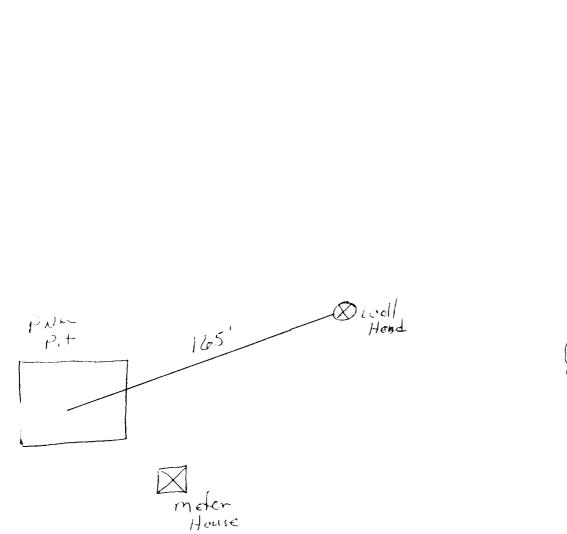
P.O. BOX 507 **DULCE, NEW MEXICO 87528** SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

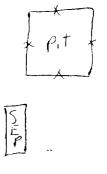
PIT REMEDIATION AND CLOSURE REPORT

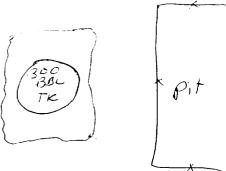
Operator: PNM Gas Services (Amaca) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name: Jicarilla Contro	act 147-1
Location: Unit: 17 Sec. 8	25 N R. 5 W County Rio Arriba
Pit Type: Separator Dehydrator	X Other
Land Type:	
Pit Location: Pit dimensions: length	$\frac{55'}{}$ width $\frac{39'}{}$ depth $\frac{16'}{}$
(Attach diagram) Reference: wellhead	
Footage from reference: / c	5′
Direction from reference: / C	Degrees East North
	of West ←—— South
	Less than 50 feet (20 points)
Depth to Ground Water: (Vertical distance from conteminants	50 feet to 99 feet (10 points)
to seasonal high water elevation of ground water)	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	NO
Distance to Surface Water:	Less than 200 feet (20 points)
(Horizontal distance to perennial	200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)
lakes ponds, rivers, streams, creeks, irrigation canals and ditches)	Greater than 1,000 feet (0 points)
Distance to Ephemeral Stream (dry wash):	Cress than or equal to 100 feet (10 points) Greater than 100 feet (0 points)
(Honzontal distance to all downgradient streams naving a width of at least 10	Greater trial 100 feet (0 points)
Distance to Nearest Lake, Playa, or Watering	Less than or equal to 100 feet (10 points)
Pond: (Horizontal distance to all downgradient lakes, playas, and Irvestock or wildlife water ponds)	Greater than 100 feet (0 points)
R	ANKING SCORE (TOTAL POINTS):

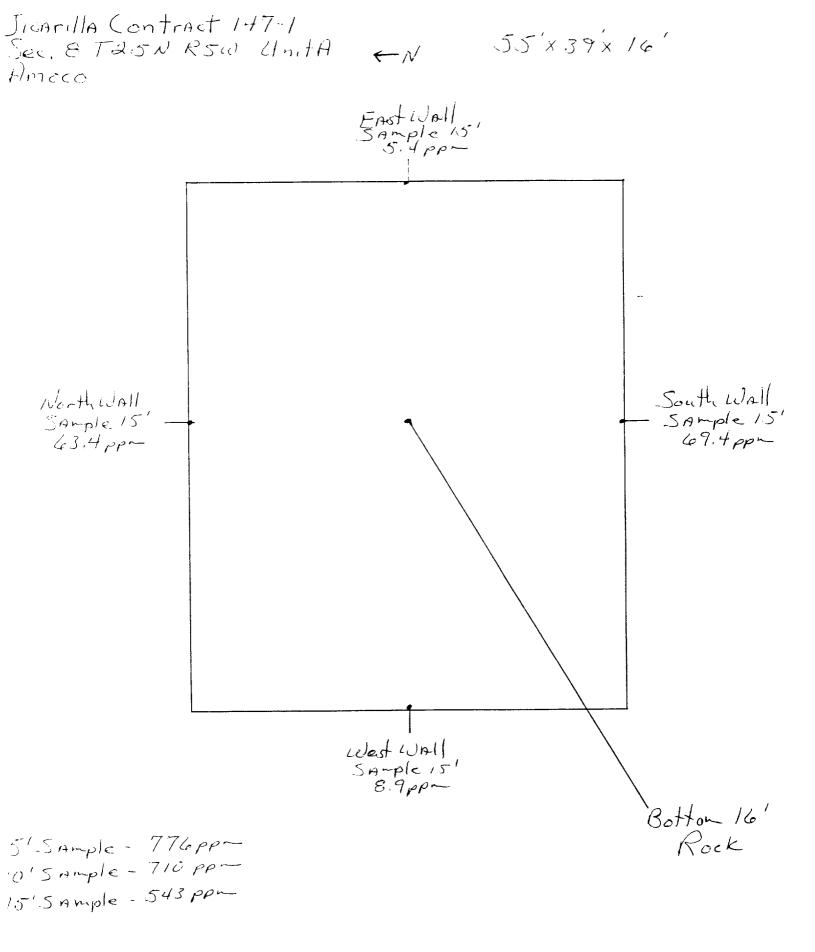
Date Remediation Started	: <u>9/30/97</u>	Date Completed:	10/30/97
Remediation Method:	Excavation	Approx. Cubic Yards	1271
(Check all appropriate	Landfarmed X	Amount Landfarmed (cub	ic yds): /27/
sections)	Other		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite <u>X</u>	Offsite	
General Description of F Removed con 13 to get 1 13 to get 1 Ground Water Encounter	taminated soil	from all four bend space	rending
Final Pit Closure	Sample Location North	- 1 = /1	nd West
Sampling:	side	coalls!	
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth $\frac{1.5}{}$	77 Sample time	1601
	Sample Results		
Soil:	Benzene (ppm) \mathcal{ND}	Water: Benzene	(ppb)
	Total BTEX (ppm <u>0.063</u>	Toluene —	(ppb)
	Field headspace (ppm) & 9.	Y	zene (ppb)
	TPH <u>\V_D</u> ppm Method	8015 Total Xyle	enes (ppb)
Ground Water Sampi	e: Yes No	(If yes, attac	h sample results)
I HEREBY CERTIFY THA	AT THE INFORMATION ABOVE IS	TRUE AND COMPLETE TO	THE BEST OF MY
DATE 10/		INTED NAME Ronald A.	Dedrick
SIGNATURE Rone	old A Deduck A	ND TITLE Environment	al Technician II
AFTER REVIEW OF TH	IE PIT CLOSURE INFORMATION, E TRIBE PIT CLOSURE ORDINAN	PIT CLOSURE IS APPROVI CE.	ED IN ACCORDANCE
APPROVED: YES	NO (REAS	ON): Spray &	close
SIGNED: Lew	C Mamb	ATE: 10-14-9)

Sicarilla Contract 147-1 Sec. & TABN RSW WhitA Filmaco











OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

8-Oct-97

Company: PNM Gas Services

COC No.:

5612

Address:

603 W. Elm

Sample No.:

16495

City, State: Farmington, NM 87401

Job No.:

2-1000

PNM Gas Services - Jicarilla Contract 147-1

Project Name: Project Location:

9709301601; 4pt. Composite

Date:

30-Sep-97 Time:

16:01

Sampled by: Analyzed by: PΑ DC/HR

Date:

3-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)	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0555-STD

Continuing Calibration Verification

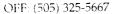
outstand the second sec							
	Method	Unit of	True	Analyzed		RPD	
Parameter	Blank	Measure	Value	Value	RPD	Limit	
Diesel Range (C10 - C28)	ND	ppm	200	212	6.0	15%	

Matrix Saika

iviaurix Spike	7 <u> </u>				
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	85	99	(70-130)	14	20%

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

Approved by: Date: 10/6/97





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

6-Oct-97

Company: PNM Gas Services

COC No.:

5612

Address:

603 W. Elm

Sample No.:

16495

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-1

Project Location:

9709301601; 4pt. Composite

Date:

30-Sep-97 Time:

16:01

Sampled by: Analyzed by: PΑ DC

3-Oct-97 Date:

Sample Matrix:

Soil

Laboratory Analysis

Parameter		Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
raidiletei					
Benzene		ND	ug/kg	2	ug/kg
Toluene		6	ug/kg	2	ug/kg
Ethylbenzene		4	ug/kg	2	ug/kg
m,p-Xylene		38	ug/kg	2	ug/kg
o-Xylene		15	ug/kg	2	ug/kg
	TOTAL	63	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 (Am	1 <i>さ</i> (こ) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 874	401	
Facility or Well Name:	Contract 147-1	. TV-741-75
Location: Unit: /- Sec.	8 T. <u>25 N</u> R. <u>5 W</u>	County Rio Arriba
Land Type: Jicarilla Apache		
Date Remediation Started: $9/36/97$	Date Completed: /	0/24/97
Remediation Method: Landfarmed	Approx. cubic yards	271
CompostedOther		
Depth to Ground Water: (pts.)	Final C	Closure Sampling:
Distance to an Ephemeral Stream: (pts.)	Sampling Date: 10	23)97 Time 1012
Distance to Nearest Lake, Playa, (pts.) or Watering Pond:		
Wellhead Protection Area: (pts.)	Field Headspace (ppr	
Distance to Surface Water: (pts.)		m) <u>41</u> Method <u>8075</u>
Ranking Score (Total Points):	Other	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE	E IS TRUE AND COMPLETE TO THE BEST OF	MY KNOWLEDGE AND BELIEF
DATE 10/27/97	PRINTED NAME	Roy Burnham
SIGNATURE Roy Burnham	PRINTED NAME AND TITLE Environmental Te	echnician II
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION STATEMENT OF THE SOIL REMEDIATION INFORMATION OF THE SOIL REMEDIATION OF THE	MATION, ON-SITE REMEDIATION APPROVED	IN ACCORDANCE TO THE
APPROVED: YES NO	REASON) LIBE OS BOICK	¢; /
SIGNED: Law (1)	DATE: 10-28-9	7

1201 23.5 ppm 38.8664 300' 25,1 ppm 9.1000 13.1 ppm 10.4 ppm



OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

26-Oct-97

Company: PNM Gas Services

COC No.:

5624

Address:

Sample No.:

603 W. Elm

16665

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-1 Landfarm

Project Location:

9710231012; 6pt. Composite RB

Date:

23-Oct-97 Time:

10:12

Sampled by: Analyzed by:

DC

Date:

24-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)	41	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	216	7.7	15%

Matrix Spike

Wild IIX Opine	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	79	101	(70-130)	16	20%

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

Approved by: Date: 10/26/57