DEPUTY OIL & GAS INSPECTOR

The state of the s

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

JUN 23 1998

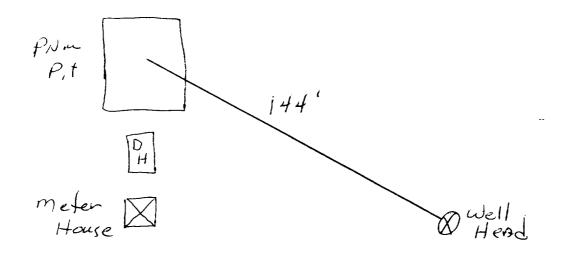
P.O. BOX 507 DULCE, NEW MEXICO 87528 SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

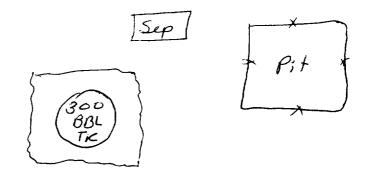
PIT REMEDIATION AND CLOSURE REPORT

and the state of t	
Operator: PNM Gas Services (Pmoco) Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401	
Facility or Well Name:	
Location: Unit: K Sec. 5 T. 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 (Attach diagram) Reference: wellhead X other	<u>5′</u>
Footage from reference: 144	
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) [DECEIVED Softes (10 points)] [Comparison of the property of the prop	0
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all	0
Office (20 points) Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) Office (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 Greater than 100 feet (0 points)	
RANKING SCORE (TOTAL POINTS):	0

Date Remediation Started	: $\frac{9/23/97}{\sqrt{23/97}}$ Date Completed: $\frac{11/19/9}{\sqrt{23}}$
Remediation Method:	Excavation Approx. Cubic Yards 145
(Check all appropriate	Landfarmed
sections)	Other
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite Offsite
Removed co	emedial Action: Internated soil from All four side aget a helow 100 ppm head space ofton 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 $\frac{1}{4}$ / Sample date $\frac{9}{23}/9$ / Sample time $\frac{1}{53}$ / Sample time $\frac{1}{53}$
	Sample Results
Soil: E	Benzene (ppm) Water: Benzene (ppb)
1	Total BTEX (ppm <u>A C C 3</u> Toluene (ppb)
F	Field headspace (ppm) 84. Ethylbenzene (ppb) Total Xylenes (ppb)
7	TPH Method Ppm Method Potal Aylenes (ppb)
Ground Water Sample	e: Yes NoX (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 BELIEF
DATE $\frac{7}{3}$	PRINTED NAME Ronald A. Dedrick
SIGNATURE Kan	AND TITLE Environmental Technician II
	E PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TRIBE PIT CLOSURE ORDINANCE.
APPROVED: YES	(REASON): Sprzy & closy
SIGNED:	- Man. DATE: 9-30-47

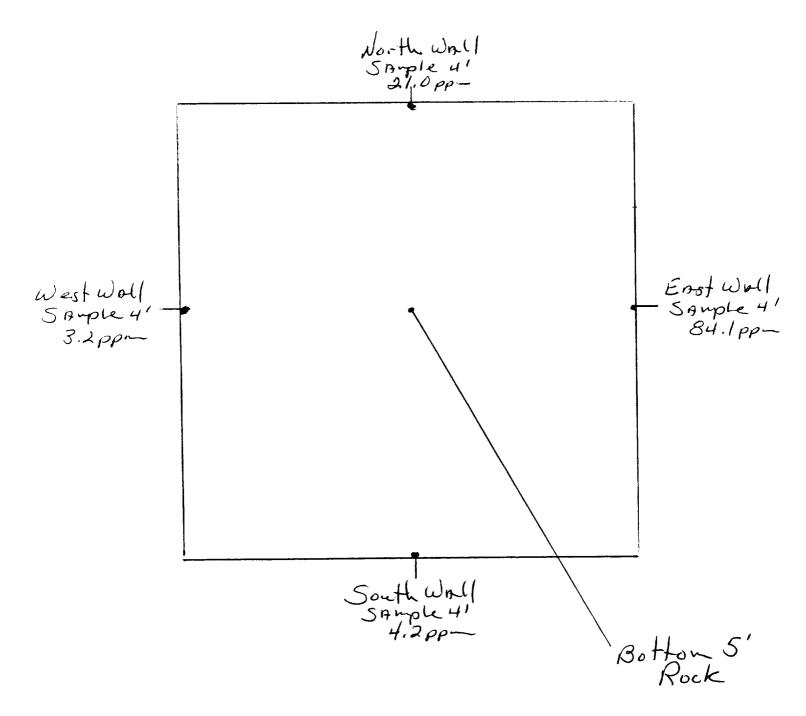
Jicarilla Contract 147-2 Sec. 5 T25 N RSW Unit K HMOCO





Jicarilla Contract 147.2 Sec 5 T25N RSW Unitk Amoco

28 x 28 x 5



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.:

16332

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-2

Project Location:

9709231537; 4pt. Composite

TN

Date:

23-Sep-97 Time:

15:37

Sampled by: Analyzed by:

HR/DC

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%

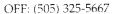
Matrix Spike

Muthx Opin	_				
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	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





LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

30-Sep-97

Company: PNM Gas Services

COC No.:

55**9**3

Address:

603 W. Elm

16332

Sample No.:

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-2

Project Location:

9709231537; 4pt. Composite TN

Date:

23-Sep-97 Time:

15:37

Sampled by: Analyzed by:

DC

Date:

28-Sep-97

Sample Matrix:

Soil

Laboratory Analysis

		Results	Unit of	Limit of	Unit of
Parameter	· · · · · · · · · · · · · · · · · ·	as Received	Measure	Quantitation	Measure
Benzene		ND ND	ug/kg	1	ug/kg
Toluene		ND	ug/kg	1	ug/kg
Ethylbenzene		1	ug/kg	1	ug/kg
m,p-Xylene		2	ug/kg	1	ug/kg
o-Xylene		ND	ug/kg	1	ug/kg
	TOTAL	3	ug/kg	_	

ND - Not Detected at Limit of Quantitation

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

Approved by:

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: Tichrilla Contract 147-2
Location: Unit: K Sec. 5 T. 25 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache
Date Remediation Started: 9/23/92 Date Completed: 1/1/3/97 Remediation Method: Landfarmed X Approx. cubic yards 1/45 Composted Other
Depth to Ground Water: (pts.) Final Closure Sampling:
Distance to an Ephemeral Stream: (pts.) Sampling Date: 1/1/2/97 Time 1/50
Distance to Nearest Lake, Playa, (pts.) Sampling Results:
Wellhead Protection Area: (pts.) Field Headspace (ppm) 289
Distance to Surface Water: (pts.) TPH (ppm) 47 Method 80/5 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 ////6/9) PRINTED NAME Ronald A. Dedrick
SIGNATURE Randa Deducts AND TITLE Environmental Technician II
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 (REASON) USO QD BOOK (INC.)
SIGNED:

Jicarilla Contact 147-2 Sec. 5 T25N RSW Unit K Homoco

LAndfarm

28.9pp 3.5pp 17.2pp 42'
4.0pp 1.3pp 24'

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Denver Bearden Attn:

Date: 13-Nov-97

Company: PNM Gas Services

COC No.:

5637

603 W. Elm Address:

Sample No.:

16862

City, State: Farmington, NM 87401

Job No.: 2-1000

Project Name:

PNM Gas Services - Jicarilla Contract 147-2 Landfarm

Project Location:

9711121150; 5pt. Composite

Sampled by:

RB

Date:

12-Nov-97 Time:

11:50

Analyzed by: Sample Matrix: DC/HR Soil

Date:

13-Nov-97

Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	47	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 Spike

matrix opik	<u> </u>				
	1- Percent	2 - Percent	Ì		RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	91	90	(70-130)	11	20%

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

Approved by: