

DEPUTY OIL & GAS INSPECTOR

FEB 28 1997

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

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NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

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ADMINISTRATION
OCT 3 1 1956

01L 001 DIV

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Jicarilla 103-12M Drip (Worth)			
Location:	Unit: I	Sec. 17	T. 26 N R. 4 W County Rio Arriba
Pit Type:	Separator	Dehydrator	Other Line Drip
Land Type: Jicarilla Apache			

Pit Location:	Pit dimensions:	length 32'	width 31'	depth 18'
(Attach diagram)	Reference:	wellhead	other Drip Riser	
	Footage from reference:	18'		
	Direction from reference:	60	Degrees	East North
				West ← South

Depth to Ground Water: <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>	Less than 50 feet	(20 points)	<input checked="" type="checkbox"/>
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 points)	
Wellhead Protection Area: <small>(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)</small>	Yes	(20 points)	<input checked="" type="checkbox"/>
	No	(0 points)	
Distance to Surface Water: <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>	Less than 200 feet	(20 points)	<input checked="" type="checkbox"/>
	200 feet to 1,000 feet	(10 points)	
	Greater than 1,000 feet	(0 points)	
Distance to Ephemeral Stream (dry wash): <small>(Horizontal distance to all downgradient streams having a width of at least 10 feet)</small>	Less than or equal to 100 feet	(10 points)	<input checked="" type="checkbox"/>
	Greater than 100 feet	(0 points)	
Distance to Nearest Lake, Playa, or Watering Pond: <small>(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)</small>	Less than or equal to 100 feet	(10 points)	<input checked="" type="checkbox"/>
	Greater than 100 feet	(0 points)	
RANKING SCORE (TOTAL POINTS):			<input checked="" type="checkbox"/>

Date Remediation Started: 8/6/96 Date Completed: 9/5/96

Remediation Method: Excavation X Approx. Cubic Yards 661

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds): 661

Other _____

Remediation Location: Onsite _____ Offsite Jicarilla ¹⁰³⁻ 12m Location

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed contaminated soil from all four walls and pit bottom as to get it below 100 ppm head space reading.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample Location North, East, South, West side walls and bottom of pit.

Sample depth 18'

Sample date 8/7/96 Sample time 1040

Sample Results

Soil: Benzene (ppm) _____ Water: Benzene (ppb) _____

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 20.5 Ethylbenzene (ppb) _____

TPH <5.0 ppm Method 8015 Total Xylenes (ppb) _____

Ground Water Sample: Yes _____ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE 8/11/96 PRINTED NAME Ronald A. Dedrick

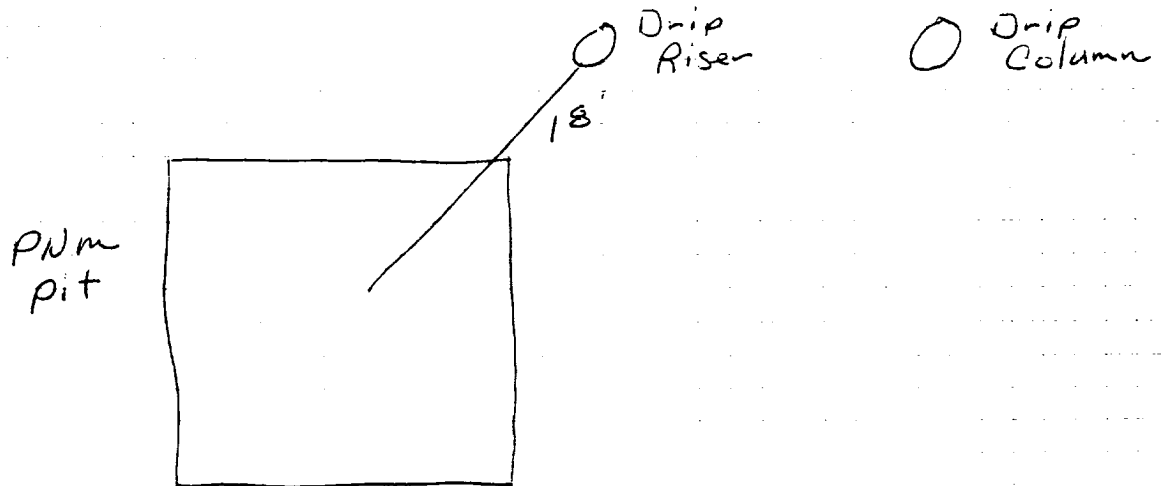
SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES ✓ NO _____ (REASON): Conditional

SIGNED: Karena Castilleo DATE: August 17, 1996

Jicarilla 103-12M Drip (North)
Sec. 17 T26N R4W
WFS



OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *9-Aug-96*
COC No.: *4832*
Sample No. *11701*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla 103-¹²BM Drip (North) Run 12-51*
Project Location: *9608071040; 5pt. Composite*
Sampled by: *RD* Date: *7-Aug-96* Time: *10:40*
Analyzed by: *DC* Date: *9-Aug-96*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i><5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: 0479-QC

Calibration Check

<i>Parameter</i>	<i>Method Blank</i>	<i>Unit of Measure</i>	<i>True Value</i>	<i>Analyzed Value</i>	<i>% Diff</i>	<i>Limit</i>
<i>Diesel Range (C10 - C28)</i>	<i><5.0</i>	<i>ppm</i>	<i>100</i>	<i>99</i>	<i>1.1</i>	<i>15%</i>

Matrix Spike

<i>Parameter</i>	<i>1 - Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
<i>Diesel Range (C10-C28)</i>	<i>96</i>	<i>91</i>	<i>(70-130)</i>	<i>4</i>	<i>20%</i>

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

Approved by: *JAG*
Date: *8/9/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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: <u>PNM Gas Services (LIFS)</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Jicarilla 103-12M Drip (North)</u>	
Location: Unit: <u>I</u> Sec. <u>17</u> T. <u>26</u> N. R. <u>4</u> W. County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>8/6/96</u> Date Completed: <u>9/5/96</u>	
Remediation Method: Landfarmed <u>X</u> Approx. cubic yards <u>661</u> Composted <u> </u> Other <u> </u>	
Depth to Ground Water: (pts.) <u>0</u> Distance to an Ephemeral Stream: (pts.) <u>0</u> Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>0</u> Wellhead Protection Area: (pts.) <u>0</u> Distance to Surface Water: (pts.) <u>0</u> Ranking Score (Total Points): <u>0</u>	Final Closure Sampling: Sampling Date: <u>8/28/96</u> Time <u>1118</u> Sampling Results: Field Headspace (ppm) <u>0.0</u> TPH (ppm) <u><5.0</u> Method <u>8015</u> Other <u> </u>
<p>I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF</p> <p>DATE <u>9/2/96</u> PRINTED NAME <u>Ronald A. Dedrick</u></p> <p>SIGNATURE <u>Ronald A. Dedrick</u> AND TITLE <u>Environmental Technician II</u></p>	
<p>AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE</p> <p>APPROVED: YES <u>X</u> NO <u> </u> (REASON) <u> </u></p> <p>SIGNED: <u>[Signature]</u> DATE: <u>9-3-96</u></p>	

OFF: (505) 325-5667



LAB: (505) 325-1556

Diesel Range Organics

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *30-Aug-96*
COC No.: *4772*
Sample No. *11936*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla 103-12M Drip North Landfarm Run 12-51*
Project Location: *9608281118; 5pt. Composite*
Sampled by: *RD* Date: *28-Aug-96* Time: *11:18*
Analyzed by: *DC/HR* Date: *30-Aug-96*
Sample Matrix: *Soil*

Laboratory Analysis

<i>Parameter</i>	<i>Result</i>	<i>Unit of Measure</i>	<i>Detection Limit</i>	<i>Unit of Measure</i>
<i>Diesel Range Organics (C10 - C28)</i>	<i>< 5.0</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

Quality Assurance Report

DRO QC No.: 0489-QC

Calibration Check

<i>Parameter</i>	<i>Method Blank</i>	<i>Unit of Measure</i>	<i>True Value</i>	<i>Analyzed Value</i>	<i>% Diff</i>	<i>Limit</i>
<i>Diesel Range (C10 - C28)</i>	<i>< 5.0</i>	<i>ppm</i>	<i>100</i>	<i>106</i>	<i>6.4</i>	<i>15%</i>

Matrix Spike

<i>Parameter</i>	<i>1 - Percent Recovered</i>	<i>2 - Percent Recovered</i>	<i>Limit</i>	<i>%RSD</i>	<i>Limit</i>
<i>Diesel Range (C10-C28)</i>	<i>104</i>	<i>96</i>	<i>(70-130)</i>	<i>5</i>	<i>20%</i>

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

Approved by: *[Signature]*
Date: *8/30/96*

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Jicarilla 103-12M Drip (North)
Sec. 17 T26N R4W
WFS

Land Farm

