

Denny E. Foust
DEPUTY OIL & GAS INSPECTOR

MAR 28 1997

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

Approved
PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>PNM Gas Services (Conoco)</u>		Telephone: <u>324-3764</u>
Address: <u>603 W. Elm Street Farmington, NM 87401</u>		
Facility or Well Name: <u>Jicarilla E-15</u>		
Location:	Unit: <u>L</u>	Sec. <u>16</u> T. <u>26</u> N R. <u>4</u> W County <u>Rio Arriba</u>
Pit Type:	<u>2</u> Separator <input checked="" type="checkbox"/> Dehydrator <input type="checkbox"/> Other <input type="checkbox"/>	
Land Type:	<u>Jicarilla Apache</u>	

Pit Location:	Pit dimensions:	length <u>37'</u>	width <u>27'</u>	depth <u>24'</u>
(Attach diagram)	Reference:	wellhead <input checked="" type="checkbox"/> other <input type="checkbox"/>		
	Footage from reference:	<u>120'</u>		
	Direction from reference:	<u>25</u> Degrees	East <input type="checkbox"/> North <input type="checkbox"/>	
			West <input type="checkbox"/> South <input type="checkbox"/>	

Depth to Ground Water: <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>	Less than 50 feet	(20 points)	<u>0</u>
	50 feet to 99 feet	(10 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)	<u>0</u>
	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)	
	200 feet to 1,000 feet	(10 points)	<u>0</u>
	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)	<u>10</u>
	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)	<u>0</u>
	Greater than 100 feet	(0 points)	
RANKING SCORE (TOTAL POINTS):			<u>10</u>

Date Remediation Started: 8/7/96 Date Completed: 8/28/96
Remediation Method: Excavation X Approx. Cubic Yards 888

(Check all appropriate sections)
Landfarmed X Amount Landfarmed (cubic yds): 580
Other _____

Remediation Location: Onsite _____ Offsite TNT Land farm
(i.e., landfarmed onsite, name and location of offsite facility) Schmitz Ranch, N.M.

General Description of Remedial Action:

Removed contaminated soil from all four side walls and pit bottom as to get a 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 24'

Sample date 8/8/96 Sample time 1330

Sample Results

Soil: Benzene (ppm) 0.1746 Water: Benzene (ppb) _____

Total BTEX (ppm) 12.2904 Toluene (ppb) _____

Field headspace (ppm) 173 / Resample 8/12/96 0.300 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

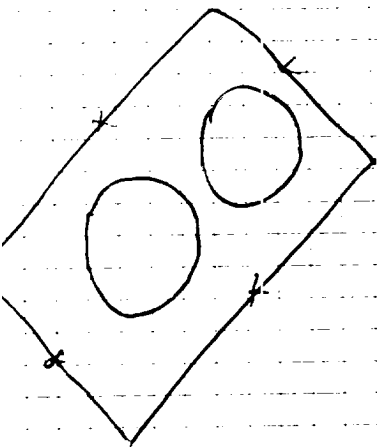
SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

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

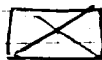
APPROVED: YES ✓ NO _____ (REASON): _____

SIGNED: [Signature] DATE: 8/2/96

Jicarilla E-15
Sec. 16 T26N R4W
Conoco

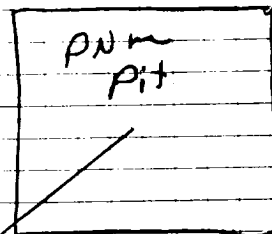


Meterhouses



SEP

SEP



120'



SEP

SEP

Cont

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.: *4836*
 Sample No. *11710*
 Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla E-15 (West Wall) Run 12-51*
 Project Location: *9608081330; Grab*
 Sampled by: *PA* Date: *8-Aug-96* Time: *13:30*
 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 ReportDRO 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: *[Signature]*
 Date: *8/9/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

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

Date: *9-Aug-96*
COC No.: *4836*
Sample No. *11710*
Job No. *2-1000*

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Project Location: *9608081330; Grab*

Sampled by: *PA* Date: *8-Aug-96* Time: *13:30*

Analyzed by: *DC* Date: *9-Aug-96*

Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene	174.6	ug/kg	0.2	ug/kg
Toluene	633.2	ug/kg	0.2	ug/kg
Ethylbenzene	509.5	ug/kg	0.2	ug/kg
m,p-Xylene	8857.3	ug/kg	0.2	ug/kg
o-Xylene	2115.8	ug/kg	0.2	ug/kg
TOTAL		12290.4	ug/kg	

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

Approved by: *[Signature]*
Date: *8/9/96*

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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.: *4835*
Sample No. *11709*
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla E-15 Run 12-51*
Project Location: *9608081330; 4pt. Composite*
Sampled by: *PA* Date: *8-Aug-96* Time: *13:30*
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

LRO 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: *[Signature]*
Date: *8/9/96*

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Analyzed by: *DC* Date: *9-Aug-96*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Benzene	0.7	ug/kg	0.2	ug/kg
Toluene	2.5	ug/kg	0.2	ug/kg
Ethylbenzene	1.0	ug/kg	0.2	ug/kg
m,p-Xylene	3.5	ug/kg	0.2	ug/kg
o-Xylene	3.7	ug/kg	0.2	ug/kg
TOTAL		11.4		ug/kg

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

Approved by: *[Signature]*
Date: *8/9/96*

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