

*Denny E. Faust*  
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

FEB 28 1997

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507  
DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO  
NATURAL  
RESOURCE DEPT  
AND OIL GAS  
ADMINISTRATION

RECEIVED  
OCT 31 1999

PIT REMEDIATION AND CLOSURE REPORT

OIL & GAS DIV.

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

Pit Location: Pit dimensions: length *10* width *10* depth *7*  
(Attach diagram) Reference: wellhead *X* other \_\_\_\_\_  
Footage from reference: *108'*  
Direction from reference: *45* Degrees \_\_\_\_\_ East \_\_\_\_\_ North \_\_\_\_\_  
\_\_\_\_\_ West \_\_\_\_\_ South \_\_\_\_\_

**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)

*0*

**Wellhead Protection Area:**

(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)

Yes (20 points)  
No (0 points)

*0*

**Distance to Surface Water:**

(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

Less than 200 feet (20 points)  
200 feet to 1,000 feet (10 points)  
Greater than 1,000 feet (0 points)

*10*

**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)

*0*

**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)

*0*

RANKING SCORE (TOTAL POINTS):

*10*

Date Remediation Started: 8/7/96 Date Completed: 9/5/96

Remediation Method: Excavation X Approx. Cubic Yards 26

(Check all appropriate sections)

Landfarmed \_\_\_\_\_ Amount Landfarmed (cubic yds): 0

Other \_\_\_\_\_

Remediation Location: Onsite \_\_\_\_\_ Offsite \_\_\_\_\_

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

General Description of Remedial Action:

Removed 26 cu. yds. of soil from this excavation  
No contamination found.

Ground Water Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit Closure Sampling:

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

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

Sample depth 7'

Sample date 8/7/96 Sample time 1145

Sample Results

Soil: Benzene (ppm) \_\_\_\_\_ Water: Benzene (ppb) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_ Toluene (ppb) \_\_\_\_\_

Field headspace (ppm) 15.8 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 9/11/96

PRINTED NAME Ronald A. Dedrick

SIGNATURE Ronald A. Dedrick

AND TITLE Environmental Technician II

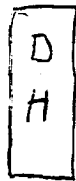
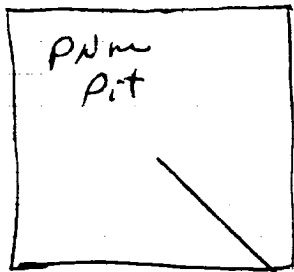
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES ✓ NO \_\_\_\_\_ (REASON): \_\_\_\_\_

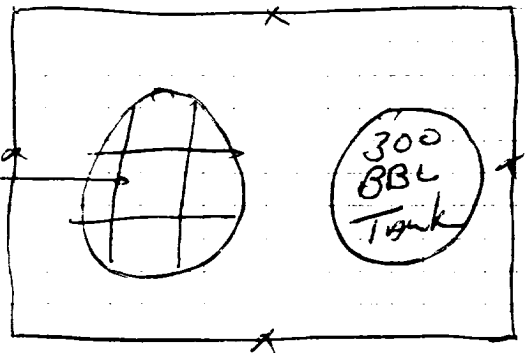
SIGNED: Karena Castilleo DATE: August 12, 1996

Jicarilla 103-12M  
Sec. 17 T26N R4W  
Meridian

meter house



SEP



108'



well head

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.: *4833*  
Sample No. *11702*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla 103-12M Run 12-51*  
Project Location: *9608071145; 5pt. Composite*  
Sampled by: *RD* Date: *7-Aug-96* Time: *11:45*  
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>&lt;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>&lt;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: *JG*  
Date: *8/9/96*

P.O. BOX 2606 • FARMINGTON, NM 87499

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