

DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE  
ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507  
DULCE, NEW MEXICO 87528

FEB 28 1997

SUBMIT COPY TO

NATURAL RESOURCE DEPT

AND OIL & GAS ADMINISTRATION

OCT 31 1996

OIL CON. DIV.  
DIST. 3

**PIT REMEDIATION AND CLOSURE REPORT**

Operator: PNM Gas Services Telephone: 324-3763  
Address: 603 W. Elm Farmington, N. Mex.  
Facility or Well Name: Jicarilla J-23A (Meridian)  
Location: Unit or Qtr/Qtr Sec J S. 25 T. 26N R. 5W County Rio Arriba  
Pit Type: Separator ☒ Dehydrator ☐ Other ☐  
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 24', width 24', depth 10'  
(Attach diagram)  
Reference: wellhead ☒ other ☐  
Footage from reference: 75'  
Direction from reference: 45 Degrees ☐ East ☐ North  
of ☐ West ☒ South of west

**Depth To Groundwater:**

(Vertical distance from  
contaminants to seasonal  
high water elevation of  
groundwater)

Less than 50 feet	(20 points)
50 feet to 99 feet	(10 points)
Greater than 100 feet	(0 points) <u>0</u>

**Distance to an Ephemeral Stream**

(Downgradient dry wash greater than  
ten feet in width)

Less than 100 feet	(10 points)
Greater than 100 feet	(0 points) <u>0</u>

**Distance to Nearest Lake, Playa, or Watering Pond**

(Downgradient lakes, playas and  
livestock or wildlife watering ponds)

Less than 100 feet	(10 points)
Greater than 100 feet	(0 points) <u>0</u>

**Wellhead Protection Area:**

(Less than 200 feet from a private  
domestic water source, or: less than  
1000 feet from all other water sources)

Yes	(20 points)
No	(0 points) <u>0</u>

**Distance To Surface Water:**

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

Less than 100 feet	(20 points)
100 feet to 1000 feet	(10 points)
Greater than 1000 feet	(0 points) <u>0</u>

**RANKING SCORE (TOTAL POINTS):** 0

Date Remediation Started: 7/24/96 Date Completed: 9/5/96  
Remediation Method: Excavation ☒ Approx. cubic yards 213  
(Check all appropriate sections) Landfarmed ☒ 213 cu yds.

Other \_\_\_\_\_

Remediation Location: Onsite ☒ Offsite \_\_\_\_\_  
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Removed contaminated soil from all 4 walls and pit bottom as to get a below 100 ppm head space reading.

Groundwater Encountered: No ☒ Yes \_\_\_\_\_ Depth: \_\_\_\_\_

Final Pit: Sample location North, East, South, West  
Closure Sampling: side walls and pit bottom.  
(if multiple samples, attach sample results and diagram of sample locations and depths) Sample depth 10'  
Sample date 7/24/96 Sample time 1430

Sample Results

Soil: Benzene (ppm)	_____	Water: Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	<u>94.5</u>	Ethylbenzene (ppb)	_____
TPH 8015 (ppm)	<u>&lt;5.0</u>	Total Xylenes (ppb)	_____

Groundwater Sample: Yes \_\_\_\_\_ No ☒ (If yes, attach sample results)

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

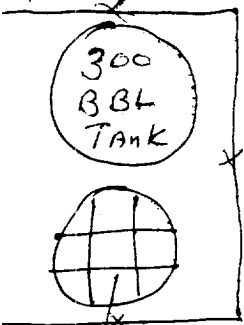
DATE 7/24/96 PRINTED NAME Ronald A. Dedrick  
SIGNATURE Ronald A. Dedrick AND TITLE E.T.

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

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

SIGNED: Ronald A. Dedrick DATE: 7/31/96

Ticahaville J-23A  
Sec 25 T26N R5W  
Meridian



SEP

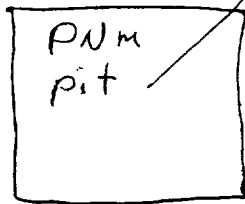
Well head



75'



Meter House



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: *29-Jul-96*  
COC No.: *4804*  
Sample No. *11610*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla J23A Run 12-01*

Project Location: *9607241430; 5pt. Composite*

Sampled by: *EP* Date: *24-Jul-96* Time: *14:30*

Analyzed by: *DC* Date: *26-Jul-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>2,000</i>	<i>1,977</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>109</i>	<i>99</i>	<i>(70-130)</i>	<i>7</i>	<i>20%</i>

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

Approved by: *[Signature]*  
Date: *7/29/96*

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: PNM Gas Services Telephone: 324-3763  
Address: 603 W. Elm Farmington, N. Mex. 87401  
Facility or Well Name: Jicarilla J-23A (Meridian)  
Location: Unit or Qtr/Qtr Sec J Sec 25 T26N R5W County Rio Arriba  
Land Type: Jicarilla Apache

Date Remediation Started: 7/24/96 Date Completed: 8/20/96  
Remediation Method: Landfarmed X Approx. cubic yards 213  
Composted         
Other       

Depth To Groundwater: (pts.) 0  
Distance to an Ephemeral Stream (pts.) 0  
Distance to Nearest Lake, Playa, or Watering Pond (pts.) 0  
Wellhead Protection Area: (pts.) 0  
Distance To Surface Water: (pts.) 0  
RANKING SCORE (TOTAL POINTS): 0

**Final Closure Sampling:**  
Sampling Date: 8/20/96 Time: 1821  
Sample Results:  
Field Headspace (ppm) 88.5  
TPH (ppm) 944 Method 8015  
Other       

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

DATE 8/25/96 PRINTED NAME Ronald A Dedrick  
SIGNATURE Ronald A Dedrick AND TITLE E.T.

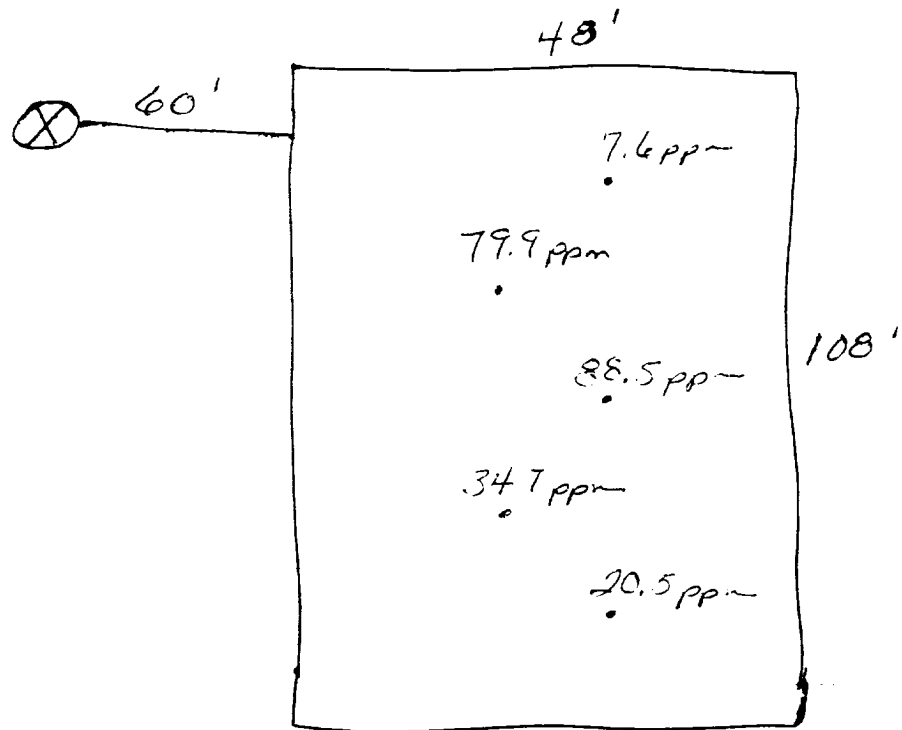
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO        (REASON)       

SIGNED: Kurt C. Mamm DATE: 8-26-96

Ticarrilla J-23A  
Sec. 25 T26N R5W  
Meridian

Land Farm



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: *23-Aug-96*  
COC No.: *4847*  
Sample No. *11857*  
Job No. *2-1000*

Project Name: ***PNM Gas Services - Jicarilla J-23A Landfarm Run 12-01***  
Project Location: ***9608201821; 5pt. Composite***  
Sampled by: *RD* Date: *20-Aug-96* Time: *18:21*  
Analyzed by: *DC/HR* Date: *22-Aug-96*  
Sample Matrix: *Soil*

***Laboratory Analysis***

<b><i>Parameter</i></b>	<b><i>Result</i></b>	<b><i>Unit of Measure</i></b>	<b><i>Detection Limit</i></b>	<b><i>Unit of Measure</i></b>
<b><i>Diesel Range Organics (C10 - C28)</i></b>	<i>944.4</i>	<i>mg/kg</i>	<i>5.0</i>	<i>mg/kg</i>

***Quality Assurance Report***

*DRO QC No.: 0489-QC*

***Calibration Check***

<b><i>Parameter</i></b>	<b><i>Method Blank</i></b>	<b><i>Unit of Measure</i></b>	<b><i>True Value</i></b>	<b><i>Analyzed Value</i></b>	<b><i>% Diff</i></b>	<b><i>Limit</i></b>
<b><i>Diesel Range (C10 - C28)</i></b>	<i>&lt;5.0</i>	<i>ppm</i>	<i>100</i>	<i>104</i>	<i>3.9</i>	<i>15%</i>

***Matrix Spike***

<b><i>Parameter</i></b>	<b><i>1- Percent Recovered</i></b>	<b><i>2 - Percent Recovered</i></b>	<b><i>Limit</i></b>	<b><i>%RSD</i></b>	<b><i>Limit</i></b>
<b><i>Diesel Range (C10-C28)</i></b>	<i>88</i>	<i>101</i>	<i>(70-130)</i>	<i>10</i>	<i>20%</i>

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

Approved by: *DCG*  
Date: *8/23/96*

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