

*Denny E. Faust*  
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE  
ENVIRONMENTAL PROTECTION OFFICE  
P.O. BOX 507  
DULCE, NEW MEXICO 87528

SUBMIT COPY TO  
NATURAL RESOURCE DEPT.  
AND OIL & GAS ADMINISTRATION

FEB 28 1997

RECEIVED  
OCT 31 1999

OIL & GAS DIV.

*Approved*

PIT REMEDIATION AND CLOSURE REPORT

Operator: PJM Gas Services Telephone: 324-3763  
Address: 603 W. Elm Farmington, N. Mex. 87401  
Facility or Well Name: Jicarilla J-8 (Meridian)  
Location: Unit or Qtr/Qtr Sec D Sec 25 T 26N R 5W County Rio Arriba  
Pit Type: Separator  Dehydrator  Other   
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 37', width 37', depth 15'  
(Attach diagram)  
Reference: wellhead , other   
Footage from reference: 171'  
Direction from reference: 30 Degrees  East North of East  
 West  South

**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) 0

**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) 0

**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) 0

**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) 0

**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) 0

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

Date Remediation Started: 7/23/96 Date Completed: 7/31/96

Remediation Method: Excavation  Approx. cubic yards 761  
(Check all appropriate sections) Landfarmed

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 four walls and pit bottom to a below 100 ppm head space reading.

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

Final Pit: Sample location North, East, South, West side

Closure Sampling: wall and bottom of pit.  
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 15'  
Sample date 7/23/96 Sample time 1440

Sample Results  
Soil: Benzene (ppm) \_\_\_\_\_ Water: Benzene (ppb) \_\_\_\_\_  
Total BTEX (ppm) \_\_\_\_\_ Toluene (ppb) \_\_\_\_\_  
Field Headspace (ppm) 89.3 Ethylbenzene (ppb) \_\_\_\_\_  
TPH 8015 (ppm) 423.4 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

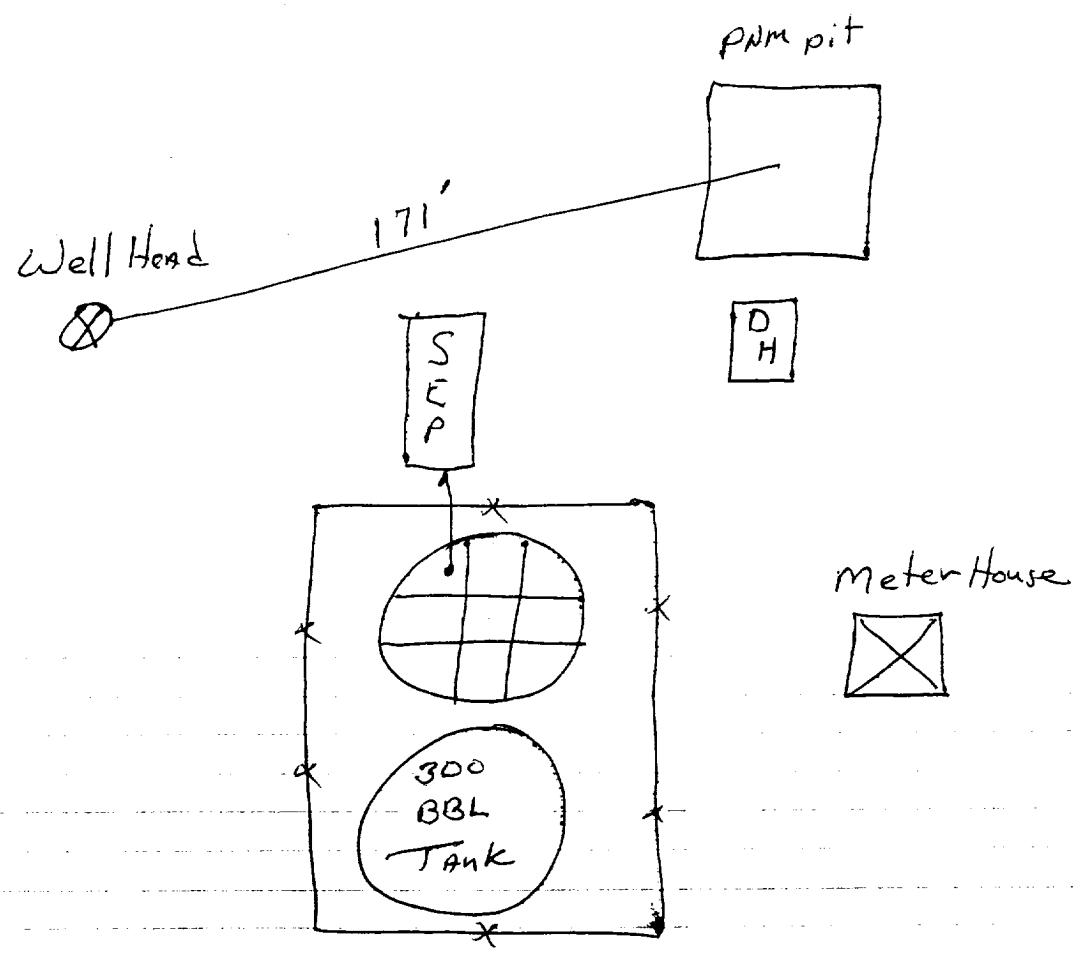
DATE 7/29/96 PRINTED NAME Ronald A. Dedrick  
SIGNATURE Ronald A. Dedrick TITLE E.T.

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: [Signature] DATE: 7/31/96

Jicarilla J-8  
Sec. 25 T26N R5W Unit D  
Meridian



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.: *4803*  
 Sample No. *11609*  
 Job No. *2-1000*

Project Name: *PNM Gas Services - Jicarilla J-8 Run 12-01*  
 Project Location: *9607231440; 5pt. Composite*  
 Sampled by: EP Date: *23-Jul-96* Time: *14:40*  
 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>423.4</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: *Jac*  
 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-8 (meridian)  
Location: Unit or Qtr/Qtr Sec D Sec 25 T 26N R 5W County Rio Arriba  
Land Type: Jicarilla Apache

Date Remediation Started: 7/23/96 Date Completed: \_\_\_\_\_  
Remediation Method: Landfarmed  Approx. cubic yards 761  
Composted \_\_\_\_\_  
Other \_\_\_\_\_

Depth To Groundwater: (pts.) <u>0</u>	<b>Final Closure Sampling:</b> Sampling Date: <u>8/28/96</u> Time: <u>1047</u> Sample Results: Field Headspace (ppm) <u>93.9</u> TPH (ppm) <u>776</u> Method <u>8015</u> Other _____
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>	

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

DATE 9/2/96 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  NO \_\_\_\_\_ (REASON) \_\_\_\_\_

SIGNED: C. M. [Signature] DATE: 9-3-96

Jicarilla J-8

Sec. 25 T26N R5W Unit D

Meridian

Land Farm

186'

111'

93.9 ppm

87.7 ppm

82.4 ppm

10.1 ppm

54.2 ppm

75

81'

42'



105'

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.: *4776*  
 Sample No. *11940*  
 Job No. *2-1000*

Project Name: *PNM Gas Sevices - Jicarilla J-8 Landfarm Run 12-11*  
 Project Location: *9608281047; 5pt. Composite*  
 Sampled by: *RD* Date: *28-Aug-96* Time: *10:47*  
 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>776.2</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>&lt;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: *Jack*  
 Date: *8/30/96*