

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Bayless) Telephone: 324-3764  
Address: 603 W. Elm Street Farmington, NM 87401  
Facility or Well Name: Rx Apache H-2  
Location: Unit: D Sec. 3-2 T. 24 N R. 5 W County Rio Arriba  
Pit Type: Separator      Dehydrator      Other Drip  
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 20 width 19 depth 20  
(Attach diagram) Reference: wellhead X other       
Footage from reference: 63  
Direction from reference: 75 Degrees      East      North       
     West      South     

Depth to Ground Water:

(Vertical distance from contaminants  
to seasonal high water elevation or  
ground water)

Less than 50 feet (20 points)  
50 feet to 99 feet (10 points)  
Greater than 100 feet (0 points)

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)

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)

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)

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)

RANKING SCORE (TOTAL POINTS):

10

Date Remediation Started: 9/26/96 Date Completed: 11-6-96

Remediation Method: Excavation X Approx. Cubic Yards 281

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds): 281

Other \_\_\_\_\_

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

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

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 pit bottom

Sample depth 20'

Sample date 9/30/96 Sample time 0820

Sample Results

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

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

Field headspace (ppm) 2.2 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 10/4/96 PRINTED NAME Ronald A. Dedrick

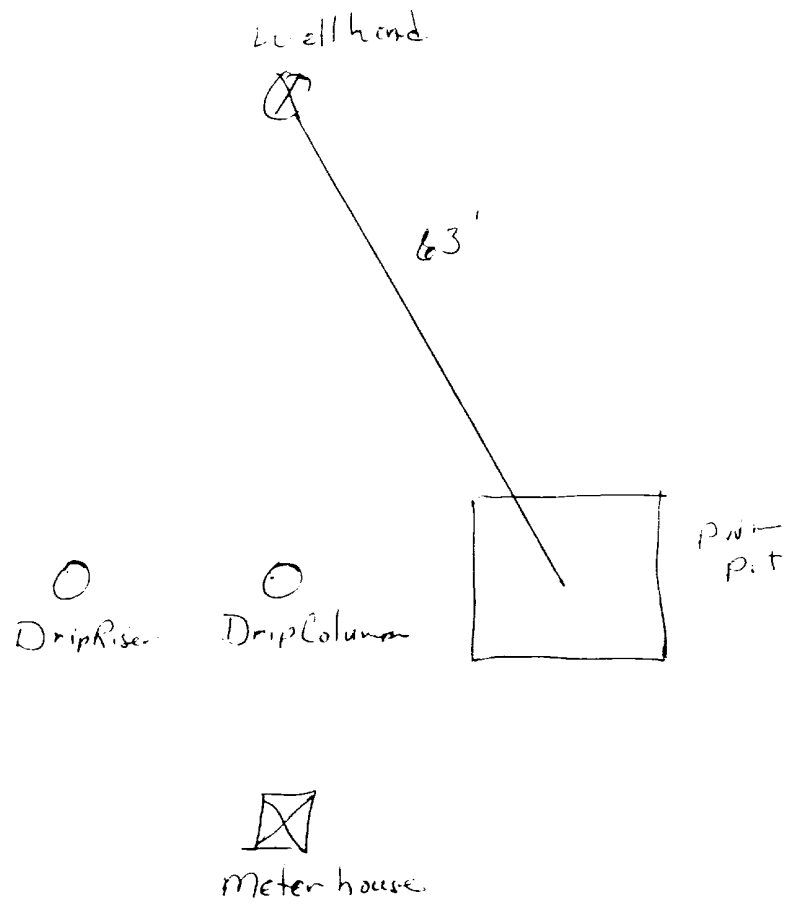
SIGNATURE Ronald A. Dedrick AND TITLE Environmental Technician II

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

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

SIGNED: Ken C. Marshall DATE: 10-7-96

Axi Apache H-2  
Sec. 32 T.24N R.5W  
Bayless



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: *4-Oct-96*  
COC No.: *5319*  
Sample No. *12416*  
Job No. *2-1000*

Project Name: *PNM Gas Services - Axi Apache H-2 Run 116*  
Project Location: *9609300820; 5pt. Composite*  
Sampled by: *EP* Date: *30-Sep-96* Time: *8:20*  
Analyzed by: *DC/HR* Date: *3-Oct-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.: 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>112</i>            | <i>12.0</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>112</i>                   | <i>103</i>                   | <i>(70-130)</i> | <i>6</i>    | <i>20%</i>   |

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

Approved by: *Daq*

Date: *10/4/96*

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

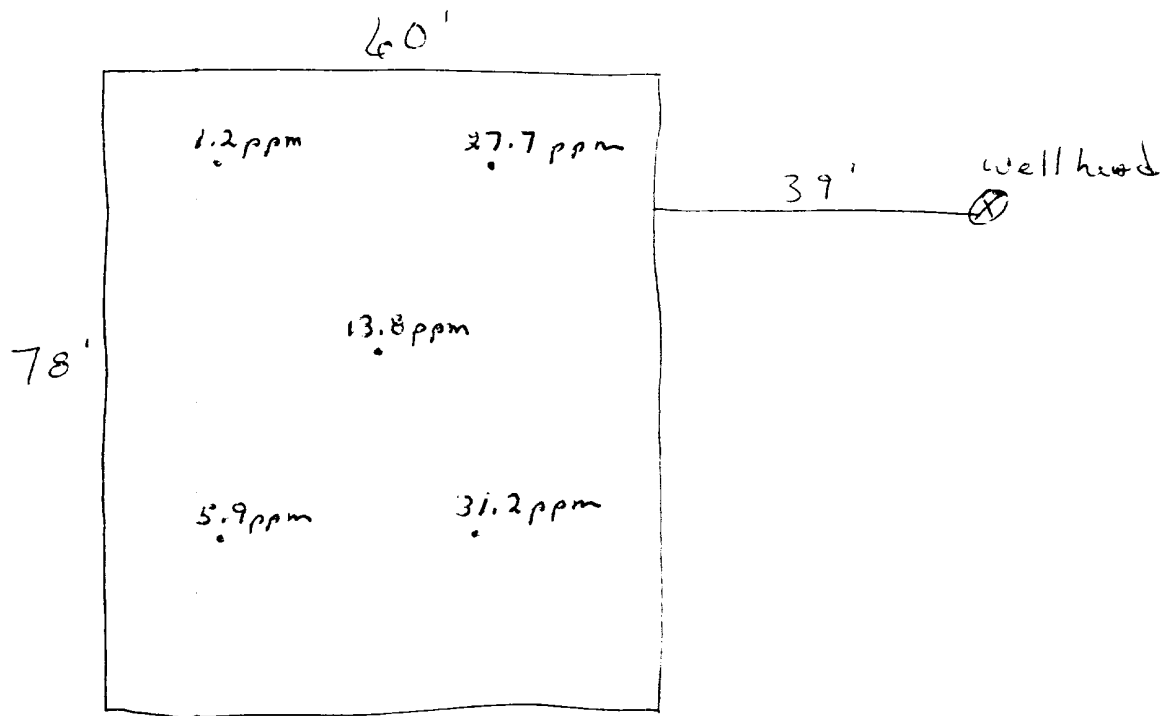
SUBMIT 1 COPY TO  
NATURAL  
RESOURCE DEPT  
AND OIL GAS  
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

|  |  |
|--|--|
| <b>Operator:</b> PNM Gas Services (Bayless) <b>Telephone:</b> 324-3764   |  |
| <b>Address:</b> 603 W. Elm Street Farmington, NM 87401   |  |
| <b>Facility or Well Name:</b> Axi Apache H-2   |  |
| <b>Location:</b>   | <b>Unit:</b> D <b>Sec.</b> 32 <b>T.</b> 24 <b>N</b> <b>R.</b> 5 <b>W</b> <b>County</b> Rio Arriba  |
| <b>Land Type:</b> Jicarilla Apache   |  |
| <b>Date Remediation Started:</b> 9/26/96 <b>Date Completed:</b> 10/15/96   |  |
| <b>Remediation Method:</b> Landfarmed <input checked="" type="checkbox"/> <b>Approx. cubic yards</b> 281   |  |
| Composted <input type="checkbox"/><br>Other <input type="checkbox"/>   |  |
| <b>Depth to Ground Water:</b> (pts.) 0   | <b>Final Closure Sampling:</b><br><br><b>Sampling Date:</b> 10/15/96 <b>Time</b> 1601<br><b>Sampling Results:</b><br><b>Field Headspace (ppm)</b> 31.2<br><b>TPH (ppm)</b> <5.0 <b>Method</b> 8015<br><b>Other</b> _____ |
| <b>Distance to an Ephemeral Stream:</b> (pts.) 10  |  |
| <b>Distance to Nearest Lake, Playa, or Watering Pond:</b> (pts.) 0   |  |
| <b>Wellhead Protection Area:</b> (pts.) 0  |  |
| <b>Distance to Surface Water:</b> (pts.) 0   |  |
| <b>Ranking Score (Total Points):</b> 10  |  |
| I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF  |  |
| <b>DATE</b> 10/16/96   | <b>PRINTED NAME</b> Roy Burnham  |
| <b>SIGNATURE</b> Roy Buenhan   | <b>AND TITLE</b> Environmental Technician II   |
| AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE |  |
| <b>APPROVED:</b> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) _____  |  |
| <b>SIGNED:</b> Gabriel Julian  | <b>DATE:</b> 10/22/96  |

Hxi Hpnche H-2  
Sec 32 T24N R5W  
Bayless

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: 17-Oct-96  
 COC No.: 5342  
 Sample No. 12593  
 Job No. 2-1000

Project Name: ***PNM Gas Services - Axi Apache H-2 Landfarm Run 116***  
 Project Location: ***9610151601; 5pt. Composite***  
 Sampled by: RB Date: 15-Oct-96 Time: 16:01  
 Analyzed by: DC/HR Date: 17-Oct-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> | < 5.0         | mg/kg                  | 5.0                    | mg/kg                  |

***Quality Assurance Report***

DRO QC No.: 0489-QC

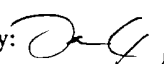
***Calibration Check***

| <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> | < 5.0               | ppm                    | 100               | 99                    | 0.7           | 15%          |

***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> | 105                          | 114                          | (70-130)     | 6           | 20%          |

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

Approved by:   
 Date: 10/17/96

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

|  |  |  |
|--|--|--|
| 1 Operator name and Address<br><br>Elm Ridge Resources, Inc.<br>P. O. Box 601299<br>Dallas, Texas 75360-1299 |  | 2 OGRID Number<br>149052                       |
|  |  | 3 Reason for Filing Code<br>Change of Operator |
| 4 API Number<br>30-039 05268   | 5 Pool Name<br>Ballard Pictured Cliffs | 6 Pool Code<br>71439                           |
| 7 Property Code  | 8 Property Name<br>AXI Apache H        | 9 Well Number<br>2                             |

II. 10 Surface Location

|                    |               |                 |              |         |                      |                           |                      |                        |                      |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|----------------------|
| UL or lot no.<br>D | Section<br>32 | Township<br>24N | Range<br>05W | Lot Idn | Feet from the<br>990 | North/South Line<br>North | Feet from the<br>990 | East/West Line<br>West | County<br>Rio Arriba |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|----------------------|

11 Bottom Hole Location

|               |                          |          |                        |         |                        |                  |                         |                |                          |
|---------------|--------------------------|----------|------------------------|---------|------------------------|------------------|-------------------------|----------------|--------------------------|
| UL or lot no. | Section                  | Township | Range                  | Lot Idn | Feet from the          | North/South Line | Feet from the           | East/West Line | County                   |
| 12 Lot Code   | 13 Producing Method Code |          | 14 Gas Connection Date |         | 15 C-129 Permit Number |                  | 16 C-129 Effective Date |                | 17 C-129 Expiration Date |

III. Oil and Gas Transporters

|                      |  |        |        |                                       |
|----------------------|--|--------|--------|---------------------------------------|
| 18 Transporter OGRID | 19 Transporter Name and Address  | 20 POD | 21 O/G | 22 POD ULSTR Location and Description |
| 25244                | Williams Gas Processing<br>Blanco, Inc.<br>P. O. Box 58900<br>Salt Lake City, UT 84158 | 530730 | G      | D - 32 - 24N - 05W                    |
|                      |  |        |        |                                       |
|                      |  |        |        |                                       |
|                      |  |        |        |                                       |
|                      |  |        |        |                                       |
|                      |  |        |        |                                       |
|                      |  |        |        |                                       |

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FEB 13 1998

IV. Produced Water

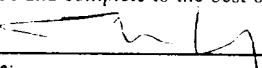
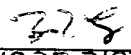
|                   |   |
|-------------------|---|
| 23 POD<br>0530750 | 24 POD ULSTR Location and Description<br>D - 32 - 24N - 05W |
|-------------------|---|

V. Well Completion Data

|              |               |                         |              |                 |
|--------------|---------------|-------------------------|--------------|-----------------|
| 25 Spud Date | 26 Ready Date | 27 TD                   | 28 PBDT      | 29 Perforation  |
| 30 Hole Size |               | 31 Casing & Tubing Size | 32 Depth Set | 33 Sacks Cement |

VI. Well Test Data

|                 |                      |              |                |                    |                  |
|-----------------|----------------------|--------------|----------------|--------------------|------------------|
| 34 Date New Oil | 35 Gas Delivery Date | 36 Test Date | 37 Test Length | 38 Tubing Pressure | 39 Csg. Pressure |
| 40 Choke Size   | 41 Oil               | 42 Water     | 43 Gas         | 44 AOF             | 45 Test Method   |

|  |  |   |
|--|--|---|
| 46 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.<br>Signature: <br>Printed Name: James M. Clark Jr.<br>Title: President<br>Date: January 12, 1998<br>Phone: (214) 696-8090 |  | Approved by: <br>Title: SUPERVISOR DISTRICT #6<br>Approval Date: FEB 13 1998 |
|--|--|---|

|  |                                   |  |
|--|-----------------------------------|--|
| 47 If this is a change of operator fill in the OGRID number and name of the previous operator. |                                   |  |
| Previous Operator Signature<br>OGRID #019418   | Robert L. Bayless<br>Printed Name | President<br>January 16, 1998<br>Title<br>Date |