

3R - 326

## APPROVALS

YEAR(S):

2003-1998



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**Lori Wrotenbery**

Director

**Oil Conservation Division**

March 6, 2003

Mr. Mark B. Harvey  
Williams Field Services  
187 County Rd. 4980  
Bloomfield, New Mexico 87413

**RE: CASE #3R0326  
KAUFMAN #1 DEHY PIT  
SAN JUAN COUNTY, NEW MEXICO**

Dear Mr. Harvey:

The New Mexico Oil Conservation Division (OCD) has reviewed Williams Field Services' (WFS) November 12, 2002 "KAUFMAN #1 PIT REMEDIATION AND CLOSURE REPORT". This document contains the results of WFS's soil and ground water remediation activities for an unlined pit at the Kaufman #1 dehy pit site located in Unit H, Sec. 33, T31N, R13W, San Juan County, New Mexico. The document requests closure of the site since ground water at the site has been remediated to below New Mexico Water Quality Control Commission (WQCC) standards as demonstrated in a minimum of 4 consecutive sampling events.

The pit closure/remediation activities are approved on the condition that that the monitor wells are plugged and abandoned by cutting the casing off below ground surface and filling the annulus from bottom to top with a cement grout containing 3-5% bentonite.

Please be advised that OCD approval does not relieve WFS of responsibility if remaining contaminants are found to pose a future threat to surface water, ground water, human health or the environment. In addition, OCD approval does not relieve WFS of responsibility for compliance with any other federal, state, tribal or local laws and regulations. If you have any questions, please call me at (505) 476-3491.

Sincerely,

William C. Olson  
Hydrologist  
Environmental Bureau

cc: Denny Foust, OCD Aztec District Office  
Bill Liess, BLM Farmington District Office



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

February 19, 1998

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. Z-235-437-233**

Mr. Denver Bearden  
PNM Gas Services  
P.O. Box 4750  
Farmington, NM. 87499

**RE: FINAL SAN JUAN BASIN PIT CLOSURE REPORTS**

Dear Mr. Bearden

The New Mexico Oil Conservation Division (OCD) has completed a review of PNM Gas Services' (PNM) October 28, 1997 "OCD PIT CLOSURE REPORTS, 3RD REPORTING QUARTER 1997". This document contains "PIT REMEDIATION AND CLOSURE REPORTS" for 136 unlined pits in the San Juan Basin of Northwestern New Mexico.

The pit closure/soil remediation activities conducted at the sites listed on Attachment A are **approved**.

Please be advised that OCD approval does not relieve PNM of liability if remaining contaminants are found to pose a future threat to surface water, ground water, human health or the environment. In addition, OCD approval does not relieve PNM of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please call me at (505) 827-7154.

Sincerely,

A handwritten signature in black ink, appearing to read "Will Olson".

William C. Olson  
Hydrogeologist  
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office  
Mike Matush, NM State Land Office  
Bill Liess, BLM Farmington District Office  
Pat Hester, BLM Albuquerque Office  
Kurt Sandoval, Jicarilla Apache Environmental Protection Office

**ATTACHMENT A**

**PNM SITES APPROVED FOR FINAL PIT CLOSURE**

**February 19, 1998**

<u>Well Name</u>	<u>Location</u>
1. 12-11-01 Drip (Line drip pit)	Unit K, Sec. 04, T26N, R04W
2. 12-11-02 Drip (Line drip pit)	Unit C, Sec. 09, T26N, R04W
3. 12-11-03 Drip (Line drip pit)	Unit K, Sec. 09, T26N, R04W
4. 12-11-04 Drip (Line drip pit)	Unit A, Sec. 17, T26N, R04W
5. 12-11-05 Drip (Line drip pit)	Unit L, Sec. 09, T26N, R04W
6. Axi Apache K-6 (Dehy pit)	Unit G, Sec. 09, T26N, R05W
7. Axi Apache K-6 (Line drip pit)	Unit G, Sec. 09, T26N, R05W
8. Axi Apache K-6A (Separator pit)	Unit O, Sec. 09, T26N, R05W
9. Axi Apache K-1 #1 (Dehy pit)	Unit H, Sec. 03, T26N, R05W
10. Axi Apache K-1 #2 (Dehy pit)	Unit H, Sec. 03, T26N, R05W
11. Axi Apache K-1A Drip (Line drip pit)	Unit P, Sec. 03, T26N, R05W
12. Breech #228 (Dehy pit)	Unit A, Sec. 18, T26N, R06W
13. Breech #258 (Separator pit)	Unit F, Sec. 18, T26N, R06W
14. Breech #854 (Drip pit)	Unit H, Sec. 24, T26N, R07W
15. Breech A #129 (Separator pit)	Unit D, Sec. 09, T26N, R06W
16. Breech A #131 (Separator pit)	Unit B, Sec. 09, T26N, R06W
17. Breech A #132 (Dehy pit)	Unit D, Sec. 09, T26N, R06W
18. Breech A #132E (Drip pit)	Unit D, Sec. 09, T26N, R06W
19. Breech A #136E (Drip blowdown pit)	Unit O, Sec. 10, T26N, R06W
20. Breech A #173 (Drip riser pit)	Unit L, Sec. 08, T26N, R06W
21. Breech A #175 (Dehy pit)	Unit J, Sec. 08, T26N, R06W
22. Breech A #179 (Drip pit)	Unit J, Sec. 09, T26N, R06W
23. Breech A #181 (Separator pit)	Unit L, Sec. 10, T26N, R06W
24. Breech A #183 (Drip pit)	Unit J, Sec. 10, T26N, R06W
25. Breech A #625E (Separator pit)	Unit L, Sec. 08, T26N, R06W
26. Breech A #675 (Separator pit)	Unit J, Sec. 08, T26N, R06W
27. Breech A #682 Drip (Drip pit)	Unit L, Sec. 10, T26N, R06W
28. Breech A #729 (Separator pit)	Unit D, Sec. 17, T26N, R06W
29. Breech B #172 (Dehy pit)	Unit L, Sec. 07, T26N, R06W
30. Breech B #196 (Separator pit)	Unit P, Sec. 07, T26N, R06W
31. Breech C #141 (Separator pit)	Unit D, Sec. 12, T26N, R06W
32. Breech C #189 (Unknown pit)	Unit P, Sec. 12, T26N, R06W
33. Breech C #216 (Separator pit)	Unit P, Sec. 12, T26N, R06W
34. Breech C #244 (Dehy pit)	Unit B, Sec. 14, T26N, R06W
35. Breech C #244E (Separator pit)	Unit E, Sec. 14, T26N, R06W

**ATTACHMENT A (continued)**

**PNM SITES APPROVED FOR FINAL PIT CLOSURE**

**February 19, 1998**

<u>Well Name</u>	<u>Location</u>
36. Breech C#244E Drip (Drip pit)	Unit E, Sec. 14, T26N, R06W
37. Breech C#247 (Separator pit)	Unit B, Sec. 13, T26N, R06W
38. Breech C#248 (Dehy pit)	Unit A, Sec. 13, T26N, R06W
39. Breech C#299 (Drip blowdown pit)	Unit L, Sec. 14, T26N, R06W
40. Breech C#301 (Drip pit)	Unit J, Sec. 14, T26N, R06W
41. Breech C#323D (Dehy pit)	Unit M, Sec. 14, T26N, R06W
42. Breech C#323E Drip (Drip pit)	Unit P, Sec. 14, T26N, R06W
43. Breech C#328 (Drip pit)	Unit P, Sec. 13, T26N, R06W
44. Breech C#389 (Dehy pit)	Unit E, Sec. 13, T26N, R06W
45. Breech C#389E (Drip pit)	Unit P, Sec. 13, T26N, R06W
46. Breech C#744 (Separator pit)	Unit A, Sec. 14, T26N, R06W
47. Breech D#140 (Dehy pit)	Unit A, Sec. 11, T26N, R06W
48. Breech D#140 Drip (Manual blowdown riser pit)	Unit A, Sec. 11, T26N, R06W
49. Breech D#185 (Separator/drip pit)	Unit L, Sec. 11, T26N, R06W
50. Breech D#212 (Separator pit)	Unit P, Sec. 11, T26N, R06W
51. Breech D#237 (Separator pit)	Unit D, Sec. 15, T26N, R06W
52. Breech D#239 (Drip pit)	Unit B, Sec. 15, T26N, R06W
53. Breech D#240E Drip (Drip pit)	Unit P, Sec. 15, T26N, R06W
54. Breech D#342 (Separator pit)	Unit A, Sec. 21, T26N, R06W
55. Breech D#345 (Separator pit)	Unit B, Sec. 22, T26N, R06W
56. Breech D#685E (Drip pit)	Unit P, Sec. 11, T26N, R06W
57. Breech E#117 (Separator pit)	Unit M, Sec. 01, T26N, R06W
58. Breech E#54 (Dehy pit)	Unit A, Sec. 04, T26N, R06W
59. Breech E#85 (Drip riser pit)	Unit L, Sec. 04, T26N, R06W
60. Breech E#87 (Separator pit)	Unit J, Sec. 04, T26N, R06W
61. Breech E#89E Drip (Drip pit)	Unit E, Sec. 03, T26N, R06W
62. Breech E#99 (Separator pit)	Unit J, Sec. 01, T26N, R06W
63. Breech F#40 (Separator pit)	Unit P, Sec. 33, T27N, R06W
64. Huron #1 (Separator pit)	Unit M, Sec. 02, T26N, R04W
65. Huron #2E (Unknown pit)	Unit M, Sec. 02, T26N, R04W
66. Huron #3 (Separator pit)	Unit A, Sec. 02, T26N, R04W
67. Huron #4 (Separator pit)	Unit P, Sec. 02, T26N, R04W
68. Huron #4E MM (Separator pit)	Unit A, Sec. 02, T26N, R04W
69. Jicarilla 101 - 3M Drip (Line drip pit)	Unit D, Sec. 01, T26N, R04W
70. Jicarilla 101 - 8 Drip (Line drip pit)	Unit N, Sec. 12, T26N, R04W

**ATTACHMENT A (continued)**

**PNM SITES APPROVED FOR FINAL PIT CLOSURE**

February 19, 1998

<u>Well Name</u>	<u>Location</u>
71. Jicarilla 103 - 12 (Dehy pit)	Unit A, Sec. 17, T26N, R04W
72. Jicarilla 103 - 9 (Separator pit)	Unit A, Sec. 17, T26N, R04W
73. Jicarilla Apache 102 - 15 (Dehy pit)	Unit P, Sec. 09, T26N, R04W
74. Jicarilla Apache 102 - 15A (Dehy pit)	Unit L, Sec. 09, T26N, R04W
75. Jicarilla Apache 102 - 18 (Separator pit)	Unit F, Sec. 09, T26N, R04W
76. Jicarilla Apache 102 - 19 (Separator pit)	Unit G, Sec. 04, T26N, R04W
77. Jicarilla Apache 102 - 2 (Separator pit)	Unit G, Sec. 09, T26N, R04W
78. Jicarilla Apache 102 - 21 (Separator pit)	Unit D, Sec. 04, T26N, R04W
79. Jicarilla Apache 102 - 22 (Separator/line drip pit)	Unit P, Sec. 04, T26N, R04W
80. Jicarilla Apache 102 - 23 (Separator pit)	Unit D, Sec. 03, T26N, R04W
81. Jicarilla Apache 102 - 23 Drip (Line drip pit)	Unit D, Sec. 03, T26N, R04W
82. Jicarilla Apache 102 - 25 (Separator pit)	Unit O, Sec. 09, T26N, R04W
83. Jicarilla Apache 102 - 26 (Separator pit)	Unit F, Sec. 10, T26N, R04W
84. Jicarilla Apache 102 - 29A (Dehy pit)	Unit C, Sec. 09, T26N, R04W
85. Jicarilla Apache 102 - 3 (Separator pit)	Unit K, Sec. 09, T26N, R04W
86. Jicarilla Apache 102 - 30A (Line drip pit)	Unit D, Sec. 10, T26N, R04W
87. Jicarilla Apache 102 - 4 (Line drip pit)	Unit K, Sec. 04, T26N, R04W
88. Jicarilla Apache 102 - 4A (Line drip pit)	Unit D, Sec. 04, T26N, R04W
89. Jicarilla Apache 102 - 5 (Separator pit)	Unit G, Sec. 04, T26N, R04W
90. Jicarilla Apache 102 - 5A (Line drip pit)	Unit P, Sec. 04, T26N, R04W
91. Jicarilla Apache 102 - 6 (Line drip pit)	Unit K, Sec. 03, T26N, R04W
92. Jicarilla Apache 102 - 6 Drip (Line drip pit)	Unit K, Sec. 03, T26N, R04W
93. Jicarilla Apache Tribal 151 - 2 (Dehy pit)	Unit A, Sec. 10, T26N, R05W
94. Jicarilla Apache Tribal 151 - 3E (Dehy pit)	Unit J, Sec. 04, T26N, R05W
95. Jicarilla Apache Tribal 151 - 4E (Dehy pit)	Unit L, Sec. 03, T26N, R05W
96. Jicarilla Apache Tribal 151 - 5E (Dehy pit)	Unit E, Sec. 09, T26N, R05W
97. Jicarilla Apache Tribal 151 - 6 (Dehy pit)	Unit A, Sec. 09, T26N, R05W
98. Jicarilla Apache Tribal 151 - 8 (Dehy pit)	Unit O, Sec. 03, T26N, R05W
99. Jicarilla C - 1A (Separator pit)	Unit A, Sec. 11, T26N, R04W
100. Jicarilla C - 3 (Separator pit)	Unit H, Sec. 12, T26N, R04W
101. Jicarilla C - 4 (Separator pit)	Unit D, Sec. 12, T26N, R04W
102. Jicarilla C - 5 (Separator pit)	Unit D, Sec. 11, T26N, R04W
103. Jicarilla E - 9 (Separator/dehy pit)	Unit B, Sec. 16, T26N, R04W
104. Jicarilla G - 10 (Dehy pit)	Unit B, Sec. 12, T26N, R05W
105. Jicarilla G - 10 Drip (Line drip pit)	Unit B, Sec. 12, T26N, R05W

**ATTACHMENT A (continued)**

**PNM SITES APPROVED FOR FINAL PIT CLOSURE**

**February 19, 1998**

<u>Well Name</u>	<u>Location</u>
106. Jicarilla G - 10M (Dehy pit)	Unit I, Sec. 12, T26N, R05W
107. Jicarilla G - 10M Drip (Line drip pit)	Unit I, Sec. 12, T26N, R05W
108. Jicarilla G - 11 (Separator pit)	Unit I, Sec. 01, T26N, R05W
109. Jicarilla G - 11 Drip (Line drip pit)	Unit I, Sec. 01, T26N, R05W
110. Jicarilla G - 12 (Separator pit)	Unit N, Sec. 01, T26N, R05W
111. Jicarilla G - 12 Drip (Line drip pit)	Unit N, Sec. 01, T26N, R05W
112. Jicarilla G - 1A (Dehy/drip pit)	Unit D, Sec. 01, T26N, R05W
113. Jicarilla G - 1E (Dehy pit)	Unit F, Sec. 01, T26N, R05W
114. Jicarilla G - 1E Drip (Line drip pit)	Unit F, Sec. 01, T26N, R05W
115. Jicarilla G - 2R (Separator pit)	Unit G, Sec. 01, T26N, R05W
116. Jicarilla G - 3 (Separator pit)	Unit F, Sec. 01, T26N, R05W
117. Jicarilla G - 4A Drip (Line drip pit)	Unit D, Sec. 11, T26N, R05W
118. Jicarilla G - 4E (Separator pit)	Unit E, Sec. 11, T26N, R05W
119. Jicarilla G - 5M (Dehy pit)	Unit F, Sec. 12, T26N, R05W
120. Jicarilla G - 5M Drip (Line drip pit)	Unit F, Sec. 12, T26N, R05W
121. Jicarilla G - 7 (Dehy pit)	Unit G, Sec. 11, T26N, R05W
122. Jicarilla G - 7R Drip (Line drip pit)	Unit A, Sec. 11, T26N, R05W
123. Jicarilla G - 9 (Dehy pit)	Unit B, Sec. 01, T26N, R05W
124. Jicarilla G - 9 Drip (Line drip pit)	Unit B, Sec. 01, T26N, R05W
125. Jicarilla G - 9A (Dehy pit)	Unit O, Sec. 01, T26N, R05W
126. Jicarilla G - 9A Drip (Line drip pit)	Unit O, Sec. 01, T26N, R05W
127. Jicarilla G - 9E (Dehy pit)	Unit P, Sec. 01, T26N, R05W
128. Jicarilla G - 9E Drip (Line drip pit)	Unit P, Sec. 01, T26N, R05W
129. Kaufmann #1 (Dehy pit)	Unit H, Sec. 33, T31N, R13W
130. Reuter #297 (Separator pit)	Unit L, Sec. 15, T26N, R06W
131. Reuter #321 (Dehy pit)	Unit M, Sec. 15, T26N, R06W
132. Reuter D #343 (Separator pit)	Unit D, Sec. 22, T26N, R06W
133. Scott C #1 (Drip pit)	Unit L, Sec. 13, T26N, R06W
134. State A #113 (Unknown pit)	Unit M, Sec. 02, T26N, R06W
135. State A #268E Drip (Drip pit)	Unit J, Sec. 16, T26N, R06W
136. State Com C #235R (Separator pit)	Unit A, Sec. 16, T26N, R06W