

3R - 303

# APPROVALS

YEAR(S):

1997-1995



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 18, 1997

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. P-269-269-257**

Mr. Denver Bearden  
PNM Gas Services  
P.O. Box 4750  
Bloomfield, New Mexico 87499

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

Dear Mr. Bearden:

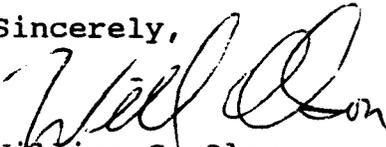
The New Mexico Oil Conservation Division (OCD) has completed a review of PNM Gas Services' (PNM) October 29, 1996 "OCD CLOSURE REPORTS, 3 REPORTING QUARTER 1996". This document contains "PIT REMEDIATION AND CLOSURE REPORTS" for 134 unlined pits in the San Juan Basin of Northwestern New Mexico.

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,

  
William C. Olson  
Hydrogeologist  
Environmental Bureau

xc: OCD Aztec District Office  
Bill Liess, BLM Farmington District Office  
Kurt Sandoval, Jicarilla Apache Tribe EPO  
David Deardorff, New Mexico State Land Office

ATTACHMENT A

PNM SITES APPROVED FOR FINAL PIT CLOSURE

(February 18, 1997)

<u>Well Name</u>	<u>Location</u>
1. Abrams Gas Com L#1 (Separator pit)	Unit M, Sec. 26, T29N, R10W
2. Angel Peak #22 South (Separator)	Unit M, Sec. 07, T28N, R10W
3. Archuleta #1 (Dehy pit)	Unit M, Sec. 19, T30N, R08W
4. Axi Apache O-2 (Separator pit)	Unit D, Sec. 03, T25N, R04W
5. Axi Apache O-2 (Line drip pit)	Unit K, Sec. 33, T26N, R04W
6. Axi Apache O-7 (Separator pit)	Unit H, Sec. 03, T25N, R04W
7. Bruington #1 (Abandoned pit)	Unit G, Sec. 25, T30N, R11W
8. Bruington #2 (Separator pit)	Unit A, Sec. 25, T31N, R11W
9. Calvin #1E (Abandoned pit)	Unit I, Sec. 26, T29N, R11W
10. Calloway #1 (Dehy pit)	Unit A, Sec. 22, T31N, R11W
11. Congress #4 (Abandoned pit)	Unit P, Sec. 35, T29N, R11W
12. Cozzens B#1E (Separator pit)	Unit J, Sec. 19, T29N, R11W
13. Current #2 (Dehy pit)	Unit M, Sec. 11, T30N, R11W
14. Federal Gas Com L#1 (Dehy pit)	Unit F, Sec. 14, T30N, R11W
15. Federal Gas Com L#1E (Separator)	Unit B, Sec. 14, T30N, R11W
16. F J Titt #2 (Dehy pit)	Unit M, Sec. 35, T31N, R11W
17. F J Titt #2A (Dehy pit)	Unit O, Sec. 35, T31N, R11W
18. Florance #2 (Dehy/separator pit)	Unit B, Sec. 20, T30N, R09W
19. Florance #2A (Dehy pit)	Unit O, Sec. 20, T30N, R09W
20. Florance #10 (Dehy pit)	Unit H, Sec. 30, T30N, R09W
21. Florance #13 (Dehy pit)	Unit B, Sec. 18, T30N, R09W
22. Florance #13A (Dehy pit)	Unit I, Sec. 18, T30N, R09W
23. Florance #16 (Dehy pit)	Unit A, Sec. 06, T30N, R09W
24. Florance #16A (Dehy pit)	Unit P, Sec. 06, T30N, R09W
25. Florance #18A (Dehy pit)	Unit E, Sec. 11, T30N, R09W
26. Florance #19A (Dehy pit)	Unit P, Sec. 03, T30N, R09W
27. Florance #24 (Dehy pit)	Unit A, Sec. 23, T29N, R09W
28. Florance #27 (Dehy pit)	Unit I, Sec. 26, T29N, R09W
29. Florance #40A (Dehy pit)	Unit L, Sec. 21, T30N, R08W
30. Florance #42 (Separator pit)	Unit M, Sec. 27, T29N, R09W
31. Florance AC #3 (Dehy pit)	Unit M, Sec. 22, T30N, R09W
32. Florance P #39 (Dehy pit)	Unit B, Sec. 35, T30N, R08W
33. Giomi GC C#1 (Dehy pit)	Unit M, Sec. 28, T30N, R09W
34. Hamner #1 (Dehy pit)	Unit A, Sec. 20, T29N, R09W
35. Hampton #5 (Dehy pit)	Unit C, Sec. 13, T30N, R11W
36. Hare #4 (Drip pit)	Unit O, Sec. 25, T29N, R10W
37. Helen Jackson #1 (Dehy pit)	Unit A, Sec. 34, T29N, R09W
38. Helen Jackson #1A (Dehy pit)	Unit A, Sec. 34, T29N, R09W
39. Helen Jackson #2 (Dehy pit)	Unit A, Sec. 33, T29N, R09W
40. Howell #2A (Dehy pit)	Unit O, Sec. 10, T30N, R08W
41. Jicarilla Apache 102-1 (Separator)	Unit N, Sec. 10, T26N, R04W
42. Jicarilla 103-4 (Drip pit)	Unit A, Sec. 19, T26N, R04W
43. Jicarilla 103-4 (Line drip pit)	Unit A, Sec. 19, T26N, R04W
44. Jicarilla 103-7 (Dehy pit)	Unit P, Sec. 19, T26N, R04W
45. Jicarilla 103-7E (Dehy pit)	Unit D, Sec. 19, T26N, R04W

ATTACHMENT A (continued)

PNM SITES APPROVED FOR FINAL PIT CLOSURE

(February 18, 1997)

<u>Well Name</u>	<u>Location</u>
46. Jicarilla 103-10 (Dehy pit)	Unit D, Sec. 17, T26N, R04W
47. Jicarilla 103-11 (Unknown pit)	Unit E, Sec. 18, T26N, R04W
48. Jicarilla 103-11E (Line drip pit)	Unit K, Sec. 19, T26N, R04W
49. Jicarilla 103-12M (North line drip)	Unit I, Sec. 17, T26N, R04W
50. Jicarilla 103-12M (East line drip)	Unit I, Sec. 17, T26N, R04W
51. Jicarilla 103-12M (Dehy pit)	Unit I, Sec. 17, T26N, R04W
52. Jicarilla 103-13 (Separator pit)	Unit K, Sec. 20, T26N, R04W
53. Jicarilla 103-13 (Drip pit)	Unit K, Sec. 20, T26N, R04W
54. Jicarilla 103-14 (Line drip pit)	Unit P, Sec. 18, T26N, R04W
55. Jicarilla 103-14 (Dehy pit)	Unit P, Sec. 18, T26N, R04W
56. Jicarilla 103-15 (Separator pit)	Unit H, Sec. 19, T26N, R04W
57. Jicarilla A-8 (Dehy pit)	Unit E, Sec. 23, T26N, R04W
58. Jicarilla A-20 (Separator pit)	Unit E, Sec. 23, T26N, R04W
59. Jicarilla D-1 (Separator pit)	Unit D, Sec. 32, T26N, R03W
60. Jicarilla D-3 (Line drip pit)	Unit A, Sec. 32, T26N, R03W
61. Jicarilla D-13 (Line drip pit)	Unit A, Sec. 32, T26N, R03W
62. Jicarilla E-2 (Separator pit)	Unit K, Sec. 15, T26N, R04W
63. Jicarilla E-3 (Separator pit)	Unit B, Sec. 15, T26N, R04W
64. Jicarilla E-4 (Separator pit)	Unit A, Sec. 22, T26N, R04W
65. Jicarilla E-4 (Drip pit)	Unit F, Sec. 22, T26N, R04W
66. Jicarilla E-8 (Dehy pit)	Unit C, Sec. 15, T26N, R04W
67. Jicarilla E-10E (Two drip pit)	Unit B, Sec. 22, T26N, R04W
68. Jicarilla E-11 (Separator pit)	Unit C, Sec. 22, T26N, R04W
69. Jicarilla F-2 (Separator pit)	Unit K, Sec. 33, T26N, R04W
70. Jicarilla F-4 (Separator pit)	Unit F, Sec. 33, T26N, R04W
71. Jicarilla F-4 (Line drip pit)	Unit F, Sec. 33, T26N, R04W
72. Jicarilla F-5A (Separator pit)	Unit L, Sec. 33, T26N, R04W
73. Jicarilla F-5A (Drip pit)	Unit L, Sec. 33, T26N, R04W
74. Jicarilla F-5A (Line drip pit)	Unit D, Sec. 04, T25N, R04W
75. Jicarilla F-6 (Separator pit)	Unit L, Sec. 34, T26N, R04W
76. Jicarilla H-5 (Line drip pit)	Unit H, Sec. 18, T26N, R04W
77. Jicarilla J-3 (Separator pit)	Unit D, Sec. 26, T26N, R05W
78. Jicarilla J-4 (Separator pit)	Unit B, Sec. 26, T26N, R05W
79. Jicarilla J-5 (Separator pit)	Unit D, Sec. 25, T26N, R05W
80. Jicarilla J-6 (Separator pit)	Unit D, Sec. 25, T26N, R05W
81. Jicarilla J-6 (Line drip pit)	Unit H, Sec. 25, T26N, R05W
82. Jicarilla J-8 (Dehy pit)	Unit D, Sec. 25, T26N, R05W
83. Jicarilla J-9 (Dehy pit)	Unit B, Sec. 26, T26N, R05W
84. Jicarilla J-9E (Dehy pit)	Unit D, Sec. 26, T26N, R05W
85. Jicarilla J-10E (Dehy pit)	Unit N, Sec. 26, T26N, R05W
86. Jicarilla J-11 (Separator/dehy pit)	Unit J, Sec. 25, T26N, R05W
87. Jicarilla J-16 (Separator pit)	Unit M, Sec. 26, T26N, R05W
88. Jicarilla J-18 (Separator pit)	Unit A, Sec. 36, T26N, R05W
89. Jicarilla J-23A (Separator pit)	Unit J, Sec. 25, T26N, R05W
90. Largo Federal #3 (Separator pit)	Unit C, Sec. 34, T29N, R09W

ATTACHMENT A (continued)

**PNM SITES APPROVED FOR FINAL PIT CLOSURE**

**(February 18, 1997)**

<u>Well Name</u>	<u>Location</u>
91. Lowe #3 (Separator pit)	Unit A, Sec. 26, T26N, R04W
92. Lowe #4 (Separator pit)	Unit I, Sec. 26, T26N, R04W
93. Manley #1 (Unknown pit)	Unit P, Sec. 31, T29N, R10W
94. Mansfield #1 (Dehy pit)	Unit P, Sec. 19, T30N, R09W
95. Mansfield #1A (Dehy pit)	Unit A, Sec. 19, T30N, R09W
96. McClanahan #16E (Dehy pit)	Unit E, Sec. 24, T28N, R10W
97. McClanahan #18 (Unknown pit)	Unit A, Sec. 13, T28N, R10W
98. McCord #2 & 3 Tie In (Drip pit)	Unit D, Sec. 34, T30N, R13W
99. Michael #1 (Separator pit)	Unit D, Sec. 13, T30N, R11W
100. Mims State Com #1A (Separator/dehy)	Unit D, Sec. 16, T29N, R09W
101. Mims State Com #2 (Dehy pit)	Unit C, Sec. 16, T29N, R09W
102. Nye #1A (Dehy pit)	Unit O, Sec. 12, T30N, R11W
103. Nye #3A (Dehy pit)	Unit P, Sec. 01, T30N, R11W
104. Nye #8 (Dehy pit)	Unit P, Sec. 01, T30N, R11W
105. Nye #11 (Dehy pit)	Unit D, Sec. 01, T30N, R11W
106. Nye #12 (Dehy pit)	Unit G, Sec. 12, T30N, R11W
107. Nye #13 (Dehy pit)	Unit D, Sec. 13, T30N, R11W
108. Nye #14 (Dehy pit)	Unit K, Sec. 13, T30N, R11W
109. Nye #16 (Dehy pit)	Unit G, Sec. 12, T30N, R11W
110. Nye #16A (Dehy pit)	Unit C, Sec. 12, T30N, R11W
111. Nye #17 (Dehy pit)	Unit L, Sec. 01, T30N, R11W
112. Omler A#3E (Separator pit)	Unit O, Sec. 26, T28N, R10W
113. Omler A#5E (Separator pit)	Unit E, Sec. 25, T28N, R10W
114. Payne #2A (Dehy pit)	Unit D, Sec. 21, T32N, R10W
115. Pierce #3 (Separator pit)	Unit O, Sec. 30, T31N, R10W
116. Pierce #5 (Separator pit)	Unit E, Sec. 30, T31N, R10W
117. Pritchard A#1 (Dehy pit)	Unit M, Sec. 01, T30N, R09W
118. Pritchard A#1A (Dehy pit)	Unit F, Sec. 01, T30N, R09W
119. Pritchard #3 (Dehy pit)	Unit H, Sec. 31, T29N, R08W
120. Pritchard #3A (Dehy pit)	Unit P, Sec. 31, T29N, R08W
121. Reid #10 (Drip pit)	Unit G, Sec. 18, T28N, R09W
122. Reid #12 (Separator pit)	Unit I, Sec. 19, T28N, R09W
123. Reid #15 (Drip pit)	Unit D, Sec. 18, T28N, R09W
124. Reid #18 (Drip pit)	Unit K, Sec. 18, T28N, R09W
125. Reid #18 (Drip pit)	Unit K, Sec. 18, T28N, R09W
126. Reid #19 (Separator pit)	Unit B, Sec. 18, T28N, R09W
127. Reid #21E (Separator pit)	Unit I, Sec. 19, T28N, R09W
128. Reid #23 (Dehy pit)	Unit L, Sec. 17, T28N, R09W
129. Riddle #2 (Dehy pit)	Unit N, Sec. 17, T30N, R09W
130. State AE #2 (Drip pit)	Unit G, Sec. 17, T28N, R09W
131. State Com B#3A (Dehy pit)	Unit P, Sec. 16, T30N, R09W
132. Wilson #1 (Separator pit)	Unit H, Sec. 31, T29N, R10W
133. Zachry #4 (Drip pit)	Unit P, Sec. 34, T29N, R10W
134. Zachry #19E (Drip pit)	Unit O, Sec. 12, T28N, R10W

OIL CONSERVATION DIVISION

2040 South Pacheco St.  
Santa Fe, New Mexico 87505

August 24, 1995

**CERTIFIED MAIL**

**RETURN RECEIPT NO. Z-765-962-400**

Mr. Denver Bearden  
Gas Company of New Mexico  
P.O. Box 1899  
Bloomfield, New Mexico 87413

**RE: GROUND WATER INVESTIGATION REPORT  
ABRAMS L#1 WELL SITE**

Dear Mr. Bearden:

The New Mexico Oil Conservation Division (OCD) has reviewed Gas Company of New Mexico's (GCNM) July 31, 1995 "GAS COMPANY OF NEW MEXICO, GROUND WATER INVESTIGATION REPORT, ABRAMS GAS/COM L1". This document contains the results of GCNM's investigation of the extent of ground water contamination related to an unlined dehydration pit at the Abrams Gas/Com L#1 well site. The document also contains GCNM's proposal for continued quarterly monitoring of ground water at the site.

The investigation activities conducted to date are satisfactory and the proposed quarterly sampling program is approved with the following conditions:

1. All ground water sampling and analysis will be conducted according to EPA methods.
2. GCNM will submit quarterly reports to the OCD by November 1, February 1, May 1 and August 1 of each respective year with the first quarterly report due on November 1, 1995. The reports will contain:
  - a. A description of all activities which occurred during the quarter.
  - b. A summary of the laboratory analytical results of water quality sampling of the monitor wells. The results will be presented in tabular form and will show all past and present sampling results.
  - c. A water table elevation map using the water table elevation of the ground water in all monitor wells.

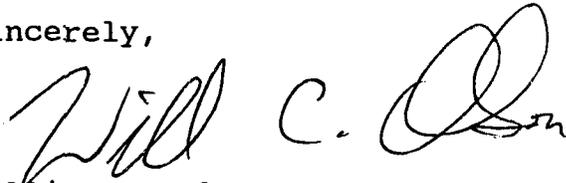
Mr. Denver Bearden  
August 24, 1995  
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3. GCNM will notify the OCD at least one week in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples.
4. All documents submitted for approval will be submitted to the OCD Santa Fe Office with copies provided to the OCD Aztec District Office.

Please be advised that OCD approval does not relieve GCNM of liability should contamination exist which is beyond the scope of the work plan. In addition, OCD approval does not relieve GCNM 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,



William C. Olson  
Hydrogeologist  
Environmental Bureau

xc: OCD Aztec District Office  
Maureen Gannon, GCL

**NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT**

**OIL CONSERVATION DIVISION**

2040 South Pacheco St.  
Santa Fe, New Mexico 87505

July 13, 1995

Mr. Denver Bearden  
Gas Company of New Mexico  
P.O. Box 1899  
Bloomfield, New Mexico 87413

**RE: ABRAMS L#1 GROUND WATER INVESTIGATION**

Dear Mr. Bearden:

The New Mexico Oil Conservation Division (OCD) has reviewed Gas Company of New Mexico's (GCNM) May 17, 1995 "ABRAMS GAS/COM L1 GROUNDWATER INVESTIGATION WORK PLAN". This document contains GCNM's request for an extension of the time frame for submission of a report on the investigation of the extent of ground water contamination related to an unlined dehydration pit at the Abrams Gas/Com L#1 well site. GCNM proposes to submit the investigation report to the OCD by July 31, 1995.

The above referenced request is approved.

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

Sincerely,



William C. Olson  
Hydrogeologist  
Environmental Bureau

cc: OCD Aztec District Office  
Maureen Gannon, GCL

State of New Mexico  
**ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT**  
Santa Fe, New Mexico 87505



**OIL CONSERVATION DIVISION**  
2040 South Pacheco St.  
Santa Fe, New Mexico 87505



February 20, 1995

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. P-667-242-212**

Mr. Denver Bearden  
Gas Company of New Mexico  
P.O. Box 1899  
Bloomfield, New Mexico 87413

**RE: ABRAMS L#1 GROUND WATER INVESTIGATION WORK PLAN**

Dear Mr. Bearden:

The New Mexico Oil Conservation Division (OCD) has completed a review of the Gas Company of New Mexico's (GCNM) January 31, 1995 "GAS COMPANY OF NEW MEXICO WORK PLAN FOR MONITORING WELL INSTALLATION AT THE ABRAMS GAS/COM L1". This document contains GCNM's plan for investigation of the extent of ground water contamination related to an unlined dehydration pit at the Abrams Gas/Com L#1 well site.

The above referenced work plan is approved with the following conditions:

1. GCNM will submit a report on the investigation to the OCD by June 2, 1995. The report will include a description of the investigation activities, a water table elevation map showing the direction of the hydraulic gradient, as built well completion diagrams, the results of all water quality sampling and any other pertinent information.
2. GCNM will notify the OCD at least one week in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples.
3. All original documents submitted for approval will be submitted to the OCD Santa Fe Office with copies provided to the OCD Aztec Office.

**VILLAGRA BUILDING - 406 Galisteo**

Forestry and Resources Conservation Division  
P.O. Box 1948 87504-1948  
827-5830

Park and Recreation Division  
P.O. Box 1147 87504-1147  
827-7465

**2040 South Pacheco**

Office of the Secretary  
827-5950

Administrative Services  
827-5925

Energy Conservation & Management  
827-5900

Mining and Minerals  
827-5970

Oil Conservation  
827-7131

Mr. Denver Bearden  
February 20, 1995  
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Please be advised that OCD approval does not relieve GCNM of liability if the investigation determines that contamination exists which is beyond the scope of the plan. In addition, OCD approval does not relieve GCNM 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 cursive script, appearing to read "Will Olson".

William C. Olson  
Hydrogeologist  
Environmental Bureau

cc: OCD Aztec District Office