

EXHIBIT III

FORM C-108
EM VII(5)ANALYSIS - Injection Zone
Produce WaterPOGO PRODUCING COMPANY
Diamond "34" State No. 1
Section 34, T-22-S, R-33-E
Lea County, New Mexico

MARTIN WATER LABORATORIES

P.O. Box 1488 Phone 843-3234 or 583-1040
Monahans, Texas 79758

RESULT OF WATER ANALYSES

709 W. Indiana Phone 682-4321
Midland, Texas 79701TO: Mr. Dan Tully
400 West Illinois, Suite 1000
Midland, TX 79701LABORATORY NO. 3938
SAMPLE RECEIVED 3-3-93
RESULTS REPORTED 3-4-93

API WATER ANALYSIS REPORT FORM

Company <u>Mitchell Energy Corporation</u>		Sample No.		Date Sampled <u>2/26/93</u>	
Field <u>Bootleg Ridge</u>		Legal Description		County or Parish <u>Lea</u>	
Lease or Unit <u>Big Horn "30" State</u>		Well <u>#1</u>		Depth <u>4946-4963</u>	
Type of Water (Produced, Supply, etc.) <u>Produced</u>		Formation <u>Delaware</u>		Water, B/D	
Sampling Point		Sampled By			

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>61,383</u>	<u>2,668.8</u>
Calcium, Ca	<u>20,000</u>	<u>1,000.0</u>
Magnesium, Mg	<u>2,795</u>	<u>230.0</u>
Barium, Ba	<u>0</u>	<u>0.0</u>

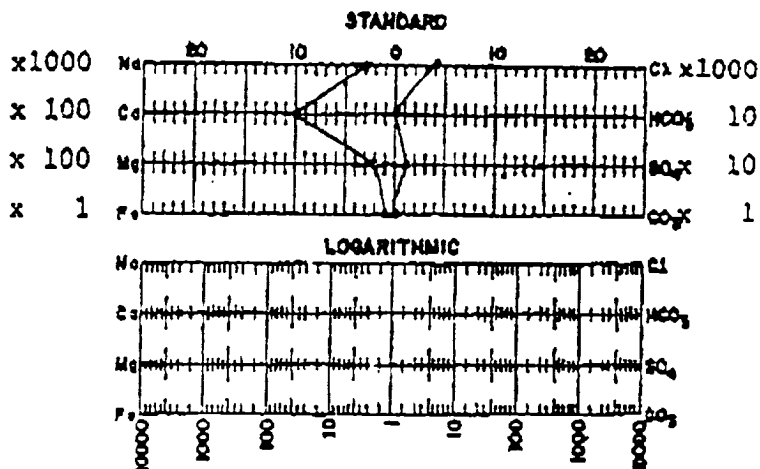
OTHER PROPERTIES

pH	<u>5.91</u>
Specific Gravity, 60/60 F.	<u>1.1481</u>
Resistivity (ohm-meters) <u>77° F.</u>	<u>0.053</u>
Total Hardness, as CaCO ₃	<u>61,500</u>

ANIONS

Chloride, Cl	<u>137,777</u>	<u>3,885.3</u>
Sulfate, SO ₄	<u>566</u>	<u>11.8</u>
Carbonate, CO ₃	<u>0</u>	<u>0.0</u>
Bicarbonate, HCO ₃	<u>105</u>	<u>1.7</u>

WATER PATTERNS — me/l

Total Dissolved Solids (calc.)
222,625Iron, Fe (total) 18.0 0.7
Sulfide, as H₂S 0.0

REMARKS & RECOMMENDATIONS: The above results show this water to have a slightly lower level of sodium chloride than our predominant records in the area and also the water from Comanche State "17" #2. However, the characteristics are still those expected from natural Delaware; therefore, it is indicated to be all, or essentially all, natural Delaware.