



amdel

446098

WATER ANALYSIS REPORT      JOB NO. 4919/86      METHOD W2/1      PAGE W5

SAMPLE ID. PELICAN 5 6-5

| CHEMICAL COMPOSITION    |        |      |       | DERIVED DATA                                   |                       |
|-------------------------|--------|------|-------|------------------------------------------------|-----------------------|
|                         |        | MG/L | ME/L  |                                                | MG/L                  |
| <b>CATIONS</b>          |        |      |       |                                                |                       |
| CALCIUM                 | (CA)   | 230  | 11.5  | TOTAL DISSOLVED SOLIDS                         |                       |
| MAGNESIUM               | (MG)   | 8.60 | 0.707 | A. BASED ON E.C.                               | 6690                  |
| SODIUM                  | (NA)   | 2780 | 121   | B. CALCULATED (HCO3=CO3)                       | 7630                  |
| POTASSIUM               | (K)    | 140  | 3.58  |                                                |                       |
| <b>ANIONS</b>           |        |      |       |                                                |                       |
| HYDROXIDE               | (OH)   |      |       | TOTAL HARDNESS                                 | 610                   |
| CARBONATE               | (CO3)  |      |       | CARBONATE HARDNESS                             | 610                   |
| BICARBONATE             | (HCO3) | 3370 | 55.3  | NON-CARBONATE HARDNESS                         |                       |
| SULPHATE                | (SO4)  | 1000 | 20.8  | TOTAL ALKALINITY                               | 2770                  |
|                         |        |      |       | (EACH AS CaCO3)                                |                       |
| CHLORIDE                | (CL)   | 1790 | 50.6  | TOTALS AND BALANCE                             |                       |
|                         |        |      |       | -----                                          |                       |
|                         |        |      |       | CATIONS (ME/L)                                 | 137 DIFF= 9.72        |
|                         |        |      |       | ANIONS (ME/L)                                  | 127 SUM = 264         |
|                         |        |      |       |                                                | DIFF*100./SUM = 3.69% |
| NITRATE                 | (NO3)  | 13.0 | 0.210 | SODIUM / TOTAL CATION RATIO                    | 88.5%                 |
|                         |        |      |       | REMARKS                                        |                       |
|                         |        |      |       | -----                                          |                       |
|                         |        |      |       | IMBALANCE UNKNOWN RESULTS CHECKED AND VERIFIED |                       |
|                         |        |      |       | -----                                          |                       |
| REACTION - PH           |        |      | 7.8   |                                                |                       |
| CONDUCTIVITY (E.C.)     |        |      |       |                                                |                       |
| MICRO-S/CM AT 25 C      |        |      | 10900 |                                                |                       |
| RESISTIVITY OHM.M @ 25C |        |      | 0.917 |                                                |                       |
|                         |        |      |       | NOTE: MG/L = MILLIGRAMS PER LITRE              |                       |
|                         |        |      |       | ME/L = MILLIEQUIVS. PER LITRE                  |                       |

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