

10S/6E-17J2

WILLARD G. BABCOCK  
ARTHUR L. BABCOCK  
SHERMAN G. BABCOCK

CERTIFICATE OF ANALYSIS  
ESTABLISHED 1908  
EDWARD S. BABCOCK & SONS  
P. O. BOX 432  
RIVERSIDE, CALIFORNIA

AGRICULTURAL  
APPRAISALS  
SUPERVISION  
MANAGEMENTLABORATORIES  
3445 FIRST ST.to DiGiorgio Fruit Corp.  
Box A  
Borrego Springs, Calif.

October 3, 1956

SAMPLE MARKED Water,  
Well 21

Laboratory No. 560921-C

| Cations                                   | Parts per million | Milligram equivalents per liter | Anions   | Parts per million | Milligram equivalents per liter |
|---|-------------------|---------------------------------|--|-------------------|---------------------------------|
| Calcium (Ca)                              | 90                | 4.50                            | Carbonate (CO <sub>3</sub> )                   | none              | -----                           |
| Magnesium (Mg)                            | 22                | 1.83                            | Bicarbonate (HCO <sub>3</sub> )                | 198               | 3.25                            |
| Sodium (Na)                               | 108               | 4.70                            | Sulfate (SO <sub>4</sub> )                     | 250               | 5.21                            |
| Potassium (K)                             |                   |                                 | Chloride (Cl)                                  | 75                | 2.10                            |
|   |                   |                                 | Nitrate (NO <sub>3</sub> )                     | trace             | -----                           |
| Conductivity, ECx10 <sup>6</sup> @ 25° C. |                   | 1113                            | Total Hardness calculated as CaCO <sub>3</sub> | 317               |                                 |
| Percent Sodium                            |                   | 42.6                            | Fluoride (F)                                   |                   |                                 |
| Hydrogen-ion activity (pH)                |                   |                                 | Boron (B)                                      | .2                |                                 |

EDWARD S. BABCOCK &amp; SONS

*Sherman G. Babcock*



# 21

105/GE-17J2

7-B (BUFF) Post-Rite SYSTEMS CELINA, OHIO - DALLAS - LOS ANGELES LITHO IN U.S.A.

| (2)                                     | (3)                   | (4)              | (5)   | (6)         | (7) |
|---|-----------------------|------------------|-------|-------------|-----|
| VSIS -                                  | ED: S. Babcock & Sons |                  |       | Oct 3, 1956 |     |
| ppm                                     | mg/l                  | anions           | ppm   | mg/l        |     |
| 90                                      | 4.50                  | CO <sub>3</sub>  | NONE  | —           |     |
| 22                                      | 1.83                  | HCO <sub>3</sub> | 198   | 3.25        |     |
| 108                                     | 4.70                  | SO <sub>4</sub>  | 250   | 5.21        |     |
|   |                       | Cl               | 75    | 2.10        |     |
|   |                       | NO <sub>3</sub>  | Trace | —           |     |
| conductivity, ECX106 @ 25°C = 1113      |                       |                  |       |             |     |
| % Na = 42.6                             |                       |                  |       |             |     |
| hardness as CaCO <sub>3</sub> = 317 ppm |                       |                  |       |             |     |
| Barom = .2 ppm                          |                       |                  |       |             |     |
| bullers log - Schlumberger log avail.   |                       |                  |       |             |     |
| pump test - Borrego elec.               |                       |                  |       |             |     |
| 2 ft - SWL                              |                       |                  |       |             |     |
| pumping level -                         |                       |                  |       |             |     |
| 225                                     |                       | 1000             |       |             |     |
| 228                                     |                       | 1150             |       |             |     |
| 231                                     |                       | 1375             |       |             |     |
| 235                                     |                       | 1550             |       |             |     |
| 238                                     |                       | 1675             |       |             |     |
| 241                                     |                       | 1775             |       |             |     |
| 244                                     |                       | 1800             |       |             |     |
| ramp off - 3 min later WL = 197 ft.     |                       |                  |       |             |     |



26

#21  
17J2

Well No. 26 (Dr. Campbell)

Location POBRECO FARM

| DATE                                      | May 31<br>1960 | June<br>1961 | Sept<br>1962 | Sept<br>1963 | MAR<br>1964 | June<br>1964 | MAY<br>1965    |
|---|----------------|--------------|--------------|--------------|-------------|--------------|----------------|
| Total Soluble Salts (ECx10 <sup>3</sup> ) | 1.79           | 1.68         | 1.68         | 2.45         | 1.7         | 1.5          | 1.9            |
| pH (1-7 Acid; 7-14 Basic)                 | 7.32           | 7.5          | 7.6          | 7.4          | 7.7         | 7.7          | 7.8            |
| Boron (parts per million)                 | -              | 0.16         | -            | -            | 0.24        | -            | 0.09           |
| Nitrogen (pounds per acre ft.)            | 113.9          | 82           | 80           | 175.4        | 127.3       | 91.5         | 107.9          |
| Sodium percentage (%)                     | 36%            | 41%          | 41%          | 42%          | 44%         | 49%          | 48%            |
| <u>CATIONS -</u>                          |                |              |              |              |             |              |                |
| Calcium (meq./liter)                      | 10.81          | 5.32         | 7.04         | 15.0         | 10.2        | 7.81         | 10.40<br>10.80 |
| Magnesium "                               |                | 3.84         | 1.69         |              |             |              |                |
| Sodium "                                  | 4.50           | 7.90         | 7.80         | 10.3         | 8.52        | 7.92         | 10.6           |
| Potassium "                               | 0.30           | 0.29         | 0.315        | 0.42         | 0.372       | 0.348        | 0.34           |
| TOTAL                                     | 17.6           | 17.3         | 16.8         | 25.7         | 19.1        | 16.10        | 21.8           |
| <u>ANIONS -</u>                           |                |              |              |              |             |              |                |
| Carbonate (meq./liter)                    | 0              | 0            | 4.8          | 0            | 0           | 0            | 0              |
| Bicarbonate "                             | 1.85           | 1.76         | 1.83         | 2.04         | 1.57        | 1.46         | 1.48           |
| Chloride "                                | 3.67           | 3.21         | 3.28         | 4.72         | 3.16        | 3.07         | 2.96           |
| Nitrate "                                 | 3.07           | 2.22         | 2.22         | 4.43         | 3.42        | 2.46         | 2.84           |
| Sulfate *                                 | 9.01           | 10.11        | 9.47         | 14.51        | 10.95       | 9.11         | 19.0           |
| TOTAL                                     | 17.6           | 17.3         | 16.8         | 25.7         | 19.1        | 16.10        | 21.8           |

\* Sulfate determined by difference.



AGRICULTURAL CONSULTANTS  
CHEMISTS  
APPROVED WATER LABORATORY

PHONE 684-1881  
AREA CODE 714

LABORATORIES  
3215 CHICAGO AVE

ESTABLISHED 1906

**EDWARD S. BABCOCK & SONS**

P. O. BOX 432  
RIVERSIDE, CALIFORNIA 92502



#21 105/6E-17J2

TO Riviera Farms Inc.  
P.O. Box 1127  
Borrego Springs, CA. 92004

SAMPLE MARKED Di Giorgio Corp.  
Well #21 Run 7 hrs.  
12/18/75  
Dec. 31, 1975

Laboratory No. 751219-24

| Cations                               | Milligrams per liter (ppm) | Milli equivalents per liter | Anions   | Milligrams per liter (ppm) | Milli equivalent per liter |
|---------------------------------------|----------------------------|-----------------------------|--|----------------------------|----------------------------|
| Calcium (Ca)                          | 98                         | 4.90                        | Alkalinity as Hydroxide (OH)                   | 0                          | -                          |
| Magnesium (Mg)                        | 12                         | 1.00                        | Carbonate (CO <sub>3</sub> )                   | 0                          | -                          |
| Sodium (Na)                           | 142                        | 4.87                        | Bicarbonate (HCO <sub>3</sub> )                | 207                        | 3.40                       |
| Potassium (K)                         | 11                         | 0.28                        | Sulfate (SO <sub>4</sub> )                     | 285                        | 5.94                       |
| Ammonium (NH <sub>4</sub> )           |                            |                             | Chloride (Cl)                                  | 60                         | 1.70                       |
|                                       |                            |                             | Nitrate (NO <sub>3</sub> )                     | 4                          | 0.06                       |
|                                       |                            |                             | Phosphate (PO <sub>4</sub> )                   |                            |                            |
|                                       |                            | 1105                        |  |                            | 1110                       |
| Acidity, 30x10 <sup>6</sup> @ 25 ° C. |                            | 1000                        |  |                            | Milligrams per liter (ppm) |
| Percent Sodium                        |                            | 44                          |  |                            |                            |
| Acid-ion activity (pH)                |                            | 7.6                         | Total Hardness calculated as CaCO <sub>3</sub> |                            | 295                        |
| Color                                 |                            |                             | Total Dissolved Residue (180° C)               |                            | 680                        |
| Turbidity                             |                            |                             | Fluoride (F)                                   |                            |                            |
|                                       |                            |                             | Boron (B)                                      |                            |                            |
|                                       |                            |                             | Iron (Fe)                                      |                            | 0.3                        |
|                                       |                            |                             | Manganese (Mn)                                 |                            |                            |

Edward S. Babcock & Sons

*James J. Babcock*