

# NEW-TEX LAB

P. O. BOX 1161  
HOBBS, N.M. 88240

No. 6796

Run No.

Date of Run 4-11-85

Date Secured 4-10-85

## CERTIFICATE OF ANALYSIS

A Sample of Jimmy Williams (600 Yards East)  
Secured from Fannie Lee Mitchell  
At Box 1327 Secured by \_\_\_\_\_  
Lovington, N. Mex. 88260 Time \_\_\_\_\_ Date \_\_\_\_\_  
Sampling conditions \_\_\_\_\_ Press \_\_\_\_\_  
Temp. \_\_\_\_\_ Station No. \_\_\_\_\_

SPECIFIC GRAVITY = 1  
TOTAL DISSOLVED SOLIDS = 985  
PH = 6.88

|           |             | ME/L | MG/L |
|-----------|-------------|------|------|
| CATIONS   |             |      |      |
| CALCIUM   | (CA)+2      | 9    | 180. |
| MAGNESIUM | (MG)+2      | 1.4  | 17.0 |
| SODIUM    | (NA), CALC. | 4.1  | 95.1 |

|             |          | ME/L | MG/L |
|-------------|----------|------|------|
| ANIONS      |          |      |      |
| BICARBONATE | (HCO3)-1 | 3.4  | 207. |
| CARBONATE   | (CO3)-2  | 0    | 0    |
| HYDROXIDE   | (OH)-1   | 0    | 0    |
| SULFATE     | (SO4)-2  | 5.1  | 295  |
| CHLORIDES   | (CL)-1   | 5    | 190  |

|                  |       | ME/L    | MG/L |
|------------------|-------|---------|------|
| DISSOLVED GASES  |       |         |      |
| CARBON DIOXIDE   | (CO2) | NOT RUN |      |
| HYDROGEN SULFIDE | (H2S) | NOT RUN |      |
| OXYGEN           | (O2)  | NOT RUN |      |

|             |        |         |
|-------------|--------|---------|
| IRON(TOTAL) | (FE)   | NOT RUN |
| BARIUM      | (BA)+2 | NOT RUN |
| MANGANESE   | (MN)   | NOT RUN |

IONIC STRENGTH (MOLAL) = .023

| SCALING INDEX             | TEMP     |
|---------------------------|----------|
|                           | 30C      |
|                           | 86F      |
| CARBONATE INDEX           | .999     |
| CALCIUM CARBONATE SCALING | LIKELY   |
| CALCIUM SULFATE INDEX     | -12.     |
| CALCIUM SULFATE SCALING   | UNLIKELY |



*Handwritten signature: J. L. Simpson*