

BJ SERVICES COMPANY

FARMINGTON LAB

## GENERAL INFORMATION

OPERATOR: MALLON OIL  
WELL: POND WATER  
FIELD: E. BLANCO FIELD  
SUBMITTED BY:  
WORKED BY :D. SHEPHERD  
PHONE NUMBER:

DEPTH:  
DATE SAMPLED: 07/28/99  
DATE RECEIVED: 07/28/99  
COUNTY: RIO ARriba  
FORMATION: N/A STATE: NM

| SAMPLE DESCRIPTION |     |
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| SAMPLE LOCATION             | SAMPLE DESCRIPTION |
|-----------------------------|--------------------|
| sampled from north inlet of | fresh water pond   |

PHYSICAL AND CHEMICAL DETERMINATIONS

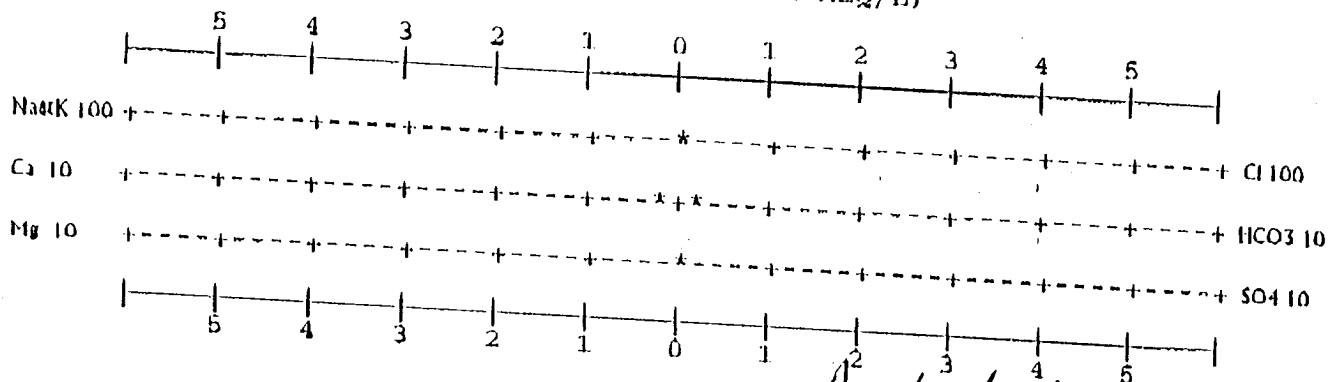
SPECIFIC GRAVITY: 1.000 @ 76°F PH: 7.05  
RESISTIVITY (MEASURED): 10.000 ohms @ 76°F  
IRON (FE++) : 0 ppm

|                |    |     |                        |   |         |
|----------------|----|-----|------------------------|---|---------|
| CALCIUM:       | 0  | ppm | SULFATE:               |   |         |
| MAGNESIUM:     | 24 | ppm | TOTAL HARDNESS         |   | 0 ppm   |
| CHLORIDE:      | 4  | ppm | BICARBONATE:           |   | 75 ppm  |
| SODIUM+POTASS: | 89 | ppm | SODIUM CHLORIDE (Calc) |   | 146 ppm |
| H2S: NO TRACE  | 78 | ppm | TOT. DISSOLVED SOLIDS: |   | 146 ppm |
|                |    |     | POTASSIUM (PPM):       | 4 | 388 ppm |

MUDDY WATER

## REMARKS

STIFF TYPE PLOT (IN MEQ/L)



ANALYST

<sup>2</sup> <sup>3</sup> <sup>4</sup>  
D. SHEPHERD

**BJ SERVICES COMPANY**  
**WATER ANALYSIS #FW01W580**  
**FARMINGTON LAB**

## GENERAL INFORMATION

OPERATOR: MALLON OIL  
WELL: POND WATER  
FIELD:  
SUBMITTED BY:  
WORKED BY :D. SHEPHERD  
PHONE NUMBER:

DEPTH:  
DATE SAMPLED: 08/02/99  
DATE RECEIVED: 08/02/99  
COUNTY: RIO ARriba STATE: NM  
FORMATION: N/A

**SAMPLE DESCRIPTION**

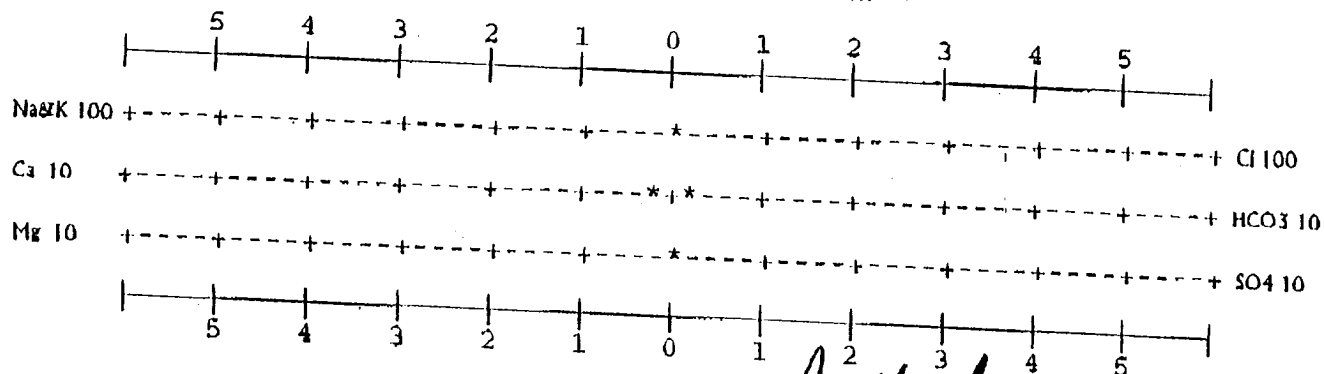
SAMPLED FROM STOCK POND BELOW JICARILLA 459-1

PHYSICAL AND CHEMICAL DETERMINATIONS

| SPECIFIC GRAVITY:        |         |                        |          |
|--------------------------|---------|------------------------|----------|
| RESISTIVITY (MEASURED ): | 1.000   | @ 75°F                 | PH: 7.52 |
| IRON (FE++) :            | 5.500   | ohms @ 74°F            |          |
| CALCIUM:                 | 0 ppm   | SULFATE:               | 0 ppm    |
| MAGNESIUM:               | 24 ppm  | TOTAL HARDNESS         | 80 ppm   |
| CHLORIDE:                | 5 ppm   | BICARBONATE:           | 122 ppm  |
| SODIUM+POTASS:           | 177 ppm | SODIUM CHLORIDE (Calc) | 292 ppm  |
| H2S: NO TRACE            | 124 ppm | TOT. DISSOLVED SOLIDS: | 503 ppm  |
|                          |         | POTASSIUM (PPM):       | 2        |

## REMARKS

STIFF TYPE PLOT (IN MEQ/L)



ANALYST

D. SHEPHERD