

RESULT OF WATER ANALYSE

38871

Mr. Tom Williams
To: 104 South Pecos, Midland, Texas 79701

LABORATORY NO. 3-10-88
SAMPLE RECEIVED 3-11-88
RESULTS REPORTED _____

COMPANY BTA Oil Producers LEASE Maddox Federal #1
FIELD OR POOL Antelope Ridge
SECTION Lea COUNTY Lea STATE NM
SOURCE OF SAMPLE AND DATE TAKEN: 3-9-88

SOURCE OF SAMPLE AND DATE TAKEN: San Joaquin Redwing #1 3-9-88

SOURCE OF SAMPLE AND DATE TAKEN:
NO. 1 Produced water - taken from Maddox Federal fl. 3-9-88

NO. 2

NO. 3

NO. 4

REMARKS:

| CHEMICAL AND PHYSICAL PROPERTIES | | | | |
|--------------------------------------|--------|-------|-------|-------|
| | NO. 1 | NO. 2 | NO. 3 | NO. 4 |
| Specific Gravity at 60° F. | 1.0018 | | | |
| pH When Sampled | | | | |
| pH When Received | 6.63 | | | |
| Bicarbonate as HCO ₃ | 28 | | | |
| Supersaturation as CaCO ₃ | | | | |
| Undersaturation as CaCO ₃ | | | | |
| Total Hardness as CaCO ₃ | 24 | | | |
| Calcium as Ca | 6 | | | |
| Magnesium as Mg | 2 | | | |
| Sodium and/or Potassium | 17 | | | |
| Sulfate as SO ₄ | 2 | | | |
| Chloride as Cl | 25 | | | |
| Iron as Fe | 11.3 | | | |
| Barium as Ba | 0 | | | |
| Turbidity, Electric | | | | |
| Color as Pt | | | | |
| Total Solids, Calculated | 80 | | | |
| Temperature °F. | | | | |
| Carbon Dioxide, Calculated | | | | |
| Dissolved Oxygen, Winkler | | | | |
| Hydrogen Sulfide | 0.0 | | | |
| Resistivity, ohms/m at 77° F. | 80.00 | | | |
| Suspended Oil | | | | |
| Filtrable Solids as mg/l | | | | |
| Volume Filtered, ml | | | | |
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Results Reported As Milligrams Per Liter

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Additional Determinations And Remarks It is apparent in the above results that this is essentially all condensed water vapor.