P. O. BOX 1468 MONAHANS, TEXAS 79756 PH. 943-3234 OR 563-1040

709 W. INDIANA MIDLAND, TEXAS 79701 PHONE 683-4521

39734

RESULT OF WATER ANALYSES

LABORATORY NO. _____

| TO: Mr. Mike Claiborne | | LABORATOR | | 10 07 | |
|--|--|-------------------|---------------------------------------|------------|--|
| P. O. Box 8206, Wichita Falls, TX 76307 | | _ SAMPLE RECEIVED | | 3-10-97 | |
| | d115, IX /030/ | . RESULTS REF | PORTED3- | 10-97 | |
| COMPANY Cobra Oil & Gas C | orporation | | Bronce Forms He | W T 1 7 % | |
| FIELD OR POOL | orporación | LEASE | Bronco Farms "S | rederal #5 | |
| SECTION BLOCK SURVEY. | 00111111 | Lea | In. | | |
| SOURCE OF SAMPLE AND DATE TAKEN | | пеа | STATENM | | |
| Produced water - tal | N: kan from Bronce Es | UCU T- 1 | 1 "5 0 | _ | |
| NO.1 Produced water - tal | ken from bronco ra | rms 5 red | eral #5. $3-/-9$ | 7 | |
| NO. 2 | | | <u> </u> | | |
| NO. 3 | | | · · · · · · · · · · · · · · · · · · · | | |
| NO. 4 | | | | | |
| REMARKS: | Devon | ian | | | |
| | CHEMICAL AND PHYS | CAL PROPERTIE | · c | | |
| | NO. 1 | NO. 2 | | NO. 4 | |
| Specific Gravity at 60° F. | 1.0505 | | | 10.4 | |
| pH When Sampled | | | | | |
| pH When Received | 6.3 | 8 | | | |
| Bicarbonate as HCO, | 567. | | | | |
| Supersaturation as CaCO, | | | | | |
| Undersaturation as CaCO ₃ | | | | | |
| Total Hardness as CaCO, | 8,050 | | Same to the second | | |
| Calcium as Ca | 2,580 | | | | |
| Magnesium as Mg | 389 | - | 13 | | |
| Sodium and/or Potassium | 21,769 | | | | |
| Sulfate as SO. | 1,298 | | | | |
| Chloride as CI | 37,985 | | | | |
| Iron as Fe | 1.6 | | | | |
| Barium as Ba | | | | | |
| Turbidity, Electric | | | | | |
| Color as Pt | | | | | |
| Total Solids, Calculated | 64,588 | | | | |
| Temperature *F. | | | | | |
| Carbon Dioxide, Calculated | | | | | |
| Dissolved Oxygen, | | | | | |
| Hydrogen Sulfide | 21.0 | | | | |
| Resistivity, ohms/m at 77* F. | 0.13 | 10 | | | |
| Suspended OII | | | | | |
| Filtrable Solids as mg/l | | | | | |
| Volume Filtered, ml | | | | | |
| | | | | | |
| | | | | | |
| | Decrite Control of the control | | | | |
| Additional Determinations And Remarks In (| Results Reported As Mil | | | | |
| find it correlates well wit | comparing this wat | er with our | records in thi | s area, we | |
| zind it collectates well wit | II what would be e | xpected 110 | m a natural bev | onian. | |
| | ······································ | | | | |
| | | | | | |
| | | | | | |
| | | | 7 | | |
| | | | | | |
| | | 70. | met / | | |
| orm No. 3 | | 7.77 | (believed | | |
| nin ino. 3 | | 1186 | URBALIAND | | |

Waylan C. Martin, M.A.