

Analysts & Consultants since 1953 Bacterial & Chemical Analysis

TO:

Fritz Schoch

LABORATORY NO.

0514-162 (page2)

ADDRESS:

PO Box 2760, Midland, TX 79702

SAMPLE RECEIVED:

5-5-14

COMPANY:

BOPCO

RESULTS REPORTED:

5-6-14

LEASE:

Poker Lake Unit

COUNTY, STATE:

Eddy, NM

FORMATION:

FIELD OR POOL

| FORMATION | | DESCRIPTION OF S | AMBI ES | | | | |
|---|--|--------------------------------------|---|-----------------|---------|--|--|
| No. 1 | Submitted water sample - take | | | | | | |
| No. 2 | | | | | | | |
| No. 3 | | | | | | | |
| No. 4 | Submitted water sample - take | | | | | | |
| Chemical and | Physical Properties (milligrams per liter) | No. 1 | No. 2 | No. 3 | No. 4 | | |
| Specific Gravi | ity @ 60°F. | 1.1509 | 1.1865 | 1.1825 | 1.1839 | | |
| pH When Sar | mpled | | | | 132323 | | |
| pH When Red | celved | 5.7 | 5.7 | 5.8 | 5.7 | | |
| Bicarbonate a | as HCO ₃ | 102 | 49 | 54 | 59 | | |
| | | | | | | | |
| Total Hardne | | 50,000 | 75,000 | 65,000 | 75,000 | | |
| Calcium, as C | The second of th | 16,800 | 26,000 | 21,600 | 26,000 | | |
| Magnesium, as Mg | | 1,944 | 2,430 | 2,673 | 2,673 | | |
| Sodium and/or Potassium | | 75,773 | 90,857 | 92,240 | 95,926 | | |
| Sulfate, as SO4 | | 333 | 100 | 110 | 103 | | |
| Chloride, as Cl | | 151,981 | 193,172 | 188,200 | 196,012 | | |
| Iron, as Fe | | 48 | 39 | 57 | 55 | | |
| Barlum, as Ba |) | 0 | 0 | 0 | (| | |
| Total Dissolve | ed Solids, Calculated | 246,933 | 312,607 | 304,876 | 317,576 | | |
| Carbon Dioxi | de, Calculated | 338 | 161 | 140 | 193 | | |
| Hydrogen Sul | Ifide | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Resistivity, of | nms/m @ 77*F. | 0.051 | 0.045 | 0.045 | 0.044 | | |
| Corrosiveness | | Severe | Severe | Severe | Severe | | |
| Barium Sulfate Scaling Tendency | | None | None | None | None | | |
| Calcium Carbonate 5.I. @ 77° F. (Stiff-Davis)* | | 0.43 | 2.32 | 1.78 | 2.34 | | |
| Calcium Carbonate S.I. @ 122° F. (Stiff-Davis)* | | 1.49 | 2.28 | 2.34 | 2.30 | | |
| Calcium Sulfate Scaling Tendency | | None | None | None | None | | |
| | | | | | | | |
| * Caklum Carbon | ate S.I A positive fig. signifies a scaling potential propor | tionate to the magnitude of the numb | ber, and a negative flg_signifies no so | aling potential | | | |

(432) 683-4521 * 709 W. Indiana, Midland, Texas 79701 * (fax) 682-8819

Remit to Address: P.O. Box 98, Midland, Texas 79702 Email: martinwaterlabs@nts-online.net

BOPCO Exhibit #15

OCD CASE NOS.

15219 AND 15231



Analysts & Consultants since 1953 Bacterial & Chemical Analysis

TO:

David Nelson

LABORATORY NO.

0814-110 (page 1)

ADDRESS:

6 Desta Drive, Suite 3700, Midland, TX 79705

SAMPLE RECEIVED:

BOPCO

7/30/14

COMPANY:

PLU 401

RESULTS REPORTED: 8/1/14

LEASE: FORMATION: COUNTY, STATE: FIELD OR POOL

| | | ADITE | | | |
|---|--------------------|---------|---------|---------|--|
| | DESCRIPTION OF SAN | NPLES . | | | |
| No. 1 Submitted water sample - taken 7 No. 2 Submitted water sample - taken 7 | | | | | |
| No. 3 Submitted water sample - taken 7 | | | | | |
| No. 4 Submitted water sample - taken 7 | | | | | |
| Chemical and Physical Properties (milligrams per liter) | | No. 2 | N . 2 | | |
| Specific Gravity @ 60°F. | No. 1 | No. 2 | No. 3 | No. 4 | |
| pH When Sampled | 1.1452 | 1.1455 | 1.1467 | 1.1457 | |
| pH When Received | | 6.4 | F 4 | | |
| Bicarbonate as HCO ₃ | 5.4 | 5.4 | 5.4 | 5.4 | |
| bicaruonate as noo3 | 137 | 127 | 137 | 98 | |
| 1 A 49 J 4 | | - | - | | |
| Total Hardness, as CaCO3 | 46,000 | 47,000 | 47,000 | 46,000 | |
| Calcium, as Ca | 15,600 | 15,600 | 15,600 | 15,600 | |
| Magnesium, as Mg | 1,701 | 1,944 | 1,944 | 1,701 | |
| Sodium and/or Potassium | 75,757 | 73,474 | 72,560 | 73,907 | |
| Sulfate, as SO4 | 277 | 327 | 334 | 294 | |
| Chloride, as Cl | 149,140 | 146,299 | 144,879 | 146,299 | |
| Iron, as Fe | 704 | 227 | 168 | 217 | |
| Barium, as Ba | 0 | 0 | 0 | 0 | |
| Total Dissolved Solids, Calculated | 242,611 | 237,771 | 235,454 | 237,900 | |
| Carbon Dioxide, Calculated | 902 | 837 | 902 | 644 | |
| Hydrogen Sulfide | 0.0 | 0.0 | 0.0 | 0.0 | |
| Resistivity, ohms/m @ 77°F. | 0.251 | 0.051 | 0.052 | 0.051 | |
| Corrosiveness | Severe | Severe | Severe | Severe | |
| Barium Sulfate Scaling Tendency | None | None | None | None | |
| Calcium Carbonate S.I. @ 77° F. (Stiff-Davis)* | 0.07 | 0.04 | 0.00 | -0.07 | |
| Calcium Carbonate S.I. @ 122° F. (Stiff-Davis)* | 1.02 | 0.99 | 0.90 | 0.88 | |
| Calcium Sulfate Scaling Tendency | None | None | None | None | |
| Strontium | 815 | 690 | 772 | 746 | |

Email: martinwaterlabs@nts-online.net



Analysts & Consultants since 1953 Bacterial & Chemical Analysis

TO:

David Nelson

Poker Lake Unit

LABORATORY NO.

0914-300

ADDRESS:

6 Desta Drive, Suite 3700, Midland, TX 79705

SAMPLE RECEIVED:

9/11/14

COMPANY:

BOPCO

RESULTS REPORTED:

9/12/14

LEASE:

COUNTY, STATE:

FORMATION:

FIELD OR POOL:

| Chemical and Physical Properties (milligrams per liter) | No. 1 | No. 2 | No. 3 | No. 4 |
|---|---------|---------|-------|-------|
| Specific Gravity @ 60°F. | 1.1675 | 1.1951 | | |
| pH When Received | 5.60 | 5.40 | | |
| Bicarbonate as HCO ₃ | 34 | 15 | | |
| | | | | |
| Total Hardness, as CaCO3 | 63,000 | 95,000 | | |
| Calcium, as Ca | 20,800 | 31,600 | | |
| Magnesium, as Mg | 2,673 | 3,888 | | |
| Sodium and/or Potassium | 90,874 | 94,520 | | |
| Sulfate, as SO4 | 229 | 131 | | |
| Chloride, as Cl | 184,600 | 213,000 | | |
| ron, as Fe | 112 | 133 | | |
| Barlum, as Ba | 0 | 0 | | |
| | | | | |
| Total Dissolved Solids, Calculated | 299,210 | 343,154 | | |
| | | | | |
| | | | | |
| Hydrogen Sulfide | 0.00 | 0.00 | | |
| Resistivity, ohms/m @ 77°F. | 0.045 | 0.042 | | |
| Strontium | - I - V | | | |
| | | | - | |
| | | | | |
| | | | | |

DESCRIPTION OF SAMPLES

REMARKS: The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By: Greg Ogden, B.S.



Analysts & Consultants since 1953 Bacterial & Chemical Analysis

TO:

David Nelson et al

LABORATORY NO.

1114-394 (page 3)

ADDRESS:

6 Desta Drive, Suite 3700, Midland, TX 79705 SAMPLE RECEIVED:

11/18/14

COMPANY:

BOPCO, LP

RESULTS REPORTED:

11/20/14

LEASE:

PLU

COUNTY, STATE:

FORMATION:

FIELD OR POOL:

| | | DESCRIPTION OF SHAFE | | | |
|---------------------------------|--|-----------------------|---------|---------|---------|
| No. 1 | Submitted water sample - taken 1 | 1/6/14 from # 393 H. | | | |
| No. 2 | Submitted water sample - taken 1 | 1/12/14 from # 393 H. | | | |
| No. 3 | Submitted water sample - taken 1 | 0/27/14 from # 401. | | | |
| No. 4 | Submitted water sample - taken 1 | 0/28/14 from # 401 H. | 1 | | |
| Chemical and | Physical Properties (milligrams per liter) | No. 1 | No. 2 | No. 3 | No. 4 |
| Specific Gravity @ 60°F. | | 1.2007 | 1.2045 | 1.1655 | 1.1668 |
| pH When Received | | 5.60 | 5.70 | 6.20 | 6.00 |
| Bicarbonate as HCO ₃ | | 20 | 15 | 59 | 68 |
| Total Hardne | ess, as CaCO3 | 75,000 | 75,000 | 57,000 | 63,000 |
| Calcium, as Ca | | 23,200 | 25,200 | 18,400 | 18,400 |
| Magnesium, as Mg | | 4,131 | 2,916 | 2,673 | 4,131 |
| Sodium and/or Potassium | | 87,138 | 84,370 | 76,196 | 69,749 |
| Sulfate, as SO4 | | 118 | 112 | 337 | 323 |
| Chloride, as Cl | | 187,440 | 183,180 | 157,620 | 151,940 |
| Iron, as Fe | | 59 | 65 | 92 | 43 |
| Barium, as Ba | a | 0 | 0 | 0 | 0 |
| Total Dissolv | ed Solids, Calculated | 302,046 | 295,793 | 255,285 | 244,611 |
| | | | | 4 | |
| | | | | | |
| | | | | | |

0.00

0.046

0.00

0.046

0.00

0.050

0.00

0.051

DESCRIPTION OF SAMPLES

Strontium

Hydrogen Sulfide

Resistivity, ohms/m @ 77°F.