

Received: Jan. 17, 1972 Reported: Jan. 28, 1972

Well: Location: Chevron SOBC Wm. W. Parkin

Operator: CHEVRON STANDARD LIMITED

Field or Area:

Elev.: K.B. Grd. Zone/Formation:

Sample Interval:

Method of Production: D.S.T. 1

Sampled from: Top of tool

Sampled by:

Date: Dec. 17, 1972

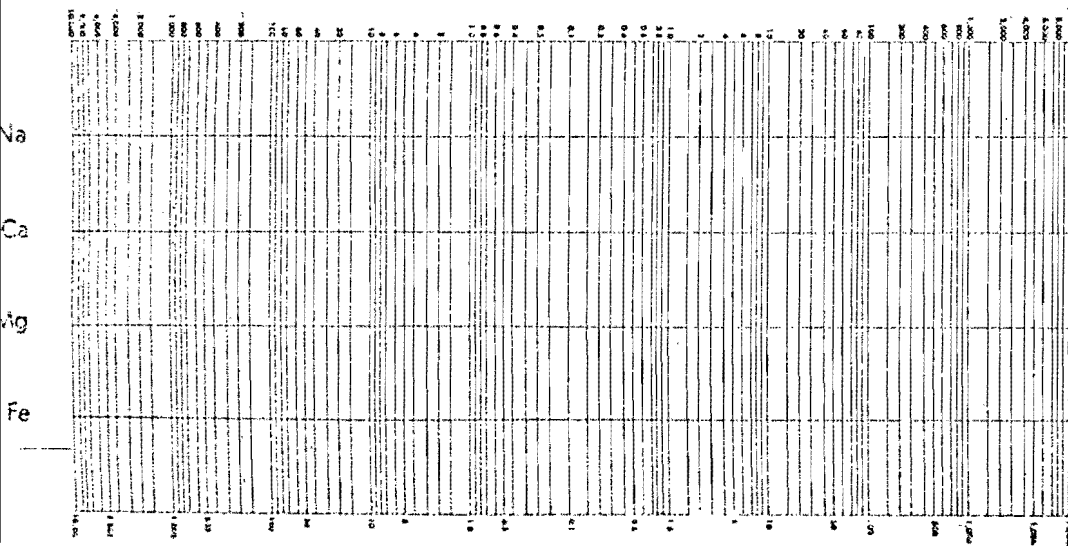
OTHER PERTINENT DATA Information as received on sample bottle.

(Signed)

| | Na ₂ | K | Ca | Mg | | | | | SO ₄ | Cl | | | CO ₃ | HCO ₃ | | |
|-------|-----------------|---|----|----|--|--|--|--|-----------------|-------|--|--|-----------------|------------------|--|--|
| Mg./L | | | | | | | | | | 370 | | | | | | |
| eq./L | | | | | | | | | | 10.43 | | | | | | |
| q. % | | | | | | | | | | | | | | | | |

Total Solids Mg/L: By Evaporation 2856 Fe present Specific Gravity @60°F Observed pH 8.6 @ 72 °F
 Calculated After Ignition 1732 H₂S Nil Refractive Index 1.3331 @25°C Resistivity 3.12 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

Analysis determined on a clear colorless filtrate recovered from mud. Much organic matter detected in evaporated total dissolved solids. Complete analysis not attempted due to lack of sample.



Received: Jan.18,1972 Reported: Jan.31,1972

Well: Location: Chevron Wm. Parkin

Operator: CHEVRON STANDARD LIMITED

Field or Area:

Elev.: K.B. Grd. Zone/Formation:

Sample Interval:

Method of Production: D.S.T. #3

Sampled from: 2000' from top

Sampled by:

Date: Dec.26,1971

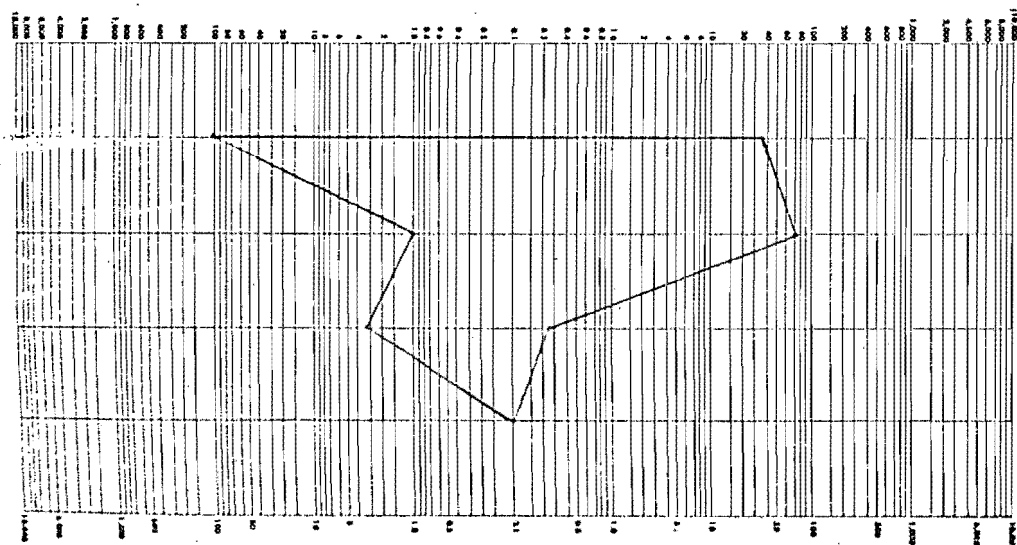
OTHER PERTINENT DATA

(Signed)

| | Na & K | Ca | Mg | | | | | SO ₄ | Cl | | | CO ₂ | HCO ₃ | | |
|-------|--------|------|------|--|--|--|--|-----------------|-------|--|--|-----------------|------------------|--|--|
| g./l | 2300 | 20 | 39 | | | | | 12 | 1200 | | | Trace | 4280 | | |
| mg./l | 100.07 | 1.00 | 3.21 | | | | | 0.25 | 33.84 | | | Trace | 70.19 | | |
| % | 47.98 | 0.48 | 1.54 | | | | | 0.12 | 16.23 | | | Trace | 33.65 | | |

Total Solids Mg/L: By Evaporation 9,540 Fe Nil Specific Gravity 1.015 @60°F Observed pH 8.3 @ 72 °F
 Calculated 7,851 After Ignition 5,288 H₂S Present Refractive Index 1.3346 @25°C Resistivity 0.806 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions

Analysis determined on pale green filtrate recovered from water containing a trace of sediment. Organic matter detected in evaporated total dissolved solids.

Cl

HCO₃

SO₄

CO₂

Received: Jan. 18, 1972 Reported: Jan. 28, 1972

Well: Location: Chevron SOBC Wm. W. Parkin

Operator: CHEVRON STANDARD LIMITED

Field or Area:

Elev.: K.B. Grd. Zone/Formation:

Sample Interval:

Method of Production: D.S.T. 6

Sampled from: 120' above tool

Sampled by: Johnston Testers Ltd. Date: Jan. 11, 1972

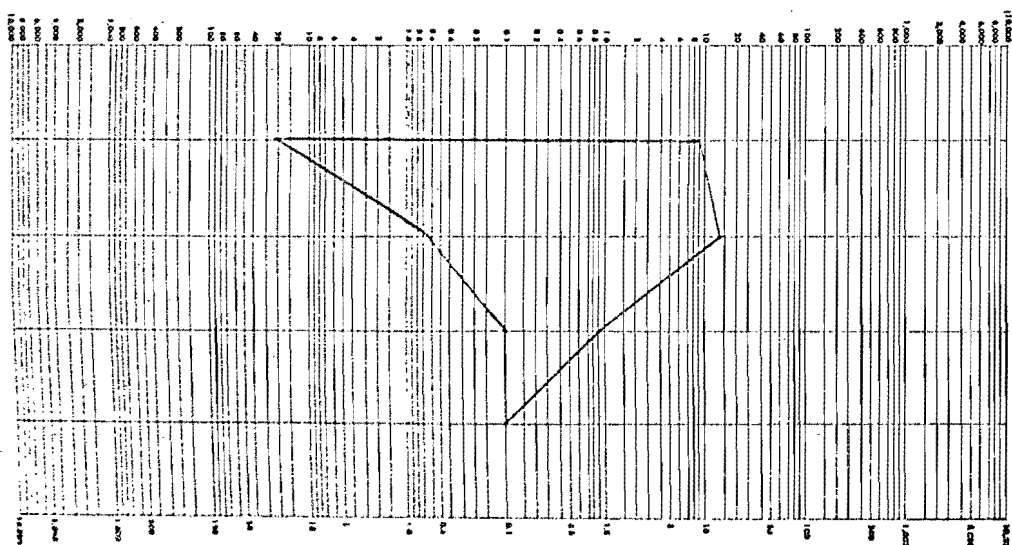
OTHER PERTINENT DATA Information is written on sample bottle.

(Signed)

| | Na & K | Ca | Mg | | | | | SO ₄ | Cl | | | CO ₂ | HCO ₃ | | |
|----|--------|------|-------|--|--|--|--|-----------------|------|--|--|-----------------|------------------|--|--|
| /L | 534 | 13 | Trace | | | | | 437 | 30 | | | | 850 | | |
| /L | 23.23 | 0.65 | Trace | | | | | 9.09 | 0.85 | | | | 13.94 | | |
| % | 48.64 | 1.36 | Trace | | | | | 19.03 | 1.78 | | | | 29.19 | | |

Total Solids Mg/L: By Evaporation 1746 Fe Much Specific Gravity 1.006 @60°F Observed pH 8.4 @ 72 °F
 Calculated 1864 After Ignition 1212 H₂S Nil Refractive Index 1.3363 @25°C Resistivity 4.93 ohm meters @ 68 °F

Pattern Unit Meq./L



Remarks and Conclusions
 Analysis determined on a clear colorless filtrate recovered from watery mud. Organic matter detected in evaporated total dissolved solids.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

Edmonton

Fort St. John

Calgary

GAS ANALYSIS REPORT: Lab. No. C72-4013-1 Received: Jan. 31, 1972 Reported: Feb. 7, 1972Well: Chevron SOBC W.M.W. Parkin C-33 Operator: CHEVRON STANDARD LIMITEDField or Area: _____ Location: _____ Elev.: K.B. Grd. _____

Zone and Formation: _____ Sample Interval: _____

Well production at sampling time: Oil _____ bpd; Gas _____ MCFD; Water _____ bpd.

Sampled from: _____ Sampled by: _____ Date: _____

Pressure: (a) at point of sampling _____ psig (b) Gas Bomb pressure _____ psig

Temperature: (a) at point of sampling _____ °F (b) Separator _____ °F

Pressures: Reservoir _____ Tubing _____ Casing _____ Separator _____

OTHER PERTINENT DATA: D.S.T. #1 Container Nos: C85, C10; Y98

(Signed)

| COMPOSITION | % by Volume | G.P.M. in Imp. Gal. @ 60°F. & 14.65 PSIA | G.P.M. (Calculated) | SPECIFIC GRAVITY |
|------------------|-------------|--|---------------------|---|
| Helium | 0.02 | | 0.064 | Calculated 0.635 |
| Hydrogen sulfide | 0. | | 0. | by Weight 0.628 |
| Carbon dioxide | 0.38 | | 0. | CRITICALS (Calculated) |
| Nitrogen | 0.93 | | 0.071 | Pc 672.2 |
| Methane | 88.33 | | 0.077 | Tc 369.6 |
| Ethane | 6.69 | | | VAPOR PRESSURE (Calc.) @ 100°F. Pentanes + 17.20 |
| Propane | 2.57 | 0.586 | | H ₂ S Grains per 100 cu. ft. @ 60°F. & 14.65 p.s.i.a. 0. |
| Isobutane | 0.30 | 0.081 | | GROSS B.T.U. (Calc.) @ 60°F. & 14.65 p.s.i.a. (dry) 1108.6 |
| N-butane | 0.57 | 0.149 | | (sat.) 1089.2 |
| Isopentane | 0.11 | 0.033 | | Acid Gas Free (dry) 1112.8 |
| N-pentane | 0.08 | 0.024 | | DEW POINT (Calc.) p.s.i. 950 1050 1200 |
| Hexanes | 0.02 | 0.007 | | FAH. -2 -3 -5 |
| Heptanes | TRCE | 0. | | Mol. Wt.: Total Gas 18.403 Heptanes + 0. |
| Octanes | TRCE | 0. | | C72-4013-1 D.S.T. #1. Sample received with a pressure of 85 psig at 72°F. |
| Nonanes | 0. | 0. | | C72-4013-2 D.S.T. #3. Sample received with zero pressure at 72°F. Insufficient sample for analysis. |
| Decanes + | 0. | 0. | | |
| TOTAL | 100.00 | 0.880 | | |