

CHEMICAL ANALYSIS

FOR

CHEVRON STANDARD LIMITED

CHEVRON SOBC IOE S CHANCE YT D 63  
CHANCE AREA  
N. W. T.

**CORE LABORATORIES - CANADA LTD.**

*Petroleum Reservoir Engineering*  
CALGARY - EDMONTON - REGINA



**CORE LABORATORIES – CANADA LTD.**  
 PETROLEUM RESERVOIR ENGINEERING



GAS ANALYSIS

Company Chevron Standard Limited Page 1 of 2  
 Well Chevron SOBC IOE S Chance YT D 63 File 921-2711  
 Field Chance Area, N. W. T. Analyst AB  
     65° 52' 09.00 N.L.  
 Location 137° 42' 51.00 W.L. Elevation: K.B. 2321' Grd. 2303'  
 Formation \_\_\_\_\_ Depth 5492' - 5617'  
 Sampled from DST #2 (Tool #522) by Johnson Testers  
 Sampling pressure \_\_\_\_\_ psig Sampling temp. \_\_\_\_\_ °F Ambient temp. \_\_\_\_\_ °F  
 Date sampled April 27/72 Date received July 31/72 Date analysed \_\_\_\_\_  
 Tool Opening Pressure: 110 psig @ 76°F Water cushion \_\_\_\_\_  
     DST Recovery: 1555' liquid.  
 Recovery or flowrate: Tool Recovery: 150 cc's of mud-water.

| <u>COMPONENT</u>  | <u>MOLE %</u> | <u>IMP. GPM @ 14.65 psia and 60°F</u> | <u>SPECIFIC GRAVITY</u>                                      |
|-------------------|---------------|---------------------------------------|--|
| Hydrogen          | <u>.00</u>    |                                       | Calculated <u>.686</u> Measured _____                        |
| Helium            | <u>.13</u>    |                                       |  |
| Nitrogen          | <u>1.08</u>   |                                       | <u>GROSS B.T.U. per SCF</u> <u>1194.1</u>                    |
| Carbon Dioxide    | <u>.00</u>    |                                       | Calculated @ 14.65 psia, 60°F, moisture and acid - gas free. |
| Hydrogen Sulphide | <u>.00</u>    |                                       |  |
| Methane           | <u>83.27</u>  |                                       | <u>VAPOR PRESSURE of PENTANES PLUS</u>                       |
| Ethane            | <u>8.59</u>   |                                       | (calculated) <u>9.9 psia @ 100°F</u>                         |
| Propane           | <u>4.56</u>   | <u>1.039</u>                          | Pseudo Critical Pressure <u>667.0</u> psia                   |
| Iso Butane        | <u>.51</u>    | <u>.138</u>                           | Pseudo Critical Temperature <u>386.0</u> °R                  |
| Normal Butane     | <u>.95</u>    | <u>.248</u>                           | Remarks _____  |
| Iso Pentane       | <u>.22</u>    | <u>.067</u>                           | _____  |
| Normal Pentane    | <u>.22</u>    | <u>.066</u>                           | _____  |
| Hexanes           | <u>.19</u>    | <u>.064</u>                           | _____  |
| Heptanes Plus     | <u>.28</u>    | <u>.105</u>                           | _____  |
| Total             | <u>100.00</u> | <u>1.727</u>                          | _____  |
| Pentanes Plus     |               | <u>.302</u>                           | _____  |



**CORE LABORATORIES — CANADA LTD.**  
PETROLEUM RESERVOIR ENGINEERING



Company Chevron Standard Limited Page 2 of 2  
Well Chevron SOBC IOE S Chance YT D 63 File 921-2711  
Field Chance Area, N. W. T. Analyst BJW  
Location 65° 52' 09.00 N.L.  
137° 42' 51.00 W.L. Elevation: K.B. 2321 Grd. 2303  
Formation Chance Depth 5492' - 5617'  
Sampled from DST #2 (Tool #522) by Johnston Testers  
Sampling pressure \_\_\_\_\_ psig Sampling temp. \_\_\_\_\_ °F Ambient temp. \_\_\_\_\_ °F  
Date sampled April 27/72 Date received Aug. 3/72 Date analysed Aug. 10/72  
Container pressure \_\_\_\_\_ Mud \_\_\_\_\_ Water cushion \_\_\_\_\_  
DST Recovery: 1555' liquid.  
Recovery or flowrate: Tool Recovery: 150 cc's of mud-water

MUD FILTRATE ANALYSIS

Resistivity - 1.52 Ohm-meters @ 77°F  
Chloride - 515 mg/litre