# FINAL WELL REPORT

for the
Onshore Well

# NHOC/PanCanadian Port au Port No. 1

These data are considered privileged and any disclosure shall be governed by s 53 of the Petroleum Regulations and/or s 154 of the Petroleum Drilling Regulations.

VOLUME 3

Appendix III
Downhole Logs

RELEASE DATE
AUG 1 1997
Petroleum Resource Development Division
Department of Mines and Energy

NEWFOUNDLAND HUNT OIL COMPANY INC.

JULY 1996

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## ACRONYMS

Note: The following presents most, but not all, the abbreviations encountered in the text of this report

ADW ..... Authority To Drill A Well
BOP ..... blow out preventer
COND ..... condensate
d ..... day
DPA ..... Drilling Program Approval
GR ..... Gamma Ray
h ..... hour
IADC ..... International Association of Drilling Contractors
kg ..... kilogram
km ..... kilometer
LCM ..... lost circulation material
m ..... meter
min ..... minute
mm ..... millimeter
mW ..... mega Watt
NAD ..... North America Datum
NHOC ..... Newfoundland Hunt Oil Company Inc.
OD ..... outside diameter
PAP ..... Port au Port
PCP ..... PanCanadian Petroleum Limited
RKB ..... rig kelly bushing
RWP ..... replaceable wear pad
SPF ..... shots per foot
UTM ..... Universal
WTR ..... Well Termination Record
XO ..... cross-over

## CONVERSION FACTORS

| English units | to | SI Units | multiply by |
|---|---|---|---|
| bbl | ..... | $m^3$ | ..... 0.1589873 |
| ft | ..... | m | ..... 0.3048 |
| hp | ..... | W | ..... 745.6999 |
| in | ..... | mm | ..... 25.4 |
| lb | ..... | kg | ..... 0.4535924 |
| mi | ..... | km | ..... 4.0234 |
| ppg | ..... | $kg/m^3$ | ..... 119.8264 |

dates ..... year - month - day
time ..... xx hr xx min

# FINAL WELL REPORT

# NHOC/PanCanadian Port au Port No. 1

## APPENDIX III

## DOWNHOLE LOGS

III - 1 Borehole Compensated Sonic ..... Schlumberger

**NEWFOUNDLAND HUNT OIL COMPANY INC.**

**JULY 1996**

# FINAL WELL REPORT

# NHOC/PanCanadian Port au Port No. 1

## APPENDIX III

## DOWNHOLE LOGS

III - 2 Compensated Neutron Lithology Density ..... Schlumberger

NEWFOUNDLAND HUNT OIL COMPANY INC.

JULY 1996

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## APPENDIX III

## DOWNHOLE LOGS

III - 3 Dual Laterlog MSFL ..... Schlumberger

**NEWFOUNDLAND HUNT OIL COMPANY INC.**

**JULY 1996**

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# NHOC/PanCanadian Port au Port No. 1

## APPENDIX III

## DOWNHOLE LOGS

III - 4 Phasor Induction SFL ..... Schlumberger

NEWFOUNDLAND HUNT OIL COMPANY INC.

JULY 1996

# FINAL WELL REPORT

# NHOC/PanCanadian Port au Port No. 1

## APPENDIX III

## DOWNHOLE LOGS

NOTE: The above logs are Continuous Spliced Logs"

III - 5 Directional Survey ..... Schlumberger

**NEWFOUNDLAND HUNT OIL COMPANY INC.**

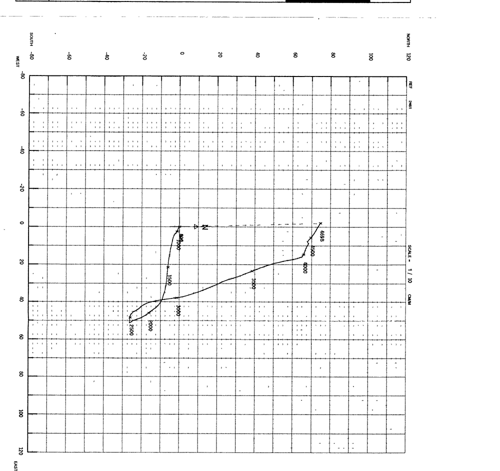
**JULY 1996**

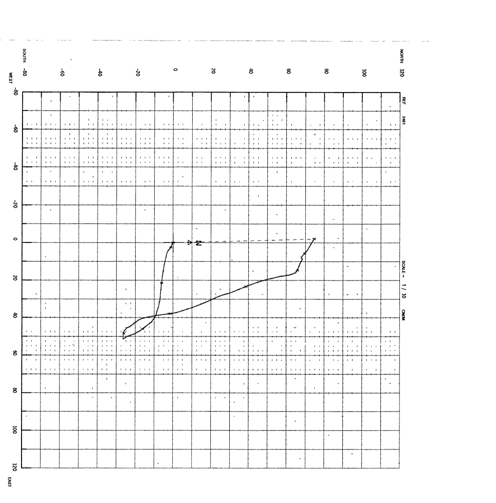
Schlumberger

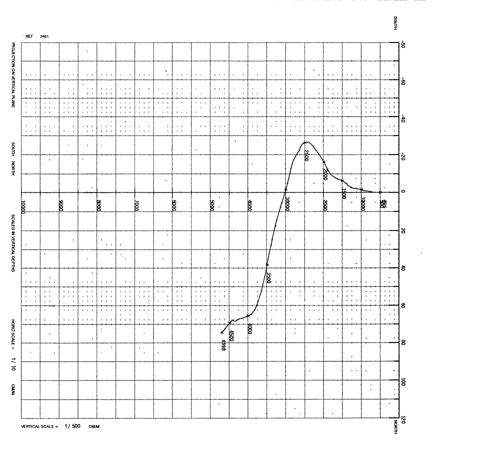
# DIRECTIONAL SURVEY

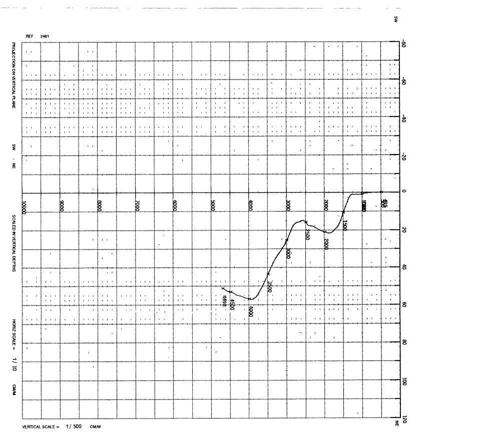
COMPANY HUNT OIL COMPANY
FIELD WILDCAT
WELL PORT AU PORT NO.1
COUNTRY N 5,372,856 E 335,490
RUN SEVEN
DATE LOGGED 8-JUN-1995
REFERENCE 2461

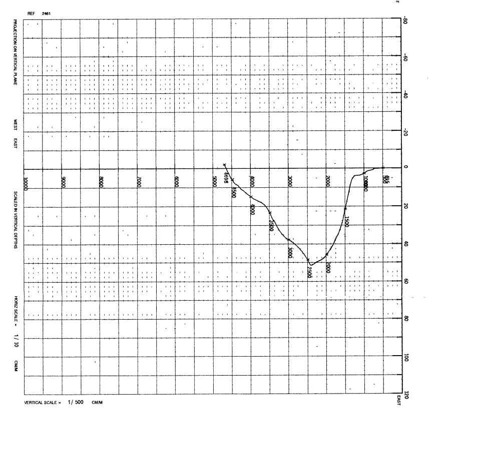
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions as set out in our current price Schedule

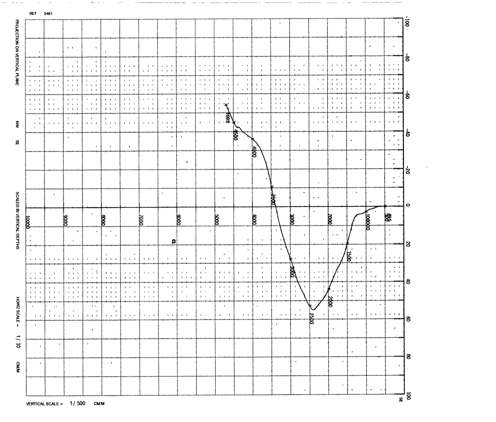



EXACT RADIUS OF CURVATURE METHOD

SURVEY IS CASING AT 495 1 M

TIE-IN LOCATION

| | | |
|---|---|---|
| MEASURED DEPTH | 495.10 | M |
| TRUE VERTICAL DEPTH | 495.10 | M |
| DISTANCE NORTH | 0.00 | M |
| DISTANCE EAST | 0 00 | M |

BOTTOM HOLE LOCATION

| | | |
|---|---|---|
| COURSE LENGTH | 74.66 | M |
| COURSE AZIMUTH | 358.42 | DEG |
| MEASURED DEPTH | 4697.88 | M |
| TRUE VERTICAL DEPTH | 4691.93 | M |
| DISTANCE NORTH | 74.63 | M |
| DISTANCE WEST | 2.06 | M |

REF 2461

* SCHLUMBERGER *

DIRETIONAL SURVEY

COMPANY : HUNT OIL COMPANY
WELL : PORT AU PORT NO.1
FIELD : WILDCAT
COUNTRY : N 5,372,856 E 335,490
RUN : SEVEN
REFERENCE : 2461
DATE LOGGED : 8-JUN-1995

SURVEY IS CASING AT 495.1 M

| MEAS. DEPTH M | DEVIATION DEGREES | AZIMUTH DEGREES | TRUE VERTICAL DEPTH M | COORDINATES + NORTH - SOUTH | COORDINATES + EAST - WEST | COURSE LENGTH M | DOG-LEG SEVERITY DEG / 10M |
|---|---|---|---|---|---|---|---|
| 495.1 | 0.2 | 190 | 495.1 | 0.0 | 0.0 | 0.0 | 5902.3 |
| 494.7 | 0.2 | 203 | 494.7 | 0.0 | 0.0 | 0.0 | 18219.9 |
| 500.0 | 0.2 | 51 | 500.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| 510.0 | 0.0 | 324 | 510.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| 520.0 | 0.1 | 264 | 520.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 530.0 | 0.2 | 212 | 530.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| 540.0 | 0.1 | 153 | 540.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| 550.0 | 0.2 | 95 | 550.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| 560.0 | 0.1 | 57 | 560.0 | 0.0 | 0.1 | 0.1 | 0.5 |
| 570.0 | 0.1 | 334 | 570.0 | 0.0 | 0.1 | 0.1 | 0.7 |
| 580.0 | 0.2 | 166 | 580.0 | 0.0 | 0.1 | 0.1 | 0.3 |
| 590.0 | 0.2 | 167 | 590.0 | -0.1 | 0.1 | 0.1 | 0.5 |
| 600.0 | 0.2 | 96 | 600.0 | -0.1 | 0.1 | 0.1 | 0.4 |
| 610.0 | 0.2 | 130 | 610.0 | -0.1 | 0.1 | 0.2 | 0.6 |
| 620.0 | 0.1 | 44 | 620.0 | -0.1 | 0.1 | 0.2 | 0.4 |
| 630.0 | 0.1 | 124 | 630.0 | -0.1 | 0.1 | 0.2 | 0.9 |
| 640.0 | 0.1 | 324 | 640.0 | -0.1 | 0.2 | 0.2 | 0.4 |
| 650.0 | 0.2 | 183 | 650.0 | -0.1 | 0.1 | 0.2 | 0.3 |
| 660.0 | 0.2 | 193 | 660.0 | -0.1 | 0.1 | 0.2 | 0.3 |
| 670.0 | 0.1 | 120 | 670.0 | -0.1 | 0.1 | 0.2 | 0.5 |
| 680.0 | 0.1 | 136 | 680.0 | -0.2 | 0.1 | 0.2 | 0.6 |
| 690.0 | 0.2 | 162 | 690.0 | -0.2 | 0.2 | 0.3 | 0.4 |
| 700.0 | 0.2 | 183 | 700.0 | -0.2 | 0.2 | 0.3 | 0.4 |
| 710.0 | 0.2 | 126 | 710.0 | -0.2 | 0.2 | 0.3 | 0.3 |
| 720.0 | 0.3 | 143 | 720.0 | -0.3 | 0.3 | 0.4 | 0.1 |
| 730.0 | 0.6 | 144 | 730.0 | -0.3 | 0.3 | 0.4 | 0.5 |
| 740.0 | 0.8 | 128 | 740.0 | -0.4 | 0.4 | 0.6 | 0.4 |
| 750.0 | 1.0 | 106 | 750.0 | -0.4 | 0.5 | 0.7 | 0.3 |
| 760.0 | 0.6 | 94 | 760.0 | -0.5 | 0.6 | 0.8 | 0.3 |
| 770.0 | 0.3 | 122 | 770.0 | -0.5 | 0.7 | 0.9 | 0.5 |
| 780.0 | 0.4 | 127 | 780.0 | -0.5 | 0.8 | 0.9 | 0.2 |
| 790.0 | 0.4 | 147 | 790.0 | -0.6 | 0.8 | 1.0 | 0.5 |
| 800.0 | 0.4 | 139 | 800.0 | -0.6 | 0.9 | 1.1 | 0.3 |
| 810.0 | 0.5 | 110 | 810.0 | -0.7 | 0.9 | 1.1 | 0.0 |
| 820.0 | 0.3 | 100 | 820.0 | -0.7 | 1.0 | 1.2 | 0.3 |
| 830.0 | 0.2 | 161 | 830.0 | -0.7 | 1.0 | 1.2 | 0.8 |
| 840.0 | 0.3 | 113 | 840.0 | -0.8 | 1.0 | 1.3 | 0.1 |
| 850.0 | 0.5 | 106 | 850.0 | -0.8 | 1.1 | 1.4 | 0.4 |
| 860.0 | 0.3 | 92 | 860.0 | -0.8 | 1.1 | 1.4 | 0.3 |
| 870.0 | 0.2 | 111 | 870.0 | -0.8 | 1.2 | 1.4 | 0.3 |
| 880.0 | 0.3 | 106 | 880.0 | -0.8 | 1.2 | 1.5 | 1.1 |
| 890.0 | 0.3 | 109 | 890.0 | -0.8 | 1.3 | 1.5 | 0.5 |
| 900.0 | 0.5 | 108 | 900.0 | -0.9 | 1.4 | 1.6 | 0.3 |
| 910.0 | 0.6 | 115 | 910.0 | -0.9 | 1.5 | 1.7 | 0.9 |
| 920.0 | 0.6 | 128 | 920.0 | -1.0 | 1.6 | 1.8 | 1.2 |
| 930.0 | 0.8 | 123 | 930.0 | -1.0 | 1.7 | 2.0 | 1.3 |
| 940.0 | 0.9 | 107 | 940.0 | -1.1 | 1.8 | 2.1 | 0.8 |
| 950.0 | 0.7 | 114 | 950.0 | -1.1 | 2.0 | 2.3 | 1.2 |
| 960.0 | 0.9 | 119 | 960.0 | -1.2 | 2.1 | 2.4 | 0.5 |
| 970.0 | 1.0 | 111 | 970.0 | -1.3 | 2.2 | 2.6 | 0.7 |
| 980.0 | 0.8 | 109 | 980.0 | -1.3 | 2.4 | 2.7 | 0.2 |
| 990.0 | 0.8 | 108 | 990.0 | -1.4 | 2.5 | 2.9 | 0.4 |
| 1000.0 | 1.0 | 123 | 1000.0 | -1.4 | 2.7 | 3.0 | 0.0 |
| 1010.0 | 0.8 | 122 | 1010.0 | -1.5 | 2.8 | 3.2 | 0.4 |
| 1020.0 | 0.8 | 126 | 1020.0 | -1.6 | 2.9 | 3.3 | 0.5 |
| 1030.0 | 0.7 | 123 | 1030.0 | -1.7 | 3.0 | 3.4 | 0.4 |
| 1040.0 | 0.5 | 108 | 1040.0 | -1.7 | 3.1 | 3.6 | 0.5 |
| 1050.0 | 0.4 | 97 | 1050.0 | -1.7 | 3.2 | 3.6 | 0.3 |
| 1060.0 | 0.5 | 116 | 1060.0 | -1.8 | 3.3 | 3.7 | 0.6 |
| 1070.0 | 0.4 | 130 | 1070.0 | -1.8 | 3.3 | 3.8 | 0.3 |
| 1080.0 | 0.4 | 134 | 1080.0 | -1.9 | 3.4 | 3.9 | 0.6 |
| 1090.0 | 0.5 | 108 | 1090.0 | -1.9 | 3.4 | 3.9 | 0.3 |
| 1100.0 | 0.4 | 103 | 1100.0 | -1.9 | 3.5 | 4.0 | 0.6 |
| 1110.0 | 0.3 | 93 | 1110.0 | -1.9 | 3.6 | 4.1 | 0.4 |
| 1120.0 | 0.2 | 149 | 1120.0 | -1.9 | 3.6 | 4.1 | 0.0 |
| 1130.0 | 0.4 | 176 | 1130.0 | -2.0 | 3.6 | 4.2 | 0.0 |
| 1140.0 | 0.3 | 152 | 1140.0 | -2.1 | 3.7 | 4.2 | 0.3 |
| 1150.0 | 0.2 | 111 | 1150.0 | -2.1 | 3.7 | 4.2 | 0.4 |
| 1160.0 | 0.1 | 234 | 1160.0 | -2.1 | 3.7 | 4.3 | 0.5 |
| 1170.0 | 0.2 | 186 | 1170.0 | -2.1 | 3.7 | 4.3 | 0.4 |
| 1180.0 | 0.4 | 163 | 1180.0 | -2.2 | 3.7 | 4.3 | 0.6 |
| 1190.0 | 0.2 | 114 | 1190.0 | -2.2 | 3.7 | 4.3 | 0.7 |
| 1200.0 | 0.2 | 123 | 1200.0 | -2.2 | 3.8 | 4.4 | 0.5 |
| 1210.0 | 0.3 | 147 | 1210.0 | -2.3 | 3.8 | 4.4 | 0.2 |
| 1220.0 | 0.5 | 155 | 1220.0 | -2.3 | 3.8 | 4.4 | 0.3 |
| 1230.0 | 0.6 | 157 | 1230.0 | -2.4 | 3.8 | 4.5 | 0.6 |
| 1240.0 | 0.7 | 152 | 1240.0 | -2.5 | 3.9 | 4.6 | 0.6 |
| 1250.0 | 0.9 | 130 | 1250.0 | -2.6 | 4.0 | 4.8 | 0.5 |
| 1260.0 | 1.2 | 131 | 1260.0 | -2.7 | 4.1 | 4.9 | 1.4 |
| 1270.0 | 1.7 | 125 | 1270.0 | -2.9 | 4.3 | 5.2 | 0.5 |
| 1280.0 | 1.8 | 116 | 1280.0 | -3.0 | 4.6 | 5.5 | 0.5 |
| 1290.0 | 2.2 | 110 | 1290.0 | -3.1 | 4.9 | 5.8 | 0.2 |
| 1300.0 | 2.6 | 106 | 1300.0 | -3.3 | 5.3 | 6.2 | 1.2 |
| 1310.0 | 2.9 | 106 | 1309.9 | -3.4 | 5.7 | 6.7 | 0.6 |
| 1320.0 | 3.3 | 105 | 1319.9 | -3.6 | 6.3 | 7.2 | 0.5 |
| 1330.0 | 3.7 | 101 | 1329.9 | -3.7 | 6.8 | 7.8 | 0.5 |
| 1340.0 | 4.0 | 101 | 1339.9 | -3.8 | 7.5 | 8.4 | 0.6 |
| 1350.0 | 4.6 | 103 | 1349.9 | -4.0 | 8.2 | 9.1 | 0.9 |
| 1360.0 | 5.0 | 102 | 1359.8 | -4.2 | 9.0 | 10.0 | 0.9 |
| 1370.0 | 5.2 | 103 | 1369.8 | -4.4 | 9.9 | 10.8 | 0.5 |
| 1380.0 | 5.3 | 103 | 1379.7 | -4.6 | 10.8 | 11.7 | 0.7 |
| 1390.0 | 5.5 | 103 | 1389.7 | -4.8 | 11.7 | 12.7 | 0.4 |
| 1400.0 | 5.3 | 99 | 1399.7 | -5.0 | 12.7 | 13.6 | 0.0 |
| 1410.0 | 5.2 | 99 | 1409.6 | -5.1 | 13.6 | 14.5 | 0.2 |
| 1420.0 | 5.2 | 99 | 1419.6 | -5.3 | 14.5 | 15.4 | 0.0 |
| 1430.0 | 5.2 | 99 | 1429.5 | -5.4 | 15.4 | 16.3 | 0.4 |
| 1440.0 | 5.1 | 100 | 1439.5 | -5.6 | 16.3 | 17.2 | 0.0 |
| 1450.0 | 5.2 | 99 | 1449.4 | -5.7 | 17.2 | 18.1 | 0.3 |
| 1460.0 | 5.0 | 99 | 1459.4 | -5.9 | 18.0 | 19.0 | 0.1 |
| 1470.0 | 5.1 | 97 | 1469.4 | -6.0 | 18.9 | 19.8 | 0.5 |
| 1480.0 | 5.2 | 97 | 1479.3 | -6.1 | 19.8 | 20.7 | 0.7 |
| 1490.0 | 5.2 | 97 | 1489.3 | -6.2 | 20.7 | 21.6 | 0.3 |
| 1500.0 | 5.3 | 94 | 1499.2 | -6.3 | 21.6 | 22.5 | 0.3 |
| 1510.0 | 5.5 | 95 | 1509.2 | -6.4 | 22.5 | 23.4 | 0.5 |
| 1520.0 | 5.5 | 95 | 1519.2 | -6.4 | 23.5 | 24.3 | 0.8 |
| 1530.0 | 5.5 | 93 | 1529.1 | -6.5 | 24.4 | 25.3 | 1.6 |
| 1540.0 | 4.9 | 97 | 1539.1 | -6.6 | 25.3 | 26.2 | 0.4 |
| 1550.0 | 4.9 | 96 | 1549.0 | -6.7 | 26.2 | 27.0 | 1.4 |
| 1560.0 | 5.0 | 95 | 1559.0 | -6.8 | 27.0 | 27.9 | 0.3 |
| 1570.0 | 4.5 | 93 | 1569.0 | -6.9 | 27.9 | 28.7 | 0.6 |
| 1580.0 | 4.1 | 95 | 1578.9 | -6.9 | 28.6 | 29.4 | 0.5 |
| 1590.0 | 4.1 | 95 | 1588.9 | -7.0 | 29.3 | 30.1 | 0.6 |
| 1600.0 | 3.6 | 96 | 1598.9 | -7.0 | 30.0 | 30.8 | 0.4 |
| 1610.0 | 3.6 | 98 | 1608.9 | -7.1 | 30.6 | 31.4 | 0.2 |
| 1620.0 | 3.6 | 98 | 1618.8 | -7.2 | 31.2 | 32.0 | 0.4 |
| 1630.0 | 3.5 | 100 | 1628.8 | -7.3 | 31.8 | 32.7 | 0.5 |
| 1640.0 | 3.2 | 98 | 1638.8 | -7.4 | 32.4 | 33.2 | 0.1 |
| 1650.0 | 3.2 | 102 | 1648.8 | -7.5 | 32.9 | 33.8 | 0.4 |
| 1660.0 | 3.0 | 103 | 1658.8 | -7.6 | 33.5 | 34.3 | 0.2 |
| 1670.0 | 3.0 | 106 | 1668.8 | -7.7 | 34.0 | 34.9 | 0.6 |
| 1680.0 | 2.8 | 107 | 1678.8 | -7.9 | 34.5 | 35.4 | 1.4 |
| 1690.0 | 2.7 | 107 | 1688.7 | -8.0 | 34.9 | 35.8 | 0.2 |
| 1700.0 | 2.6 | 108 | 1698.7 | -8.1 | 35.4 | 36.3 | 0.2 |
| 1710.0 | 2.5 | 110 | 1708.7 | -8.3 | 35.8 | 36.7 | 0.6 |
| 1720.0 | 2.6 | 108 | 1718.7 | -8.4 | 36.2 | 37.2 | 0.3 |
| 1730.0 | 2.7 | 107 | 1728.7 | -8.6 | 36.7 | 37.7 | 0.1 |
| 1740.0 | 2.5 | 103 | 1738.7 | -8.7 | 37.1 | 38.1 | 0.6 |
| 1750.0 | 2.5 | 103 | 1748.7 | -8.8 | 37.5 | 38.6 | 0.3 |
| 1760.0 | 2.3 | 106 | 1758.7 | -8.9 | 37.9 | 39.0 | 0.2 |
| 1770.0 | 2.5 | 108 | 1768.7 | -9.0 | 38.3 | 39.4 | 0.9 |
| 1780.0 | 2.6 | 116 | 1778.7 | -9.2 | 38.7 | 39.8 | 0.5 |
| 1790.0 | 2.6 | 116 | 1788.6 | -9.4 | 39.1 | 40.2 | 0.3 |
| 1800.0 | 2.9 | 116 | 1798.6 | -9.6 | 39.6 | 40.7 | 0.3 |
| 1810.0 | 2.8 | 116 | 1808.6 | -9.8 | 40.0 | 41.2 | 0.5 |
| 1820.0 | 2.7 | 123 | 1818.6 | -10.0 | 40.4 | 41.7 | 0.5 |
| 1830.0 | 2.6 | 128 | 1828.6 | -10.3 | 40.8 | 42.1 | 0.7 |
| 1840.0 | 2.7 | 128 | 1838.6 | -10.6 | 41.2 | 42.5 | 0.6 |
| 1850.0 | 2.6 | 129 | 1848.6 | -10.9 | 41.5 | 42.9 | 2.3 |
| 1860.0 | 2.6 | 132 | 1858.6 | -11.2 | 41.8 | 43.3 | 0.9 |
| 1870.0 | 2.8 | 135 | 1868.6 | -11.5 | 42.2 | 43.7 | 0.4 |
| 1880.0 | 2.7 | 138 | 1878.5 | -11.8 | 42.5 | 44.1 | 0.1 |
| 1890.0 | 2.7 | 140 | 1888.5 | -12.2 | 42.8 | 44.5 | 0.4 |
| 1900.0 | 2.8 | 144 | 1898.5 | -12.6 | 43.1 | 44.9 | 0.4 |
| 1910.0 | 2.7 | 145 | 1908.5 | -13.0 | 43.4 | 45.3 | 0.4 |
| 1920.0 | 2.7 | 144 | 1918.5 | -13.4 | 43.7 | 45.7 | 0.6 |
| 1930.0 | 2.7 | 145 | 1928.5 | -13.7 | 43.9 | 46.0 | 0.5 |
| 1940.0 | 2.7 | 141 | 1938.5 | -14.1 | 44.2 | 46.4 | 0.3 |
| 1950.0 | 2.9 | 139 | 1948.5 | -14.5 | 44.5 | 46.8 | 0.9 |
| 1960.0 | 2.7 | 139 | 1958.5 | -14.9 | 44.8 | 47.2 | 0.5 |
| 1970.0 | 2.6 | 141 | 1968.4 | -15.2 | 45.1 | 47.6 | 0.5 |
| 1980.0 | 2.5 | 141 | 1978.4 | -15.5 | 45.4 | 48.0 | 0.5 |
| 1990.0 | 2.8 | 140 | 1988.4 | -15.9 | 45.7 | 48.4 | 1.3 |
| 2000.0 | 2.5 | 139 | 1998.4 | -16.2 | 46.0 | 48.8 | 1.3 |
| 2010.0 | 2.4 | 143 | 2008.4 | -16.6 | 46.3 | 49.1 | 0.7 |
| 2020.0 | 2.6 | 146 | 2018.4 | -16.9 | 46.5 | 49.5 | 0.3 |
| 2030.0 | 2.5 | 145 | 2028.4 | -17.3 | 46.8 | 49.9 | 0.1 |
| 2040.0 | 2.3 | 148 | 2038.4 | -17.6 | 47.0 | 50.2 | 0.4 |
| 2050.0 | 2.2 | 150 | 2048.4 | -17.9 | 47.2 | 50.5 | 0.2 |
| 2060.0 | 2.1 | 148 | 2058.4 | -18.3 | 47.4 | 50.8 | 0.6 |
| 2070.0 | 2.0 | 151 | 2068.4 | -18.6 | 47.6 | 51.1 | 0.2 |
| 2080.0 | 2.0 | 149 | 2078.3 | -18.9 | 47.8 | 51.4 | 0.1 |
| 2090.0 | 2.0 | 150 | 2088.3 | -19.2 | 48.0 | 51.7 | 0.3 |
| 2100.0 | 1.9 | 149 | 2098.3 | -19.5 | 48.1 | 51.9 | 0.1 |
| 2110.0 | 1.9 | 151 | 2108.3 | -19.8 | 48.3 | 52.2 | 0.2 |
| 2120.0 | 1.9 | 152 | 2118.3 | -20.1 | 48.5 | 52.5 | 0.4 |
| 2130.0 | 1.9 | 155 | 2128.3 | -20.4 | 48.6 | 52.7 | 0.5 |
| 2140.0 | 1.7 | 159 | 2138.3 | -20.7 | 48.7 | 53.0 | 0.5 |
| 2150.0 | 2.2 | 169 | 2148.3 | -21.0 | 48.8 | 53.2 | 1.9 |
| 2160.0 | 1.7 | 160 | 2158.3 | -21.3 | 49.0 | 53.4 | 1.0 |
| 2170.0 | 1.6 | 165 | 2168.3 | -21.6 | 49.0 | 53.6 | 0.9 |
| 2180.0 | 1.6 | 163 | 2178.3 | -21.9 | 49.1 | 53.8 | 0.6 |
| 2190.0 | 1.4 | 159 | 2188.3 | -22.1 | 49.2 | 54.0 | 0.4 |
| 2200.0 | 1.5 | 166 | 2198.3 | -22.3 | 49.3 | 54.1 | 0.8 |
| 2210.0 | 1.6 | 160 | 2208.3 | -22.6 | 49.4 | 54.3 | 1.2 |
| 2220.0 | 1.5 | 161 | 2218.3 | -22.8 | 49.5 | 54.5 | 0.9 |
| 2230.0 | 1.4 | 159 | 2228.3 | -23.1 | 49.6 | 54.7 | 0.5 |
| 2240.0 | 1.6 | 161 | 2238.3 | -23.3 | 49.7 | 54.8 | 1.3 |
| 2250.0 | 1.5 | 159 | 2248.3 | -23.6 | 49.7 | 55.0 | 0.6 |
| 2260.0 | 1.6 | 160 | 2258.3 | -23.8 | 49.8 | 55.2 | 0.4 |
| 2270.0 | 2.3 | 156 | 2268.3 | -24.1 | 50.0 | 55.5 | 0.6 |
| 2280.0 | 2.0 | 153 | 2278.2 | -24.5 | 50.1 | 55.8 | 0.7 |
| 2290.0 | 1.4 | 149 | 2288.2 | -24.7 | 50.3 | 56.0 | 0.0 |
| 2300.0 | 1.3 | 144 | 2298.2 | -24.9 | 50.4 | 56.2 | 0.6 |
| 2310.0 | 1.8 | 151 | 2308.2 | -25.2 | 50.5 | 56.4 | 1.4 |
| 2320.0 | 1.3 | 136 | 2318.2 | -25.4 | 50.7 | 56.7 | 0.3 |
| 2330.0 | 1.1 | 142 | 2328.2 | -25.5 | 50.8 | 56.9 | 0.5 |
| 2340.0 | 1.2 | 148 | 2338.2 | -25.7 | 50.9 | 57.0 | 0.4 |
| 2350.0 | 1.4 | 143 | 2348.2 | -25.8 | 51.1 | 57.2 | 0.4 |
| 2360.0 | 1.1 | 152 | 2358.2 | -26.0 | 51.2 | 57.4 | 0.5 |
| 2370.0 | 1.0 | 152 | 2368.2 | -26.2 | 51.3 | 57.6 | 0.2 |
| 2380.0 | 1.0 | 157 | 2378.2 | -26.4 | 51.3 | 57.7 | 0.7 |
| 2390.0 | 0.6 | 145 | 2388.2 | -26.5 | 51.4 | 57.8 | 0.0 |
| 2400.0 | 0.1 | 166 | 2398.2 | -26.5 | 51.4 | 57.9 | 0.2 |
| 2410.0 | 0.4 | 285 | 2408.2 | -26.5 | 51.4 | 57.9 | 0.4 |
| 2420.0 | 0.9 | 279 | 2418.2 | -26.5 | 51.3 | 57.8 | 0.4 |
| 2430.0 | 1.2 | 288 | 2428.2 | -26.5 | 51.1 | 57.6 | 0.3 |
| 2440.0 | 1.8 | 266 | 2438.2 | -26.5 | 50.9 | 57.4 | 0.7 |
| 2450.0 | 2.0 | 269 | 2448.2 | -26.5 | 50.5 | 57.1 | 0.7 |
| 2460.0 | 2.0 | 279 | 2458.2 | -26.5 | 50.2 | 56.8 | 0.9 |
| 2470.0 | 2.5 | 277 | 2468.2 | -26.4 | 49.8 | 56.4 | 1.2 |
| 2480.0 | 2.5 | 281 | 2478.2 | -26.4 | 49.4 | 56.0 | 0.7 |
| 2490.0 | 2.6 | 281 | 2488.2 | -26.3 | 48.9 | 55.5 | 1.2 |
| 2500.0 | 2.6 | 279 | 2498.2 | -26.2 | 48.5 | 55.1 | 0.2 |
| 2510.0 | 2.6 | 145 | 2508.2 | -26.1 | 48.1 | 54.7 | 31.4 |
| 2520.0 | 2.2 | 292 | 2518.1 | -26.1 | 47.9 | 54.5 | 1.3 |
| 2530.0 | 1.9 | 285 | 2528.1 | -26.0 | 47.6 | 54.2 | 3.6 |
| 2540.0 | 2.2 | 290 | 2538.1 | -25.9 | 47.3 | 53.9 | 1.4 |
| 2550.0 | 2.5 | 302 | 2548.1 | -25.8 | 46.9 | 53.5 | 0.9 |
| 2560.0 | 2.6 | 309 | 2558.1 | -25.5 | 46.5 | 53.1 | 0.8 |
| 2570.0 | 2.7 | 314 | 2568.1 | -25.2 | 46.2 | 52.6 | 0.1 |
| 2580.0 | 2.8 | 318 | 2578.1 | -24.9 | 45.9 | 52.2 | 0.4 |
| 2590.0 | 2.8 | 322 | 2588.1 | -24.5 | 45.5 | 51.7 | 0.4 |
| 2600.0 | 2.8 | 326 | 2598.1 | -24.1 | 45.3 | 51.3 | 0.2 |
| 2610.0 | 2.8 | 329 | 2608.1 | -23.7 | 45.0 | 50.9 | 0.0 |
| 2620.0 | 2.8 | 331 | 2618.0 | -23.3 | 44.8 | 50.4 | 0.1 |
| 2630.0 | 2.7 | 329 | 2628.0 | -22.8 | 44.5 | 50.0 | 0.5 |
| 2640.0 | 2.7 | 328 | 2638.0 | -22.4 | 44.3 | 49.6 | 0.0 |
| 2650.0 | 2.6 | 327 | 2648.0 | -22.0 | 44.0 | 49.2 | 0.2 |
| 2660.0 | 2.4 | 321 | 2658.0 | -21.7 | 43.8 | 48.8 | 0.0 |
| 2670.0 | 2.3 | 319 | 2668.0 | -21.3 | 43.5 | 48.5 | 0.3 |
| 2680.0 | 2.4 | 318 | 2678.0 | -21.0 | 43.2 | 48.1 | 0.2 |
| 2690.0 | 2.3 | 321 | 2688.0 | -20.7 | 43.0 | 47.7 | 0.2 |
| 2700.0 | 2.3 | 324 | 2698.0 | -20.4 | 42.7 | 47.4 | 0.0 |
| 2710.0 | 2.3 | 325 | 2708.0 | -20.1 | 42.5 | 47.0 | 0.0 |
| 2720.0 | 2.3 | 325 | 2718.0 | -19.7 | 42.3 | 46.7 | 0.1 |
| 2730.0 | 2.3 | 327 | 2727.9 | -19.4 | 42.0 | 46.3 | 0.3 |
| 2740.0 | 2.4 | 329 | 2737.9 | -19.1 | 41.8 | 46.0 | 0.2 |
| 2750.0 | 2.4 | 330 | 2747.9 | -18.7 | 41.6 | 45.6 | 0.1 |
| 2760.0 | 2.4 | 332 | 2757.9 | -18.3 | 41.4 | 45.3 | 0.4 |
| 2770.0 | 2.4 | 334 | 2767.9 | -18.0 | 41.2 | 45.0 | 0.0 |
| 2780.0 | 2.5 | 335 | 2777.9 | -17.6 | 41.0 | 44.6 | 0.0 |
| 2790.0 | 2.6 | 336 | 2787.9 | -17.2 | 40.8 | 44.3 | 0.2 |
| 2800.0 | 2.8 | 339 | 2797.9 | -16.7 | 40.7 | 44.0 | 0.2 |
| 2810.0 | 3.0 | 340 | 2807.9 | -16.3 | 40.5 | 43.6 | 0.0 |
| 2820.0 | 3.5 | 343 | 2817.9 | -15.7 | 40.3 | 43.3 | 0.3 |
| 2830.0 | 3.9 | 344 | 2827.8 | -15.1 | 40.1 | 42.9 | 0.0 |
| 2840.0 | 4.1 | 345 | 2837.8 | -14.4 | 39.9 | 42.5 | 0.3 |
| 2850.0 | 4.3 | 348 | 2847.8 | -13.7 | 39.8 | 42.1 | 0.1 |
| 2860.0 | 4.4 | 349 | 2857.8 | -13.0 | 39.6 | 41.7 | 0.0 |
| 2870.0 | 4.6 | 350 | 2867.7 | -12.2 | 39.5 | 41.3 | 0.3 |
| 2880.0 | 4.7 | 350 | 2877.7 | -11.4 | 39.3 | 41.0 | 0.2 |
| 2890.0 | 4.8 | 350 | 2887.7 | -10.6 | 39.2 | 40.6 | 0.2 |
| 2900.0 | 4.8 | 351 | 2897.6 | -9.8 | 39.0 | 40.2 | 0.3 |
| 2910.0 | 4.9 | 351 | 2907.6 | -8.9 | 38.9 | 39.9 | 0.0 |
| 2920.0 | 4.9 | 352 | 2917.5 | -8.1 | 38.8 | 39.6 | 0.2 |
| 2930.0 | 4.9 | 352 | 2927.5 | -7.2 | 38.7 | 39.3 | 0.2 |
| 2940.0 | 4.9 | 352 | 2937.5 | -6.4 | 38.5 | 39.1 | 0.0 |
| 2950.0 | 5.0 | 352 | 2947.4 | -5.5 | 38.4 | 38.8 | 0.1 |
| 2960.0 | 5.0 | 352 | 2957.4 | -4.7 | 38.3 | 38.6 | 0.2 |
| 2970.0 | 4.9 | 353 | 2967.4 | -3.8 | 38.2 | 38.4 | 0.2 |
| 2980.0 | 4.7 | 352 | 2977.3 | -3.0 | 38.1 | 38.2 | 0.3 |
| 2990.0 | 4.4 | 352 | 2987.3 | -2.2 | 38.0 | 38.0 | 0.4 |
| 3000.0 | 4.3 | 352 | 2997.3 | -1.5 | 37.9 | 37.9 | 0.3 |
| 3010.0 | 4.1 | 352 | 3007.2 | -0.7 | 37.8 | 37.8 | 0.0 |
| 3020.0 | 4.0 | 351 | 3017.2 | 0.0 | 37.7 | 37.7 | 0.1 |
| 3030.0 | 3.9 | 349 | 3027.2 | 0.6 | 37.5 | 37.5 | 0.0 |
| 3040.0 | 3.9 | 348 | 3037.2 | 1.3 | 37.4 | 37.4 | 0.2 |
| 3050.0 | 3.8 | 348 | 3047.1 | 2.0 | 37.3 | 37.3 | 0.1 |
| 3060.0 | 3.8 | 346 | 3057.1 | 2.6 | 37.1 | 37.2 | 0.0 |
| 3070.0 | 3.8 | 344 | 3067.1 | 3.2 | 36.9 | 37.1 | 0.2 |
| 3080.0 | 3.7 | 342 | 3077.1 | 3.9 | 36.7 | 36.9 | 0.0 |
| 3090.0 | 3.7 | 342 | 3087.1 | 4.5 | 36.5 | 36.8 | 0.0 |
| 3100.0 | 3.7 | 342 | 3097.0 | 5.1 | 36.3 | 36.7 | 0.1 |
| 3110.0 | 3.8 | 343 | 3107.0 | 5.7 | 36.2 | 36.6 | 0.2 |
| 3120.0 | 3.9 | 341 | 3117.0 | 6.4 | 35.9 | 36.5 | 0.3 |
| 3130.0 | 3.9 | 341 | 3127.0 | 7.0 | 35.7 | 36.4 | 0.0 |
| 3140.0 | 4.0 | 341 | 3137.0 | 7.6 | 35.5 | 36.3 | 0.3 |
| 3150.0 | 4.0 | 340 | 3146.9 | 8.3 | 35.3 | 36.2 | 0.0 |
| 3160.0 | 4.1 | 340 | 3156.9 | 9.0 | 35.0 | 36.2 | 0.4 |
| 3170.0 | 4.1 | 340 | 3166.9 | 9.7 | 34.8 | 36.1 | 0.0 |
| 3180.0 | 4.2 | 340 | 3176.9 | 10.3 | 34.6 | 36.1 | 0.0 |
| 3190.0 | 4.2 | 339 | 3186.8 | 11.0 | 34.3 | 36.0 | 0.5 |
| 3200.0 | 4.4 | 339 | 3196.8 | 11.7 | 34.0 | 36.0 | 0.4 |
| 3210.0 | 4.2 | 339 | 3206.8 | 12.4 | 33.8 | 36.0 | 0.0 |
| 3220.0 | 4.2 | 338 | 3216.7 | 13.1 | 33.5 | 36.0 | 0.0 |
| 3230.0 | 4.3 | 339 | 3226.7 | 13.8 | 33.2 | 36.0 | 0.0 |
| 3240.0 | 4.3 | 338 | 3236.7 | 14.5 | 32.9 | 36.0 | 0.0 |
| 3250.0 | 4.3 | 336 | 3246.7 | 15.2 | 32.7 | 36.0 | 0.4 |
| 3260.0 | 4.6 | 336 | 3256.6 | 15.9 | 32.3 | 36.0 | 0.7 |
| 3270.0 | 4.8 | 336 | 3266.6 | 16.6 | 32.0 | 36.1 | 0.3 |
| 3280.0 | 4.9 | 336 | 3276.6 | 17.4 | 31.7 | 36.1 | 0.0 |
| 3290.0 | 5.0 | 337 | 3286.5 | 18.2 | 31.3 | 36.2 | 0.9 |
| 3300.0 | 5.2 | 336 | 3296.5 | 19.0 | 30.9 | 36.3 | 0.2 |
| 3310.0 | 5.2 | 336 | 3306.4 | 19.9 | 30.6 | 36.5 | 0.1 |
| 3320.0 | 5.4 | 336 | 3316.4 | 20.7 | 30.2 | 36.6 | 0.3 |
| 3330.0 | 5.7 | 337 | 3326.4 | 21.6 | 29.8 | 36.8 | 0.5 |
| 3340.0 | 5.8 | 336 | 3336.3 | 22.5 | 29.4 | 37.0 | 0.8 |
| 3350.0 | 6.0 | 338 | 3346.2 | 23.5 | 29.0 | 37.3 | 0.4 |
| 3360.0 | 5.9 | 340 | 3356.2 | 24.4 | 28.6 | 37.6 | 0.8 |
| 3370.0 | 5.9 | 342 | 3366.1 | 25.4 | 28.3 | 38.0 | 0.4 |
| 3380.0 | 5.7 | 342 | 3376.1 | 26.4 | 28.0 | 38.4 | 0.0 |
| 3390.0 | 5.8 | 342 | 3386.0 | 27.3 | 27.7 | 38.9 | 0.2 |
| 3400.0 | 5.9 | 342 | 3396.0 | 28.3 | 27.4 | 39.3 | 0.5 |
| 3410.0 | 6.0 | 342 | 3405.9 | 29.3 | 27.0 | 39.8 | 0.7 |
| 3420.0 | 6.1 | 342 | 3415.9 | 30.2 | 26.7 | 40.4 | 0.3 |
| 3430.0 | 6.2 | 341 | 3425.8 | 31.2 | 26.4 | 40.9 | 0.0 |
| 3440.0 | 6.2 | 338 | 3435.8 | 32.3 | 26.0 | 41.4 | 0.5 |
| 3450.0 | 6.7 | 337 | 3445.7 | 33.3 | 25.6 | 42.0 | 0.6 |
| 3460.0 | 6.3 | 336 | 3455.6 | 34.3 | 25.1 | 42.5 | 0.0 |
| 3470.0 | 6.3 | 336 | 3465.6 | 35.3 | 24.7 | 43.1 | 0.4 |
| 3480.0 | 6.5 | 338 | 3475.5 | 36.4 | 24.3 | 43.7 | 0.2 |
| 3490.0 | 6.5 | 339 | 3485.5 | 37.4 | 23.9 | 44.4 | 0.1 |
| 3500.0 | 6.6 | 339 | 3495.4 | 38.5 | 23.4 | 45.1 | 0.4 |
| 3510.0 | 6.5 | 339 | 3505.3 | 39.5 | 23.0 | 45.8 | 0.3 |
| 3520.0 | 6.4 | 339 | 3515.3 | 40.6 | 22.6 | 46.5 | 0.4 |
| 3530.0 | 6.3 | 339 | 3525.2 | 41.6 | 22.2 | 47.2 | 0.5 |
| 3540.0 | 5.8 | 340 | 3535.1 | 42.6 | 21.9 | 47.9 | 0.9 |
| 3550.0 | 5.5 | 341 | 3545.1 | 43.5 | 21.5 | 48.6 | 0.3 |
| 3560.0 | 5.2 | 341 | 3555.1 | 44.4 | 21.2 | 49.2 | 0.2 |
| 3570.0 | 5.1 | 344 | 3565.0 | 45.3 | 20.9 | 49.9 | 0.1 |
| 3580.0 | 5.5 | 343 | 3575.0 | 46.1 | 20.6 | 50.6 | 0.7 |
| 3590.0 | 5.3 | 342 | 3584.9 | 47.0 | 20.4 | 51.3 | 0.7 |
| 3600.0 | 5.3 | 344 | 3594.9 | 47.9 | 20.1 | 52.0 | 0.7 |
| 3610.0 | 5.1 | 344 | 3604.8 | 48.8 | 19.9 | 52.7 | 0.1 |
| 3620.0 | 4.9 | 345 | 3614.8 | 49.7 | 19.6 | 53.4 | 0.0 |
| 3630.0 | 4.8 | 346 | 3624.8 | 50.5 | 19.4 | 54.1 | 0.6 |
| 3640.0 | 4.6 | 348 | 3634.7 | 51.3 | 19.2 | 54.7 | 0.5 |
| 3650.0 | 4.4 | 345 | 3644.7 | 52.0 | 19.1 | 55.4 | 0.3 |
| 3660.0 | 4.0 | 346 | 3654.7 | 52.7 | 18.9 | 56.0 | 0.5 |
| 3670.0 | 3.9 | 345 | 3664.7 | 53.4 | 18.7 | 56.6 | 0.4 |
| 3680.0 | 3.6 | 346 | 3674.6 | 54.0 | 18.6 | 57.1 | 0.0 |
| 3690.0 | 3.4 | 346 | 3684.6 | 54.6 | 18.4 | 57.6 | 0.5 |
| 3700.0 | 3.6 | 348 | 3694.6 | 55.2 | 18.3 | 58.2 | 0.3 |
| 3710.0 | 3.7 | 346 | 3704.6 | 55.8 | 18.1 | 58.7 | 0.6 |
| 3720.0 | 3.5 | 350 | 3714.6 | 56.4 | 18.0 | 59.2 | 0.1 |
| 3730.0 | 3.6 | 351 | 3724.5 | 57.1 | 17.9 | 59.8 | 0.5 |
| 3740.0 | 3.5 | 352 | 3734.5 | 57.7 | 17.8 | 60.4 | 0.1 |
| 3750.0 | 3.4 | 351 | 3744.5 | 58.3 | 17.7 | 60.9 | 0.3 |
| 3760.0 | 3.4 | 345 | 3754.5 | 58.9 | 17.6 | 61.4 | 1.1 |
| 3770.0 | 3.1 | 346 | 3764.5 | 59.4 | 17.5 | 61.9 | 0.3 |
| 3780.0 | 3.1 | 349 | 3774.4 | 59.9 | 17.4 | 62.4 | 1.3 |
| 3790.0 | 3.1 | 352 | 3784.4 | 60.5 | 17.3 | 62.9 | 0.0 |
| 3800.0 | 2.8 | 353 | 3794.4 | 61.0 | 17.2 | 63.3 | 1.4 |
| 3810.0 | 3.0 | 349 | 3804.4 | 61.5 | 17.1 | 63.8 | 0.6 |
| 3820.0 | 2.6 | 345 | 3814.4 | 62.0 | 17.0 | 64.2 | 0.5 |
| 3830.0 | 2.5 | 342 | 3824.4 | 62.4 | 16.9 | 64.6 | 1.6 |
| 3840.0 | 2.0 | 343 | 3834.4 | 62.7 | 16.7 | 64.9 | 0.4 |
| 3850.0 | 1.8 | 338 | 3844.4 | 63.0 | 16.6 | 65.2 | 1.1 |
| 3860.0 | 1.6 | 345 | 3854.4 | 63.3 | 16.5 | 65.5 | 0.5 |
| 3870.0 | 1.6 | 332 | 3864.4 | 63.6 | 16.4 | 65.7 | 0.0 |
| 3880.0 | 1.5 | 347 | 3874.4 | 63.9 | 16.4 | 65.9 | 0.2 |
| 3890.0 | 1.3 | 345 | 3884.4 | 64.1 | 16.2 | 66.2 | 0.2 |
| 3900.0 | 1.5 | 339 | 3894.3 | 64.4 | 16.2 | 66.4 | 0.0 |
| 3910.0 | 1.2 | 342 | 3904.3 | 64.6 | 16.1 | 66.5 | 0.3 |
| 3920.0 | 1.4 | 314 | 3914.3 | 64.8 | 16.0 | 66.7 | 1.8 |
| 3930.0 | 0.9 | 319 | 3924.3 | 64.9 | 15.9 | 66.8 | 0.4 |
| 3940.0 | 1.0 | 308 | 3934.3 | 65.1 | 15.7 | 66.9 | 0.9 |
| 3950.0 | 1.4 | 294 | 3944.3 | 65.2 | 15.6 | 67.0 | 1.0 |
| 3960.0 | 1.2 | 312 | 3954.3 | 65.3 | 15.4 | 67.1 | 0.8 |
| 3970.0 | 0.9 | 311 | 3964.3 | 65.4 | 15.2 | 67.2 | 0.0 |
| 3980.0 | 1.2 | 300 | 3974.3 | 65.5 | 15.1 | 67.2 | 1.4 |
| 3990.0 | 1.3 | 306 | 3984.3 | 65.6 | 14.9 | 67.3 | 0.5 |
| 4000.0 | 1.0 | 304 | 3994.3 | 65.7 | 14.7 | 67.3 | 0.3 |
| 4010.0 | 0.9 | 301 | 4004.3 | 65.8 | 14.6 | 67.4 | 0.7 |
| 4020.0 | 1.0 | 281 | 4014.3 | 65.8 | 14.4 | 67.4 | 1.0 |
| 4030.0 | 1.1 | 303 | 4024.3 | 65.9 | 14.3 | 67.4 | 1.3 |
| 4040.0 | 0.7 | 295 | 4034.3 | 65.9 | 14.2 | 67.4 | 1.0 |
| 4050.0 | 0.8 | 283 | 4044.3 | 66.0 | 14.0 | 67.5 | 0.2 |
| 4060.0 | 1.1 | 298 | 4054.3 | 66.1 | 13.9 | 67.5 | 0.6 |
| 4070.0 | 0.9 | 302 | 4064.3 | 66.1 | 13.8 | 67.6 | 1.6 |
| 4080.0 | 0.8 | 305 | 4074.3 | 66.2 | 13.6 | 67.6 | 0.9 |
| 4090.0 | 1.2 | 287 | 4084.3 | 66.3 | 13.4 | 67.7 | 0.7 |
| 4100.0 | 1.0 | 305 | 4094.3 | 66.4 | 13.3 | 67.7 | 0.8 |
| 4110.0 | 0.8 | 296 | 4104.3 | 66.4 | 13.2 | 67.7 | 1.0 |
| 4120.0 | 1.0 | 288 | 4114.3 | 66.5 | 13.0 | 67.8 | 1.5 |
| 4130.0 | 1.0 | 289 | 4124.3 | 66.5 | 12.9 | 67.8 | 0.5 |
| 4140.0 | 1.0 | 279 | 4134.3 | 66.6 | 12.7 | 67.8 | 1.2 |
| 4150.0 | 1.0 | 284 | 4144.3 | 66.6 | 12.5 | 67.8 | 0.4 |
| 4160.0 | 1.2 | 285 | 4154.3 | 66.7 | 12.3 | 67.8 | 0.4 |
| 4170.0 | 1.0 | 288 | 4164.3 | 66.8 | 12.2 | 67.9 | 0.0 |
| 4180.0 | 1.0 | 291 | 4174.3 | 66.8 | 12.0 | 67.9 | 0.5 |
| 4190.0 | 1.2 | 284 | 4184.3 | 66.9 | 11.8 | 67.9 | 0.6 |
| 4200.0 | 0.8 | 311 | 4194.3 | 66.9 | 11.7 | 68.0 | 1.0 |
| 4210.0 | 0.9 | 294 | 4204.3 | 67.0 | 11.5 | 68.0 | 2.4 |
| 4220.0 | 0.9 | 294 | 4214.3 | 67.0 | 11.4 | 68.0 | 0.7 |
| 4230.0 | 0.7 | 294 | 4224.3 | 67.1 | 11.3 | 68.0 | 0.4 |
| 4240.0 | 1.0 | 309 | 4234.3 | 67.1 | 11.1 | 68.1 | 0.6 |
| 4250.0 | 1.1 | 298 | 4244.3 | 67.3 | 11.0 | 68.1 | 0.5 |
| 4260.0 | 1.5 | 298 | 4254.3 | 67.4 | 10.8 | 68.2 | 0.1 |
| 4270.0 | 1.6 | 300 | 4264.3 | 67.5 | 10.5 | 68.3 | 0.0 |
| 4280.0 | 1.6 | 298 | 4274.3 | 67.6 | 10.3 | 68.4 | 0.3 |
| 4290.0 | 1.6 | 298 | 4284.3 | 67.8 | 10.1 | 68.5 | 0.3 |
| 4300.0 | 1.7 | 302 | 4294.3 | 67.9 | 9.8 | 68.6 | 0.3 |
| 4310.0 | 1.6 | 302 | 4304.3 | 68.0 | 9.6 | 68.7 | 0.0 |
| 4320.0 | 1.7 | 307 | 4314.3 | 68.2 | 9.3 | 68.8 | 0.0 |
| 4330.0 | 1.5 | 302 | 4324.3 | 68.4 | 9.1 | 69.0 | 0.7 |
| 4340.0 | 1.3 | 297 | 4334.3 | 68.5 | 8.9 | 69.1 | 0.5 |
| 4350.0 | 0.7 | 265 | 4344.3 | 68.5 | 8.7 | 69.1 | 0.8 |
| 4360.0 | 0.9 | 218 | 4354.3 | 68.5 | 8.6 | 69.0 | 0.9 |
| 4370.0 | 1.1 | 209 | 4364.3 | 68.3 | 8.5 | 68.8 | 0.4 |
| 4380.0 | 1.2 | 206 | 4374.3 | 68.1 | 8.4 | 68.7 | 0.3 |
| 4390.0 | 0.9 | 216 | 4384.3 | 68.0 | 8.4 | 68.5 | 0.6 |
| 4400.0 | 0.8 | 255 | 4394.3 | 67.9 | 8.2 | 68.4 | 0.6 |
| 4410.0 | 1.1 | 280 | 4404.3 | 67.9 | 8.1 | 68.4 | 0.4 |
| 4420.0 | 1.2 | 288 | 4414.3 | 67.9 | 7.9 | 68.4 | 0.4 |
| 4430.0 | 1.5 | 300 | 4424.3 | 68.0 | 7.7 | 68.5 | 0.8 |
| 4440.0 | 1.7 | 303 | 4434.3 | 68.2 | 7.4 | 68.6 | 0.3 |
| 4450.0 | 1.9 | 307 | 4444.3 | 68.4 | 7.2 | 68.7 | 0.5 |
| 4460.0 | 2.0 | 306 | 4454.3 | 68.6 | 6.9 | 68.9 | 0.4 |
| 4470.0 | 2.2 | 312 | 4464.3 | 68.8 | 6.6 | 69.1 | 0.0 |
| 4480.0 | 2.2 | 308 | 4474.3 | 69.0 | 6.3 | 69.3 | 0.4 |
| 4490.0 | 2.2 | 309 | 4484.3 | 69.3 | 6.0 | 69.6 | 0.5 |
| 4500.0 | 2.3 | 310 | 4494.2 | 69.5 | 5.7 | 69.8 | 0.3 |
| 4510.0 | 2.3 | 307 | 4504.2 | 69.8 | 5.4 | 70.0 | 0.1 |
| 4520.0 | 2.6 | 311 | 4514.2 | 70.0 | 5.1 | 70.2 | 0.0 |
| 4530.0 | 2.5 | 307 | 4524.2 | 70.3 | 4.7 | 70.5 | 0.0 |
| 4540.0 | 2.6 | 311 | 4534.2 | 70.6 | 4.4 | 70.8 | 0.3 |
| 4550.0 | 2.7 | 311 | 4544.2 | 70.9 | 4.0 | 71.0 | 0.3 |
| 4560.0 | 2.8 | 301 | 4554.2 | 71.2 | 3.7 | 71.3 | 0.7 |
| 4570.0 | 2.7 | 301 | 4564.2 | 71.4 | 3.3 | 71.5 | 0.8 |
| 4580.0 | 2.7 | 303 | 4574.2 | 71.7 | 2.9 | 71.7 | 0.0 |
| 4590.0 | 2.6 | 299 | 4584.2 | 71.9 | 2.5 | 72.0 | 0.5 |
| 4600.0 | 2.6 | 299 | 4594.2 | 72.2 | 2.1 | 72.2 | 0.3 |
| 4610.0 | 2.7 | 302 | 4604.2 | 72.4 | 1.7 | 72.4 | 0.4 |
| 4620.0 | 2.7 | 302 | 4614.1 | 72.6 | 1.3 | 72.6 | 0.4 |
| 4630.0 | 2.6 | 298 | 4624.1 | 72.9 | 0.9 | 72.9 | 0.3 |
| 4640.0 | 2.7 | 295 | 4634.1 | 73.1 | 0.4 | 73.1 | 0.5 |
| 4650.0 | 2.9 | 298 | 4644.1 | 73.3 | 0.0 | 73.3 | 0.5 |
| 4660.0 | 3.0 | 304 | 4654.1 | 73.6 | -0.4 | 73.6 | 0.5 |
| 4670.0 | 2.9 | 301 | 4664.1 | 73.9 | -0.9 | 73.9 | 1.1 |
| 4680.0 | 2.9 | 304 | 4674.1 | 74.1 | -1.3 | 74.1 | 0.8 |
| 4690.0 | 3.0 | 304 | 4684.1 | 74.4 | -1.7 | 74.4 | 0.6 |
| 4697.9 | 3.0 | 305 | 4691.9 | 74.6 | -2.1 | 74.7 | 0.0 |

BOTTOM HOLE LOCATION
COURSE LENGTH 74.7 M
COURSE AZIMUTH 358.4 DEGREES
MEASURED DEPTH 4697.9 M
TRUE VERTICAL DEPTH 4691.9 M
DISTANCE NORTH 74.6 M
DISTANCE WEST 2.1 M
EXACT RADIUS OF CURVATURE METHOD

# FINAL WELL REPORT

# NHOC/PanCanadian Port au Port No. 1

## APPENDIX III

## DOWNHOLE LOGS

NOTE: The above logs are Continuous Spliced Logs"

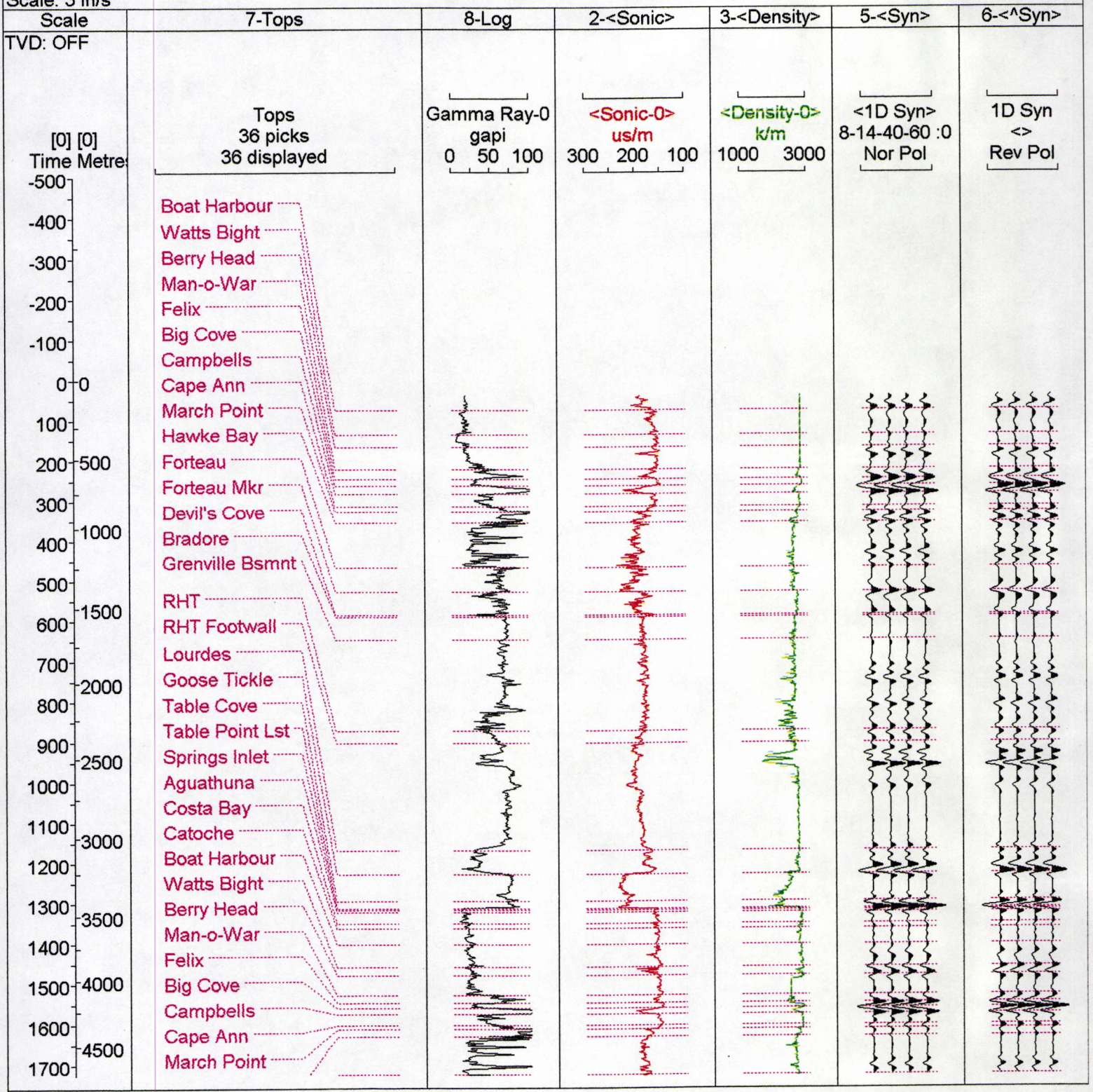
III - 6 Synthetic Seismic Logs (3 & 5 in/s) ..... NHOC

NEWFOUNDLAND HUNT OIL COMPANY INC.

JULY 1996

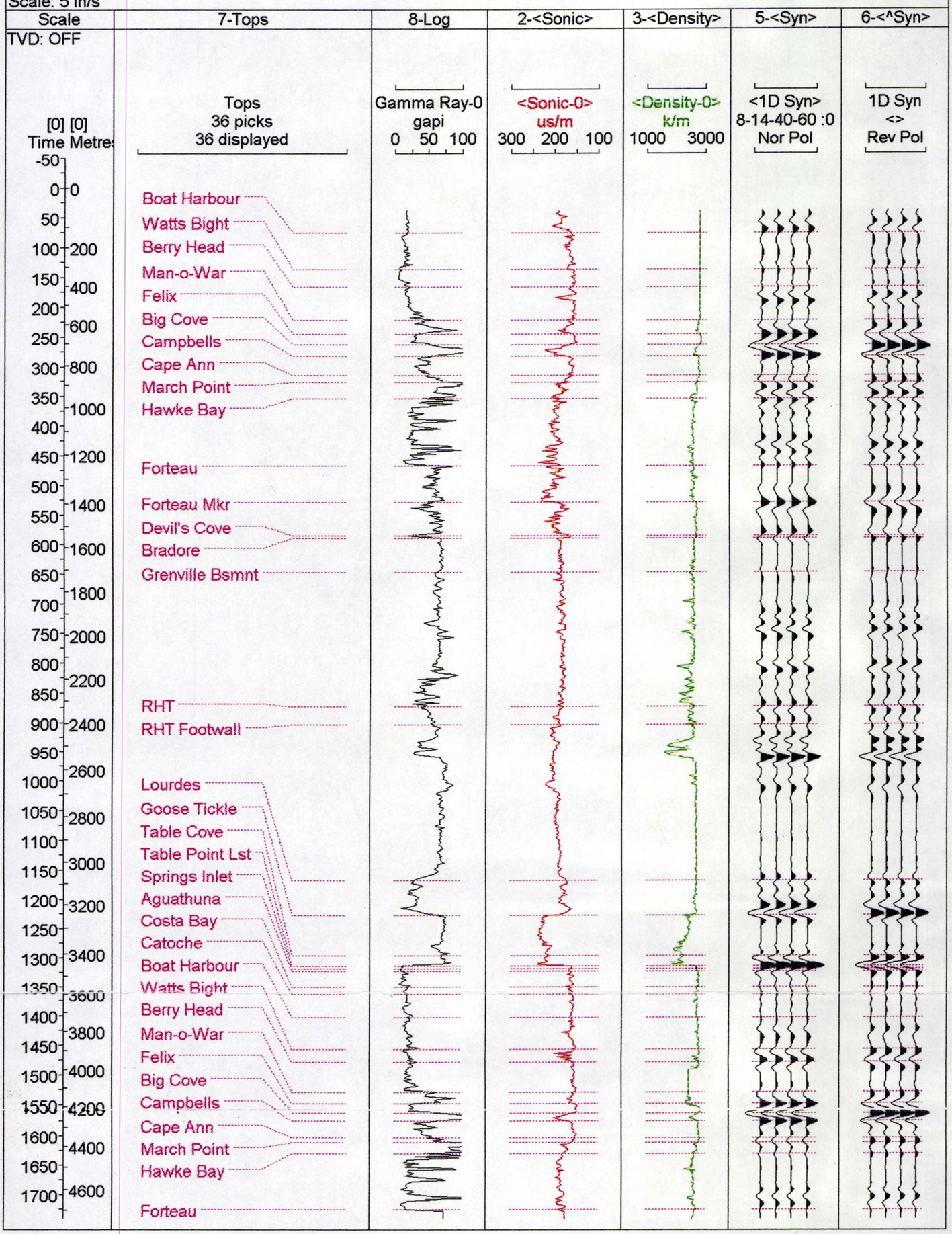
SynTool - Copyright (C) 1991-1994 Landmark Graphics Corp.
Date: Jun 18, 1996 Time: 12:14:58

Port-au-Port #1
Well Name: Port-au-Port #1 (Revised Logs)
Well ID: Port-au-Port #1 Well Number:
Prospect: Location Area: Field
Local: Region: Province
Log Datum: 0 Time Datum: 0
Replacement Vel: 1524 Metres/sec Time Sample Interval: 2
Scale: 3 in/s



SynTool - Copyright (C) 1991-1994 Landmark Graphics Corp.
Date: Jun 18, 1996 Time: 12:01:27

Port-au-Port #1
Well Name: Port-au-Port #1 (Revised Logs)
Well ID: Port-au-Port #1 Well Number:
Prospect: Location Area: Field
Local: Region: Province
Log Datum: 0 Time Datum: 0
Replacement Vel: 1524 Metres/sec Time Sample Interval: 2
Scale: 5 in/s



# FINAL WELL REPORT

# NHOC/PanCanadian Port au Port No. 1

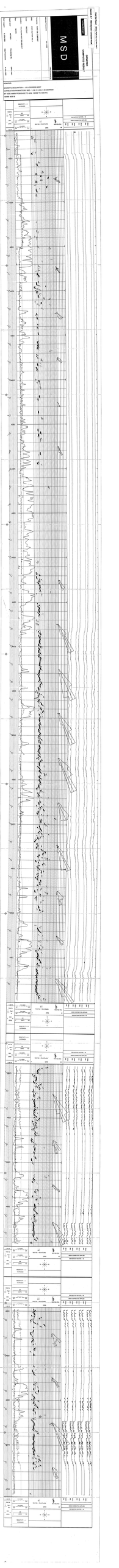
## APPENDIX III

## DOWNHOLE LOGS

III - 7 MSD Dipmeter Computed Result ..... Schlumberger

NEWFOUNDLAND HUNT OIL COMPANY INC.

JULY 1996


MSD
DUAL LATEROLOG
MICRO SPHERICALLY FOCUSED LOG
COMPENSATED NEUTRON
FORMATION DENSITY
COMPANY
WELL
FIELD
COUNTY
STATE
LOCATION
PERMANENT DATUM
LOG MEASURED FROM
DRILLING MEASURED FROM
DATE
RUN NO.
DEPTH-DRILLER
DEPTH-LOGGER
BTM. LOG INTERVAL
TOP LOG INTERVAL
CASING-DRILLER
CASING-LOGGER
BIT SIZE
TYPE FLUID IN HOLE
DENSITY
VISCOSITY
PH
FLUID LOSS
SOURCE OF SAMPLE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE OF RMF
SOURCE OF RMC
RM @ BHT
TIME SINCE CIRC.
MAX. REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY
REMARKS:
NEUTRON CALIBRATION = 2411/1000/SEA WATER
LOGGING SPEED 1800 FT/HR - SCALE 1" = 5 & 25 DEPTH
LOG WAS CORRECTED FOR SALT TO MUD - SHIMA TO FIND S.G.
CASING SIZE TO
GAMMA RAY (API)
CALIPER (IN)
SPONTANEOUS POTENTIAL (MV)
RESISTIVITY (OHMM)
SHALLOW RESISTIVITY
MEDIUM RESISTIVITY
DEEP RESISTIVITY
NEUTRON POROSITY (%)
DENSITY (G/CC)
CORRECTION
RESISTIVITY (OHMM)
SHALLOW RESISTIVITY
MEDIUM RESISTIVITY
DEEP RESISTIVITY
GAMMA RAY (API)
CALIPER (IN)
SPONTANEOUS POTENTIAL (MV)
RESISTIVITY (OHMM)
SHALLOW RESISTIVITY
MEDIUM RESISTIVITY
DEEP RESISTIVITY
NEUTRON POROSITY (%)
DENSITY (G/CC)
CORRECTION
RESISTIVITY (OHMM)
SHALLOW RESISTIVITY
MEDIUM RESISTIVITY
DEEP RESISTIVITY
GAMMA RAY (API)
CALIPER (IN)
SPONTANEOUS POTENTIAL (MV)
RESISTIVITY (OHMM)
SHALLOW RESISTIVITY
MEDIUM RESISTIVITY
DEEP RESISTIVITY
NEUTRON POROSITY (%)
DENSITY (G/CC)
CORRECTION
RESISTIVITY (OHMM)
SHALLOW RESISTIVITY
MEDIUM RESISTIVITY
DEEP RESISTIVITY
GAMMA RAY (API)
CALIPER (IN)
SPONTANEOUS POTENTIAL (MV)
RESISTIVITY (OHMM)
SHALLOW RESISTIVITY
MEDIUM RESISTIVITY
DEEP RESISTIVITY
NEUTRON POROSITY (%)
DENSITY (G/CC)
CORRECTION
RESISTIVITY (OHMM)
SHALLOW RESISTIVITY
MEDIUM RESISTIVITY
DEEP RESISTIVITY