Walter Oil & Gas Corporation
OCS-G 31366, Well No. 001ST00BP00
Eugene Island Block 51
Actual / Proposed Cement Calculations – Revised 03 January 2012

20" Casing

Factor for 30" x 20" annulus = 2.09 cuft/ft

320 x 2.09 = 668 cuft

Factor for 26" hole x 20" annulus = 1.50 cuft/ft

680' x 1.5 = 1020 cuft

Capacity of 20" = 1.98

80' x 1.99= 159 cuft

Excess= 64%

Total= 2500 ft3..... TOC ML

Actual cement 3276 cf of cmt. TOC at ±15' BML.

16" casing

Factor for 20" csg x 16" annulus = .598

1000 x .598 = 598 cuft

Factor for 20" hole x 16" = .785

3500 x .785 = 2747 cuft

Capacity of 16" casing= 1.2 cuft/ft

80' x 1.2 cuft/ft= 96 cuft

Excess = 57 % in open hole

Total =5000 ft3... Toc ML

Actual cement 6138 cf of cmt. TOC at ±68' below RKB.

11-7/8" casing

Factor for 14 ¾" x 11 7/8" annulus = .417 cuft/ft

7800' x .417 = 3502 cuft

11 7/8' capacity = .615

80 x. 615= 49 cuft

Excess = 27%

4496 cuft ..... Toc 6000'

Actual cement 4820 cf of cmt. TOC at ±6000.

9-5/8" liner

Factor for 12 .25" x 9.625" annulus = .313

1800' x .313 = 563 cuft

9 5/8" capacity =.393 cuft/ft

80 x .393= 31 cuft

Excess 20%=100 cuft

Actual cement = 691 cuft

7-3/4" liner

Factor for 8 ½" x 7 3/4" annulus = .0769

2125 x .0769 cuft/ft = 163 cuft

7 ¾" capacity = .23 cuft/ft

80' x .23 = 18 cuft

Excess 15% = 24 cuft

Total cement = 205 cuft

5 ½" liner

Factor for 6 ½" x 5 1/2" annulus = .0654

1359 x .0654 cuft/ft = 89 cuft

5 ½" capacity = .13 cuft/ft

80' x .13 = 10 cuft

Excess 15% = 13 cuft

Total cement = 112 cuft