



Jim Falder

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August 5, 2020

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555 Southdale Road East
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Dear Hugh,

Imperial Oil purchases crude oil in Ontario on the basis of a reference price, a terminal charge to Marcus and quality adjustments.

There are two reference prices, one for sweet, one for sour crudes and these are changed monthly.

For **July 2020** these prices are:

| | | | |
|-----------------------|------------------|--|--|
| Sweet Reference Price | \$ 367.02 | Reference Density 825 kg/m ³ | Reference Sulphur .5% S (by weight) |
| Sour Reference Price | \$ 348.44 | 850 kg/m ³ | 1.2% S |

If you have any questions please feel free to call.

Guillermina Colombres Garmendia

Canada Crude Oil Supply and Marketing
Pricing Analyst

.....
Skype: (+5411) 3985-2225

cc
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Nilo Julian Aversa

ONTARIO POOL PRICE LIST

MARCUS TERMINALS INC #Name? #####

July 2020

Sweet Reference Price (\$/M3) 367.02 - \$58.35c/bl.
 Sour Reference Price (\$/M3) 348.44 - \$55.40c/bl.

| POOL ID | Location | Sweet Sour | Date Change | Quality | Density Kg/M3 | Sulphur Percent | Sulphur Adjustment | Density Adj. | BSW Pen | Mercap Penalty | Producer Price |
|---------|-------------------------|------------|-------------|---------|---------------|-----------------|--------------------|--------------|---------|----------------|--------------------|
| 01 | WARWICK FIELD (01)(HEA | Sour | 7/10/1996 | | 883.00 | .800 | 5.520 | -16.170 | 0.0000 | 0.00 | 337.79 |
| 02 | BROOKE FIELD (02) | C Sour | 7/10/1996 | | 899.00 | 1.200 | 0.000 | -24.010 | 0.0000 | 0.00 | 324.43 |
| 03 | PLYMPTON FIELD (03) | Sour | 7/10/1996 | | 886.00 | .940 | 3.588 | -17.640 | 0.0000 | 0.00 | 334.39 |
| 04 | BLENHEIM (04) | C Sour | | | 897.00 | 1.700 | -6.900 | -23.030 | 0.0000 | 0.00 | 318.51 |
| 06 | GODERICH (06) | Sour | | | 846.00 | .700 | 6.900 | 1.960 | 0.0000 | 0.00 | 357.30 |
| 07 | PELEE TWP (07) | Sour | | | 834.00 | .700 | 6.900 | 7.840 | 0.0000 | 0.00 | 363.18 |
| 08 | RODNEY WEST FIELD (08) | Sweet | | | 833.00 | .100 | 5.520 | -3.920 | 0.0000 | 0.00 | 368.62 |
| 09 | THAMESVILLE FIELD (09) | Sour | | | 834.00 | .700 | 6.900 | 7.840 | 0.0000 | 0.00 | 363.18 |
| 10 | RODNEY (10) | Sour | | | 836.00 | .950 | 3.450 | 6.860 | 0.0000 | 1.00 | 357.75 |
| 11 | GLENCOE (11) | Sour | | | 862.00 | .700 | 6.900 | -5.880 | 0.0000 | 0.00 | 349.46 |
| 12 | PETROLIA (12) | Sour | | | 861.00 | .920 | 3.864 | -5.390 | 0.0000 | 0.00 | 346.91 |
| 14 | WATFORD KERWOOD FIE | Sour | | | 838.00 | .890 | 4.278 | 5.880 | 0.0000 | 0.00 | 358.60 |
| 16 | DOVER FIELD (16) | Sweet | | | 827.00 | .130 | 5.106 | -0.980 | 0.0000 | 0.00 | 371.15 |
| 17 | OIL SPRINGS (17) | Sour | | | 843.00 | .800 | 5.520 | 3.430 | 0.0000 | 0.00 | 357.39 - 56.82/bl. |
| 18 | BOTHWELL THAMESVILL | Sour | | | 836.00 | .910 | 4.002 | 6.860 | 0.0000 | 0.00 | 359.30 |
| 19 | DRESDEN (19) | Sour | | | 851.00 | 1.020 | 2.484 | -0.490 | 0.0000 | 0.00 | 350.43 |
| 20 | TILBURY WEST (20)(5-10) | Sour | | | 834.00 | 1.100 | 1.380 | 7.840 | 0.0000 | 0.00 | 357.66 |
| 21 | KINGSVILLE (21) | Sweet | | | 823.00 | .200 | 4.140 | 0.000 | 0.0000 | 0.00 | 371.16 |
| 22 | WALLACETOWN (22) | Sour | | | 840.00 | 1.000 | 2.760 | 4.900 | 0.0000 | 0.00 | 356.10 |
| 23 | SHETLAND (23) | Sour | | | 869.00 | .210 | 13.662 | -9.310 | 0.0000 | 0.00 | 352.79 |
| 24 | CHATHAM TWP (24) | Sour | | | 836.00 | 1.100 | 1.380 | 6.860 | 0.0000 | 0.00 | 356.68 |
| 25 | WANSTEAD (25) | C Sour | | | 902.00 | 1.300 | -1.380 | -25.480 | 0.0000 | 0.00 | 321.58 |
| 26 | WILSON CROFT (26) | Sour | | | 878.00 | 1.310 | -1.518 | -13.720 | 0.0000 | 0.00 | 333.20 |
| 28 | BECHER (28) | Sour | | | 832.00 | .920 | 3.864 | 8.820 | 0.0000 | 0.00 | 361.12 |
| 29 | COLCHESTER (29) | Sweet | | | 823.00 | .190 | 4.278 | 0.000 | 0.0000 | 0.00 | 371.30 |
| 30 | WARWICK (30) | C Sour | | | 892.00 | 1.200 | 0.000 | -20.580 | 0.0000 | 0.00 | 327.86 |
| 31 | GRAND BEND (31) | Sweet | | | 832.00 | .240 | 3.588 | -3.430 | 0.0000 | 0.00 | 367.18 |
| 32 | CORUNNA (32) | Sour | | | 853.00 | .811 | 5.368 | -1.470 | 0.0000 | 0.00 | 352.34 |
| 36 | LOT 23 CON 1 (DAWNSOM | Sour | | | 852.00 | .760 | 6.072 | -0.980 | 0.0000 | 0.00 | 353.53 |
| 39 | GOBLES #54 (39) | Sweet | | | 836.00 | .130 | 5.106 | -5.390 | 0.0000 | 0.00 | 366.74 |
| 40 | MALDEN (40) | Sweet | | | 819.00 | .160 | 4.692 | 0.000 | 0.0000 | 0.00 | 371.71 |

July 2020
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MARCUS TERMINALS INC #Name?

| POOL ID | Location | Sweet Sour | Date Quality Change | Density Kg/M3 | Sulphur Percent | Sulphur Adjustment | Density Adj. | BSW Pen | Mercap Penalty | Producer Price |
|---------|---------------------------------|------------|---------------------|---------------|-----------------|--------------------|--------------|---------|----------------|--------------------|
| 41 | CLEARVILLE (41) | Sweet | | 832.00 | .130 | 5.106 | -3.430 | 0.0000 | 0.00 | 368.70 |
| 42 | SOMBRA (42)(2-24-10) nnn | Sour | 7/23/1996 | 834.00 | .700 | 6.900 | 7.840 | 0.0000 | 0.00 | 363.18 |
| 44 | INNERKIP FIELD (44) | Sweet | | 842.00 | .090 | 5.658 | -8.330 | 0.0000 | 0.00 | 364.35 |
| 47 | MOORE (10-4)(BRIGDEN?) (Sour | | | 843.00 | .680 | 7.176 | 3.430 | 0.0000 | 0.00 | 359.05 |
| 48 | SUTORVILLE FIELD (48)(H Sour | | | 904.00 | 1.100 | 1.380 | -26.460 | 0.0000 | 0.00 | 323.36 |
| 49 | WILLEY SOUTH FIELD (49 Sweet | | | 828.00 | .110 | 5.382 | -1.470 | 0.0000 | 0.00 | 370.93 |
| 52 | BROOKE (52) C | Sour | | 888.00 | 1.100 | 1.380 | -18.620 | 0.0000 | 0.00 | 331.20 |
| 53 | DAWN FIELD (53) | Sour | | 839.00 | .820 | 5.244 | 5.390 | 0.0000 | 0.00 | 359.07 |
| 57 | MOSA (57) | Sweet | | 824.00 | .300 | 2.760 | 0.000 | 0.0000 | 0.00 | 369.78 |
| 71 | DAWN (71)(1-26-2) | Sour | | 844.00 | .800 | 5.520 | 2.940 | 0.0000 | 0.00 | 356.90 |
| 72 | DAWN (72)(5-27-3) | Sour | | 827.00 | .670 | 7.314 | 11.270 | 0.0000 | 0.00 | 367.02 |
| 77 | TILBURY E TWP (77) ?? | Sour | | 836.00 | .620 | 8.004 | 6.860 | 0.0000 | 0.00 | 363.30 |
| 78 | MORPETH FIELD (78)(NGL Sweet | | | 748.00 | .430 | 0.966 | -25.480 | 0.0000 | 0.00 | 342.51 |
| 79 | MERSEA (79) (8-14-A) | Sweet | 4/7/2006 | 816.60 | .162 | 4.664 | 0.000 | 0.0000 | 0.00 | 371.68 - 59.09/bl. |
| 80 | LADYSMITH (80) | Sweet | 10/1/1996 | 832.00 | .500 | 0.000 | -3.430 | 0.0000 | 0.00 | 363.59 |
| 82 | SOMBRA (82)(7-18-7) C | Sour | | 881.00 | .400 | 11.040 | -15.190 | 0.0000 | 0.00 | 344.29 |
| 83 | DAWN FIELD (83) | Sweet | | 847.00 | .250 | 3.450 | -10.780 | 0.0000 | 0.00 | 359.69 |
| 84 | RUSCUM RIVER TRENTON Sour | | | 834.00 | .700 | 6.900 | 7.840 | 0.0000 | 0.00 | 363.18 |
| 85 | MOORE (85)(8-4-2) | Sour | | 832.00 | .640 | 7.728 | 8.820 | 0.0000 | 0.00 | 364.99 |
| 86 | PETROLIA MEDIUM (86) | Sour | 9/23/1998 | 880.50 | 1.190 | 0.138 | -14.945 | 0.0000 | 0.00 | 333.63 |
| 87 | SOMBRA (87)(6-28-9) | Sour | | 849.00 | .540 | 9.108 | 0.490 | 0.0000 | 0.00 | 358.04 |
| 88 | CORUNNA SECKERTON (8 Sour | | | 853.00 | .811 | 5.368 | -1.470 | 0.0000 | 0.00 | 352.34 |
| 89 | DAWN (89)(3-28-2) | Sweet | | 830.00 | .100 | 5.520 | -2.450 | 0.0000 | 0.00 | 370.09 |
| 90 | BUTLER DAWN (90)(13-10) Sweet | | 10/1/1996 | 849.00 | .500 | 0.000 | -11.760 | 0.0000 | 0.00 | 355.26 |
| 91 | ENNISKILLEN (91)(4-22-2) Sour | | | 880.00 | .440 | 10.488 | -14.700 | 0.0000 | 0.00 | 344.23 |
| 92 | SOMBRA FIELD (92)(4-9-12) Sweet | | | 855.00 | .500 | 0.000 | -14.700 | 0.0000 | 0.00 | 352.32 |
| 93 | MOORE (93)(2-3-11) C | Sour | | 900.00 | 1.630 | -5.934 | -24.500 | 0.0000 | 0.00 | 318.01 |
| 94 | ENNISKILLEN TWP (94) | Sour | | 901.00 | .870 | 4.554 | -24.990 | 0.0000 | 0.00 | 328.00 |
| 95 | MALDEN (95)(3-41-4) | Sweet | | 844.00 | .200 | 4.140 | -9.310 | 0.0000 | 0.00 | 361.85 |
| 96 | RUSCUM RIVER GUELPH (Sweet | | | 875.00 | .400 | 1.380 | -24.500 | 0.0000 | 0.00 | 343.90 |
| 97 | EDYS MILLS (97) | Sour | | 832.00 | .770 | 5.934 | 8.820 | 0.0000 | 0.00 | 363.19 |
| 98 | COREY EAST FIELD (98) Sour | | 9/23/1998 | 896.20 | 1.450 | -3.450 | -22.638 | 0.0000 | 0.00 | 322.35 - 51.25/bl. |
| B1 | ALDBOROUGH EAGLE (B1) Sour | | | 830.00 | .990 | 2.898 | 9.800 | 0.0000 | 0.00 | 361.14 |
| B2 | MCCOLL #2 (B2) | Sour | | 832.00 | .850 | 4.830 | 8.820 | 0.0000 | 0.00 | 362.09 |
| B3 | BROOKE TWP (B3) | Sour | | 855.00 | .700 | 6.900 | -2.450 | 0.0000 | 0.00 | 352.89 |

July 2020
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MARCUS TERMINALS INC #Name?

| POOL ID | Location | Sweet Sour | Date Quality Change | Density Kg/M3 | Sulphur Percent | Sulphur Adjustment | Density Adj. | BSW Pen | Mercap Penalty | Producer Price |
|---------|----------------------------|------------|---------------------|---------------|-----------------|--------------------|--------------|---------|----------------|----------------|
| B4 | EUPHEMIA TWP (B4) | Sour | | 834.00 | .700 | 6.900 | 7.840 | 0.0000 | 0.00 | 363.18 |
| B5 | ROCHESTER (1-20-5) (RUSC) | Sweet | | 824.00 | .130 | 5.106 | 0.000 | 0.0000 | 0.00 | 372.13 |
| B6 | COMBER (B6) | Sour | | 868.00 | 1.040 | 2.208 | -8.820 | 0.0000 | 0.00 | 341.83 |
| B7 | WHEATLEY NORTH (B7) | Sweet | 8/30/2000 | 816.10 | .140 | 4.968 | 0.000 | 0.0000 | 0.00 | 371.99 |
| B8 | DAWN TWP (B8)(4-30-3) | Sour | | 817.00 | .570 | 8.694 | 12.250 | 0.0000 | 0.00 | 369.38 |
| B9 | ZONE CENTRE FIELD(B9) | Sour | | 827.00 | .900 | 4.140 | 11.270 | 0.0000 | 0.00 | 363.85 |
| C1 | MOORE TWP (C1) (2-22-2) | Sour | | 850.00 | .570 | 8.694 | 0.000 | 0.0000 | 0.00 | 357.13 |
| C3 | SARNIA TWP. (C3) | Sour | | 859.00 | 1.240 | -0.552 | -4.410 | 0.0000 | 0.00 | 343.48 |
| C4 | GOSFIELD S. (C4)(8-7-5)(IN | Sweet | | 825.00 | .500 | 0.000 | 0.000 | 0.0000 | 0.00 | 367.02 |
| C5 | TILBURY EAST (C5) | Sweet | | 824.00 | .400 | 1.380 | 0.000 | 0.0000 | 0.00 | 368.40 |
| C6 | PT.ALMA CONDENSATE | Sour | 2/20/1997 | 833.80 | 1.270 | -0.966 | 7.938 | 0.0000 | 0.00 | 355.41 |
| C7 | MAIDSTONE (C7)(7-17-5)(I | Sweet | | 825.00 | .500 | 0.000 | 0.000 | 0.0000 | 0.00 | 367.02 |
| C8 | ROMNEY (C8)(6-13-3) | Sweet | | 813.00 | .170 | 4.554 | 0.000 | 0.0000 | 0.00 | 371.57 |
| C9 | GOSFIELD S. (C9)(1-1-3)(IN | Sweet | | 825.00 | .500 | 0.000 | 0.000 | 0.0000 | 0.00 | 367.02 |
| D1 | MERSEA TWP (D1)(6-23-7) | Sweet | | 813.00 | .140 | 4.968 | 0.000 | 0.0000 | 0.00 | 371.99 |
| D4 | ROMNEY (D4)(7-10-2) | Sweet | | 820.00 | .150 | 4.830 | 0.000 | 0.0000 | 0.00 | 371.85 |
| D5 | DOVER EAST (D5)(7-5-5) | Sweet | | 828.00 | .130 | 5.106 | -1.470 | 0.0000 | 0.00 | 370.66 |
| D6 | MERSEA TWP (D6)(2-15-8) | Sweet | | 816.00 | .150 | 4.830 | 0.000 | 0.0000 | 0.00 | 371.85 |
| D7 | MERSEA (D7)(8-16-VIII) | Sweet | | 816.00 | .150 | 4.830 | 0.000 | 0.0000 | 0.00 | 371.85 |
| D8 | ROMNEY (D8)(3-14-2) | Sweet | | 814.00 | .150 | 4.830 | 0.000 | 0.0000 | 0.00 | 371.85 |
| D9 | MOORE TWP (D9)(3-14-10) | Sweet | | 866.00 | .500 | 0.000 | -20.090 | 0.0000 | 0.00 | 346.93 |
| E1 | ROMNEY (E1)(6-13-4) | Sweet | | 813.00 | .140 | 4.968 | 0.000 | 0.0000 | 0.00 | 371.99 |
| E2 | ROMNEY (E2)(5-15-1)(INT) | Sweet | 5/13/1997 | 824.90 | .150 | 4.830 | 0.000 | 0.0000 | 0.00 | 371.85 |
| E3 | RALIEGH (E3)(1-17-13)(INT) | Sweet | | 750.00 | .500 | 0.000 | -24.500 | 0.0000 | 0.00 | 342.52 |
| E4 | GOSFIELD (E4)(4-4-4)(INT) | Sweet | | 825.00 | .500 | 0.000 | 0.000 | 0.0000 | 0.00 | 367.02 |
| E5 | RALIEGH (ST. PATRICKS?) | Sour | | 900.00 | 1.500 | -4.140 | -24.500 | 0.0000 | 0.00 | 319.80 |
| E6 | GOSFIELD N. (E6)(2-21-6)(I | Sweet | | 817.00 | .151 | 4.816 | 0.000 | 0.0000 | 0.00 | 371.84 |
| E7 | COLCHESTER SOUTH (E7)(| Sweet | | 816.00 | .160 | 4.692 | 0.000 | 0.0000 | 0.00 | 371.71 |
| E8 | ENNISKILLEN (E8)(7-16-6)(| Sour | | 895.00 | 1.300 | -1.380 | -22.050 | 0.0000 | 0.00 | 325.01 |
| E9 | MERSEA (E9)(4-14-1) | Sweet | | 820.00 | .160 | 4.692 | 0.000 | 0.0000 | 0.00 | 371.71 |
| F1 | MOORE (F1)(1-1-22-VI)(INT | Sour | | 895.00 | 1.300 | -1.380 | -22.050 | 0.0000 | 0.00 | 325.01 |
| F2 | MOORE TWP (F2)(2-14-7) | Sour | | 827.00 | .880 | 4.416 | 11.270 | 0.0000 | 0.00 | 364.13 |
| F3 | ENNISKILLEN (F3)(6-15-2) | Sour | | 895.00 | 1.300 | -1.380 | -22.050 | 0.0000 | 0.00 | 325.01 |
| F4 | MERSEA (F4)(5-10-9)(INT) | Sweet | | 825.00 | .500 | 0.000 | 0.000 | 0.0000 | 0.00 | 367.02 |
| F5 | GOSFIELD S. (F5) | Sweet | | 815.00 | .150 | 4.830 | 0.000 | 0.0000 | 0.00 | 371.85 |

July 2020
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MARCUS TERMINALS INC #Name?

| POOL ID | Location | Sweet Sour | Date Quality Change | Density Kg/M3 | Sulphur Percent | Sulphur Adjustment | Density Adj. | BSW Pen | Mercap Penalty | Producer Price |
|---------|---------------------------|------------|---------------------|---------------|-----------------|--------------------|--------------|---------|----------------|----------------|
| F6 | SOMBRA (F6)(8-02-06) | Sour | | 849.00 | .840 | 4.968 | 0.490 | 0.0000 | 0.00 | 353.90 |
| F7 | CAMDEN (DAWN #2?)(F7)(| Sour | | 839.00 | .820 | 5.244 | 5.390 | 0.0000 | 0.00 | 359.07 |
| F8 | MERSEA 6-20-11 | Sweet | 5/13/1997 | 827.60 | .170 | 4.554 | -1.274 | 0.0000 | 0.00 | 370.30 |
| F9 | SOMBRA (RAM #33) (F9)(5- | Sour | | 876.00 | .890 | 4.278 | -12.740 | 0.0000 | 0.00 | 339.98 |
| G1 | ROCHESTER #1 (G1) (1-17-2 | Sweet | 6/1/1998 | 818.80 | .170 | 4.554 | 0.000 | 0.0000 | 0.00 | 371.57 |
| G2 | MERSEA (G2)(3-6-V) | Sweet | | 813.00 | .160 | 4.692 | 0.000 | 0.0000 | 0.00 | 371.71 |
| G3 | MERSEA (G3,G9)(3-4-IV-ST | Sweet | | 815.00 | .151 | 4.816 | 0.000 | 0.0000 | 0.00 | 371.84 |
| G4 | MERSEA (G4)(2-1-V) | Sweet | | 820.00 | .160 | 4.692 | 0.000 | 0.0000 | 0.00 | 371.71 |
| G8 | MOORE (G8)(27,28-2) | Sour | | 842.00 | .740 | 6.348 | 3.920 | 0.0000 | 0.00 | 358.71 |
| G9 | MERSEA 4-240-STR | Sweet | | 815.00 | .151 | 4.816 | 0.000 | 0.0000 | 0.00 | 371.84 |
| H1 | MERSEA (H1,H2)(2-241,6-24 | Sweet | | 817.00 | .154 | 4.775 | 0.000 | 0.0000 | 0.00 | 371.80 |
| H3 | MERSEA (H3)(3-3-V) | Sweet | | 813.00 | .155 | 4.761 | 0.000 | 0.0000 | 0.00 | 371.78 |
| H4 | MERSEA (H4) (1-5-IV) | Sweet | | 815.00 | .155 | 4.761 | 0.000 | 0.0000 | 0.00 | 371.78 |
| H5 | ROCHESTER (H5) (8-21-6) | Sweet | | 822.00 | .167 | 4.595 | 0.000 | 0.0000 | 0.00 | 371.62 |
| H6 | RAM BP #29 (H6) | Sweet | | 817.00 | .139 | 4.982 | 0.000 | 0.0000 | 0.00 | 372.00 |
| H7 | SOMBRA 1-10 (WELL#15) | Sour | | 871.00 | 1.000 | 2.760 | -10.290 | 0.0000 | 0.00 | 340.91 |
| H8 | EOTT ENERGY (H8) | Sweet | | 822.00 | .202 | 4.112 | 0.000 | 0.0000 | 0.00 | 371.13 |
| H9 | GOSFIELD SOUTH 4-4-III | Sweet | 3/6/1997 | 817.00 | .160 | 4.692 | 0.000 | 0.0000 | 0.00 | 371.71 |
| J1 | ANDERTON 8-2-IV (J1) | Sour | | 844.00 | .209 | 13.676 | 2.940 | 0.0000 | 0.00 | 365.06 |
| J2 | ROCHESTER 7-17-IV EBR | Sweet | | 826.40 | .150 | 4.830 | -0.686 | 0.0000 | 0.00 | 371.16 |
| J4 | DAWN 5-30-10 | Sour | 10/23/1996 | 877.50 | .677 | 7.217 | -13.475 | 0.0000 | 0.00 | 342.18 |
| J5 | ENNISKILLEN 1-25-IX | Sour | | 875.10 | .760 | 6.072 | -12.299 | 0.0000 | 0.00 | 342.21 |
| J6 | GOSFIELD SOUTH 3-K-3 | Sweet | 5/30/1997 | 813.70 | .169 | 4.568 | 0.000 | 0.0000 | 0.00 | 371.59 |
| J7 | GOSFIELD SOUTH 2-24-V | Sweet | 9/2/1997 | 823.60 | .140 | 4.968 | 0.000 | 0.0000 | 0.00 | 371.99 |
| J8 | ROMNEY 4 - 9 - 2 | Sour | 4/3/2003 | 825.00 | .700 | 6.900 | 12.250 | 0.0000 | 0.00 | 367.59 |
| J9 | MERSEA 8 - 23 - IX | Sweet | 9/2/1998 | 820.10 | .152 | 4.802 | 0.000 | 0.0000 | 0.00 | 371.82 |
| K1 | MERSEA 1-16-1 | Sweet | 8/31/1998 | 808.50 | .140 | 4.968 | 0.000 | 0.0000 | 0.00 | 371.99 |
| K2 | STEPHEN 4-11-XXII | Sweet | 12/8/1999 | 835.00 | .400 | 1.380 | -4.900 | 0.0000 | 0.00 | 363.50 |
| K3 | ENNISKILLEN 2-27-XI | Sour | 1/8/1999 | 892.20 | .910 | 4.002 | -20.678 | 0.0000 | 0.00 | 331.76 |
| K4 | ALDBOROUGH 7-D-VII | Sour | 5/1/2000 | 836.50 | .880 | 4.416 | 6.615 | 0.0000 | 0.00 | 359.47 |
| K5 | MOORE 2-15-VIII | Sour | 5/1/2000 | 853.00 | .810 | 5.382 | -1.470 | 0.0000 | 0.00 | 352.35 |
| K6 | MERSEA 5-20-A | Sweet | 8/30/2000 | 811.20 | .140 | 4.968 | 0.000 | 0.0000 | 0.00 | 371.99 |
| K7 | INNERKIP CONDENSATE | Sour | 11/29/2000 | 600.00 | .150 | 14.490 | -85.750 | 0.0000 | 0.00 | 277.18 |
| K8 | DOVER WEST 4-9-III | Sweet | 2/9/2001 | 845.00 | .350 | 2.070 | -9.800 | 0.0000 | 0.00 | 359.29 |
| K9 | SOMBRA 7-A-XI | Sour | 5/2/2001 | 841.40 | 1.040 | 2.208 | 4.214 | 0.0000 | 0.00 | 354.86 |

July 2020
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|---------|------------------------|------------|---------------------|---------------|-----------------|--------------------|--------------|---------|----------------|----------------|
| L1 | SOMBRA 8-27-XII | Sour | 6/6/2001 | 833.00 | .640 | 7.728 | 8.330 | 0.0000 | 0.00 | 364.50 |
| L2 | BEAVER CREEK MICHIGA | Sour | 1/9/2003 | 790.00 | 1.920 | -9.936 | 7.350 | 0.0000 | 0.00 | 345.85 |
| L4 | ROMNEY 8-194-TRS LAKE | Sweet | 3/11/2003 | 813.90 | .168 | 4.582 | 0.000 | 0.0000 | 0.00 | 371.60 |
| L5 | SLOCUM BATTERY | Sour | 6/7/2012 | 699.70 | .606 | 8.197 | -36.897 | 0.0000 | 0.00 | 319.74 |
| L6 | ROOD BATTERY | Sour | 6/7/2012 | 655.00 | .284 | 12.641 | -58.800 | 0.0000 | 0.00 | 302.28 |
| L7 | GOSFIELD SOUTH 4 G 2 | Sweet | 4/22/2003 | 816.00 | .160 | 4.692 | 0.000 | 0.0000 | 0.00 | 371.71 |
| L8 | HOUGHTON 6-13-VII | Sour | 7/15/2005 | 865.80 | .800 | 5.520 | -7.742 | 0.0000 | 0.00 | 346.22 |
| L9 | NORTH WALSHINGHAM 8-8 | Sour | 7/15/2005 | 894.00 | .800 | 5.520 | -21.560 | 0.0000 | 0.00 | 332.40 |
| M1 | BAYHAM | Sweet | 8/29/2005 | 841.30 | .145 | 4.899 | -7.987 | 0.0000 | 0.00 | 363.93 |
| M2 | ROCHESTER 5-12-IV EBR | Sweet | 9/30/2005 | 826.60 | .150 | 4.830 | -0.784 | 0.0000 | 0.00 | 371.07 |
| M3 | TILBURY WEST 3-2-X | Sweet | 1/30/2008 | 830.20 | .177 | 4.457 | -2.548 | 0.0000 | 0.00 | 368.93 |
| M4 | BROOKE 4-5-XIV | Sour | 1/7/2011 | 913.50 | 1.030 | 2.346 | -31.115 | 0.0000 | 0.00 | 319.67 |
| M5 | DUNWICH 1-4-24-A | Sour | 6/1/2012 | 836.00 | .910 | 4.002 | 6.860 | 0.0000 | 0.00 | 359.30 |
| M6 | DUNWICH 4-24-A PATON | Sweet | 6/1/2012 | 834.70 | .110 | 5.382 | -4.753 | 0.0000 | 0.00 | 367.65 |
| M8 | MOORE 2-5-2 CROMAR | Sour | 2/27/2018 | 817.80 | .610 | 8.142 | 12.250 | 0.0000 | 0.00 | 368.83 |
| M9 | RALEIGH 3-16-XIV | Sweet | 11/27/2019 | 827.40 | .146 | 4.885 | -1.176 | 0.0000 | 0.00 | 370.73 |
| R1 | BAKKEN / WILLMAR SASK | Sweet | 6/27/2012 | 822.00 | .150 | 4.830 | 0.000 | 0.0000 | 0.00 | 371.85 |
| R10 | CAL/SW, WHITECOURT, A | Sour | 2/1/2013 | .00 | .000 | 16.560 | -379.750 | 0.0000 | 0.00 | -14.75 |
| R2 | CONNACHER BLEND/FT.M | Sour | 9/12/2012 | .00 | 4.500 | -45.540 | -379.750 | 0.0000 | 0.00 | -76.85 |
| R3 | FOSTERTON/SASKATCHE | Sour | 3/15/2012 | 934.00 | 3.300 | -28.980 | -41.160 | 0.0000 | 0.00 | 278.30 |
| R4 | L.S.B./MANITOBA/VIP | Sour | 9/12/2012 | 833.00 | .500 | 9.660 | 8.330 | 0.0000 | 0.00 | 366.43 |
| R5 | SLE EDMONTON ALBERT | Sour | 2/12/2013 | 826.00 | .800 | 5.520 | 11.760 | 0.0000 | 0.00 | 365.72 |
| R6 | MBS EDMONTON ALBER | Sweet | 2/12/2013 | 828.00 | .500 | 0.000 | -1.470 | 0.0000 | 0.00 | 365.55 |
| R7 | RSW, SCOTFORD, LB. | Sweet | 2/28/2013 | 822.00 | .400 | 1.380 | 0.000 | 0.0000 | 0.00 | 368.40 |
| R8 | CAL, SCOTFORD, ALB. | Sour | 2/28/2013 | 850.00 | 1.040 | 2.208 | 0.000 | 0.0000 | 0.00 | 350.65 |
| R9 | NDS, SUPERIOR, WISC. | Sweet | 2/28/2013 | 819.00 | .280 | 3.036 | 0.000 | 0.0000 | 0.00 | 370.06 |
| RC9 | RAIL CAR | Sour | 4/10/2012 | 803.00 | .100 | 15.180 | 12.250 | 0.0000 | 0.00 | 375.87 |
| S1 | CAL/SW, WHITECOURT, A | Sour | 2/1/2013 | .00 | .000 | 16.560 | -379.750 | 0.0000 | 0.00 | -14.75 |
| S2 | CAL/MBS, WHITECOURT, A | Sour | 2/1/2013 | .00 | .000 | 16.560 | -379.750 | 0.0000 | 0.00 | -14.75 |
| S3 | MSW SUPERIOR WISCONS | Sweet | 4/24/2013 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| S4 | CAL WHITECOURT, ALB. | Sour | 4/24/2013 | .00 | .000 | 16.560 | -379.750 | 0.0000 | 0.00 | -14.75 |
| S5 | MSW UNITY, SASKATCHE | Sweet | 4/24/2013 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| S6 | SW WHITECOURT, ALB. | Sweet | 4/24/2013 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| S7 | DRAYTON VALLEY SWEE | Sweet | 5/14/2013 | 834.00 | .000 | 6.900 | -4.410 | 0.0000 | 0.00 | 369.51 |
| S8 | BAKKEN/BIENFAIT SASKA | Sweet | 5/15/2013 | 822.00 | .150 | 4.830 | 0.000 | 0.0000 | 0.00 | 371.85 |

July 2020
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MARCUS TERMINALS INC #Name?

| POOL ID | Location | Sweet Sour | Date Quality Change | Density Kg/M3 | Sulphur Percent | Sulphur Adjustment | Density Adj. | BSW Pen | Mercap Penalty | Producer Price |
|---------|-----------------------|------------|---------------------|---------------|-----------------|--------------------|--------------|---------|----------------|----------------|
| S9 | NDS, FT. SASKATCHEWAN | Sour | 5/3/2013 | 819.00 | .280 | 12.696 | 12.250 | 0.0000 | 0.00 | 373.39 |
| U1 | | Sour | | .00 | | 16.560 | -379.750 | 0.0000 | 0.00 | -14.75 |
| U10 | AURELIUS MICHIGAN | Sour | 11/24/2003 | 838.30 | 1.040 | 2.208 | 5.733 | 0.0000 | 0.00 | 356.38 |
| U2 | CONNACHER BLEND/FT.M | Sour | 3/16/2012 | 950.00 | 4.500 | -45.540 | -49.000 | 0.0000 | 0.00 | 253.90 |
| U3 | | Sour | | .00 | | 16.560 | -379.750 | 0.0000 | 0.00 | -14.75 |
| U4 | GM 18 MICHIGAN | Sour | 11/24/2003 | 834.10 | .790 | 5.658 | 7.791 | 0.0000 | 0.00 | 361.89 |
| U5 | KENNINGTON/MILFORD | Sour | 11/24/2003 | 835.60 | .790 | 5.658 | 7.056 | 0.0000 | 0.00 | 361.15 |
| U6 | BRIGHTON 11 MICHIGAN | Sour | 11/24/2003 | 854.50 | 1.130 | 0.966 | -2.205 | 0.0000 | 0.00 | 347.20 |
| U7 | CONVIS MICHIGAN | Sour | 11/24/2003 | 870.30 | 1.840 | -8.832 | -9.947 | 0.0000 | 0.00 | 329.66 |
| U8 | PENFIELD MICHIGAN | Sour | 11/24/2003 | 892.80 | 2.100 | -12.420 | -20.972 | 0.0000 | 0.00 | 315.05 |
| U9 | SPUTNIK WHOLE CRUDE | Sour | 2/12/2007 | 848.00 | 3.090 | -26.082 | 0.980 | 0.0000 | 0.00 | 323.34 |
| V1 | HARTLAND MICHIGAN | Sour | 12/12/2003 | 812.00 | .840 | 4.968 | 12.250 | 0.0000 | 0.00 | 365.66 |
| V2 | HYPERION RICH FIELD | Sour | 3/30/2007 | 823.10 | 1.810 | -8.418 | 12.250 | 0.0000 | 0.00 | 352.27 |
| V3 | ADDISON MICHIGAN | Sour | 5/27/2005 | 839.30 | .765 | 6.003 | 5.243 | 0.0000 | 0.00 | 359.69 |
| X0 | FINCH / VIP SARNIA | Sweet | 7/2/2019 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| X1 | FINCH TERMINAL | Sweet | 7/1/2004 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| X2 | OTTAWA BULK TERMINA | Sweet | 7/1/2004 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| X3 | ST. GEORGE TERMINAL | Sweet | 7/1/2004 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| X4 | S.ST.MARIE TERMINAL | Sweet | 7/1/2004 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| X5 | SHELL KEELE TERMINAL | Sweet | 7/1/2004 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| X6 | SUDBURY BULK TERMINA | Sweet | 7/1/2004 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| X7 | ULTRAMAR TERMINAL (M | Sweet | 7/1/2004 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| X8 | PETRO CANADA/SHELL KE | Sweet | 4/11/2005 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| X9 | PETRO CANADA/OAKVILL | Sweet | 4/11/2005 | .00 | .000 | 6.900 | -392.000 | 0.0000 | 0.00 | -18.08 |
| Y1 | MERSEA (GOLDSMITH BA | Sweet | 6/1/1998 | 819.50 | .150 | 4.830 | 0.000 | 0.0000 | 0.00 | 371.85 |
| Y2 | ROMNEY TWP (RENEWICK | Sweet | | 816.60 | .150 | 4.830 | 0.000 | 0.0000 | 0.00 | 371.85 |
| Y3 | DOVER TWP (BATTERY) (| Sweet | | 828.00 | .130 | 5.106 | -1.470 | 0.0000 | 0.00 | 370.66 |