

Tank ID **080-005** Tank Type **F** Roof Weight **122,000** API **35.00** Gravity Correction **2.47**
 Strapped By: **HMT** 6/13/2012 Floating Height **3-04-00**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
0-00-00	38.49	3-06-00	5,386.54 F	7-00-00	10,894.67 F	10-06-00	16,809.37 F
0-01-00	64.00	3-07-00	5,519.23 F	7-01-00	11,035.49 F	10-07-00	16,950.19 F
0-02-00	98.88	3-08-00	5,647.68 F	7-02-00	11,176.31 F	10-08-00	17,091.02 F
0-03-00	145.34	3-09-00	5,771.96 F	7-03-00	11,317.14 F	10-09-00	17,231.84 F
0-04-00	200.82	3-10-00	5,892.13 F	7-04-00	11,457.96 F	10-10-00	17,372.67 F
0-05-00	275.35	3-11-00	6,008.28 F	7-05-00	11,598.79 F	10-11-00	17,513.49 F
0-06-00	378.84	4-00-00	6,120.47 F	7-06-00	11,739.61 F	11-00-00	17,654.31 F
0-07-00	490.40	4-01-00	6,190.33 F	7-07-00	11,880.43 F	11-01-00	17,795.14 F
0-08-00	614.00	4-02-00	6,193.71 F	7-08-00	12,021.26 F	11-02-00	17,935.96 F
0-09-00	745.36	4-03-00	6,247.53 F	7-09-00	12,162.10 F	11-03-00	18,076.79 F
0-10-00	883.71	4-04-00	6,388.35 F	7-10-00	12,302.93 F	11-04-00	18,217.61 F
0-11-00	1,024.53	4-05-00	6,529.17 F	7-11-00	12,443.76 F	11-05-00	18,358.43 F
1-00-00	1,165.37	4-06-00	6,669.99 F	8-00-00	12,584.59 F	11-06-00	18,499.26 F
1-01-00	1,306.22	4-07-00	6,810.82 F	8-01-00	12,725.42 F	11-07-00	18,640.08 F
1-02-00	1,447.06	4-08-00	6,951.64 F	8-02-00	12,866.26 F	11-08-00	18,780.91 F
1-03-00	1,587.91	4-09-00	7,092.46 F	8-03-00	13,007.09 F	11-09-00	18,921.73 F
1-04-00	1,728.75	4-10-00	7,233.28 F	8-04-00	13,147.92 F	11-10-00	19,062.55 F
1-05-00	1,869.58	4-11-00	7,374.11 F	8-05-00	13,288.75 F	11-11-00	19,203.38 F
1-06-00	2,010.43	5-00-00	7,514.93 F	8-06-00	13,429.58 F	12-00-00	19,344.20 F
1-07-00	2,151.28	5-01-00	7,655.75 F	8-07-00	13,570.42 F	12-01-00	19,485.03 F
1-08-00	2,292.13	5-02-00	7,796.57 F	8-08-00	13,711.24 F	12-02-00	19,625.85 F
1-09-00	2,432.98	5-03-00	7,937.40 F	8-09-00	13,852.07 F	12-03-00	19,766.67 F
1-10-00	2,573.83	5-04-00	8,078.22 F	8-10-00	13,992.89 F	12-04-00	19,907.50 F
1-11-00	2,714.68	5-05-00	8,219.04 F	8-11-00	14,133.71 F	12-05-00	20,048.32 F
2-00-00	2,855.53	5-06-00	8,359.86 F	9-00-00	14,274.54 F	12-06-00	20,189.15 F
2-01-00	2,996.38	5-07-00	8,500.69 F	9-01-00	14,415.36 F	12-07-00	20,329.97 F
2-02-00	3,137.23	5-08-00	8,641.51 F	9-02-00	14,556.19 F	12-08-00	20,470.79 F
2-03-00	3,278.08	5-09-00	8,782.33 F	9-03-00	14,697.01 F	12-09-00	20,611.62 F
2-04-00	3,418.93	5-10-00	8,923.15 F	9-04-00	14,837.83 F	12-10-00	20,752.44 F
2-05-00	3,559.78	5-11-00	9,063.98 F	9-05-00	14,978.66 F	12-11-00	20,893.27 F
2-06-00	3,700.63	6-00-00	9,204.80 F	9-06-00	15,119.48 F	13-00-00	21,034.09 F
2-07-00	3,841.48	6-01-00	9,345.62 F	9-07-00	15,260.31 F	13-01-00	21,174.91 F
2-08-00	3,982.33	6-02-00	9,486.44 F	9-08-00	15,401.13 F	13-02-00	21,315.74 F
2-09-00	4,123.18	6-03-00	9,627.26 F	9-09-00	15,541.95 F	13-03-00	21,456.56 F
2-10-00	4,264.02	6-04-00	9,768.09 F	9-10-00	15,682.78 F	13-04-00	21,597.39 F
2-11-00	4,404.87	6-05-00	9,908.91 F	9-11-00	15,823.60 F	13-05-00	21,738.21 F
3-00-00	4,545.70	6-06-00	10,049.73 F	10-00-00	15,964.43 F	13-06-00	21,879.03 F
3-01-00	4,686.52	6-07-00	10,190.55 F	10-01-00	16,105.25 F	13-07-00	22,019.86 F
3-02-00	4,827.34	6-08-00	10,331.38 F	10-02-00	16,246.07 F	13-08-00	22,160.68 F
3-03-00	4,968.17	6-09-00	10,472.20 F	10-03-00	16,386.90 F	13-09-00	22,301.51 F
3-04-00	5,108.99 F	6-10-00	10,613.02 F	10-04-00	16,527.72 F	13-10-00	22,442.33 F
3-05-00	5,249.54 F	6-11-00	10,753.84 F	10-05-00	16,668.55 F	13-11-00	22,583.15 F

All fractional values are to be calculated between the one inch values at the point of strapping

BOLD DENOTES ROOF CRITICAL ZONE

Tank Strapping Detail Report

Tank ID **080-005** Tank Type **F** Roof Weight **122,000** API **35.00** Gravity Correction **2.47**
 Strapped By: HMT 6/13/2012 Floating Height **3-04-00**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
14-00-00	22,723.98 F	17-06-00	28,639.20 F	21-00-00	34,554.69 F	24-06-00	40,469.86 F
14-01-00	22,864.80 F	17-07-00	28,780.05 F	21-01-00	34,695.53 F	24-07-00	40,610.68 F
14-02-00	23,005.63 F	17-08-00	28,920.89 F	21-02-00	34,836.38 F	24-08-00	40,751.51 F
14-03-00	23,146.45 F	17-09-00	29,061.74 F	21-03-00	34,977.22 F	24-09-00	40,892.34 F
14-04-00	23,287.27 F	17-10-00	29,202.58 F	21-04-00	35,118.07 F	24-10-00	41,033.16 F
14-05-00	23,428.10 F	17-11-00	29,343.43 F	21-05-00	35,258.91 F	24-11-00	41,173.99 F
14-06-00	23,568.92 F	18-00-00	29,484.27 F	21-06-00	35,399.75 F	25-00-00	41,314.82 F
14-07-00	23,709.75 F	18-01-00	29,625.12 F	21-07-00	35,540.60 F	25-01-00	41,455.65 F
14-08-00	23,850.57 F	18-02-00	29,765.96 F	21-08-00	35,681.44 F	25-02-00	41,596.47 F
14-09-00	23,991.39 F	18-03-00	29,906.81 F	21-09-00	35,822.29 F	25-03-00	41,737.30 F
14-10-00	24,132.22 F	18-04-00	30,047.65 F	21-10-00	35,963.13 F	25-04-00	41,878.13 F
14-11-00	24,273.04 F	18-05-00	30,188.50 F	21-11-00	36,103.98 F	25-05-00	42,018.95 F
15-00-00	24,413.87 F	18-06-00	30,329.34 F	22-00-00	36,244.82 F	25-06-00	42,159.78 F
15-01-00	24,554.71 F	18-07-00	30,470.19 F	22-01-00	36,385.67 F	25-07-00	42,300.61 F
15-02-00	24,695.55 F	18-08-00	30,611.03 F	22-02-00	36,526.51 F	25-08-00	42,441.44 F
15-03-00	24,836.39 F	18-09-00	30,751.88 F	22-03-00	36,667.36 F	25-09-00	42,582.26 F
15-04-00	24,977.24 F	18-10-00	30,892.72 F	22-04-00	36,808.20 F	25-10-00	42,723.09 F
15-05-00	25,118.08 F	18-11-00	31,033.57 F	22-05-00	36,949.05 F	25-11-00	42,863.92 F
15-06-00	25,258.93 F	19-00-00	31,174.41 F	22-06-00	37,089.89 F	26-00-00	43,004.74 F
15-07-00	25,399.77 F	19-01-00	31,315.26 F	22-07-00	37,230.74 F	26-01-00	43,145.57 F
15-08-00	25,540.62 F	19-02-00	31,456.10 F	22-08-00	37,371.58 F	26-02-00	43,286.40 F
15-09-00	25,681.46 F	19-03-00	31,596.95 F	22-09-00	37,512.43 F	26-03-00	43,427.23 F
15-10-00	25,822.31 F	19-04-00	31,737.79 F	22-10-00	37,653.27 F	26-04-00	43,568.05 F
15-11-00	25,963.15 F	19-05-00	31,878.63 F	22-11-00	37,794.12 F	26-05-00	43,708.88 F
16-00-00	26,104.00 F	19-06-00	32,019.48 F	23-00-00	37,934.96 F	26-06-00	43,849.71 F
16-01-00	26,244.84 F	19-07-00	32,160.32 F	23-01-00	38,075.79 F	26-07-00	43,990.54 F
16-02-00	26,385.69 F	19-08-00	32,301.17 F	23-02-00	38,216.62 F	26-08-00	44,131.36 F
16-03-00	26,526.53 F	19-09-00	32,442.01 F	23-03-00	38,357.45 F	26-09-00	44,272.19 F
16-04-00	26,667.38 F	19-10-00	32,582.86 F	23-04-00	38,498.27 F	26-10-00	44,413.02 F
16-05-00	26,808.22 F	19-11-00	32,723.70 F	23-05-00	38,639.10 F	26-11-00	44,553.84 F
16-06-00	26,949.07 F	20-00-00	32,864.55 F	23-06-00	38,779.93 F	27-00-00	44,694.67 F
16-07-00	27,089.91 F	20-01-00	33,005.39 F	23-07-00	38,920.76 F	27-01-00	44,835.50 F
16-08-00	27,230.76 F	20-02-00	33,146.24 F	23-08-00	39,061.58 F	27-02-00	44,976.33 F
16-09-00	27,371.60 F	20-03-00	33,287.08 F	23-09-00	39,202.41 F	27-03-00	45,117.15 F
16-10-00	27,512.45 F	20-04-00	33,427.93 F	23-10-00	39,343.24 F	27-04-00	45,257.98 F
16-11-00	27,653.29 F	20-05-00	33,568.77 F	23-11-00	39,484.06 F	27-05-00	45,398.81 F
17-00-00	27,794.14 F	20-06-00	33,709.62 F	24-00-00	39,624.89 F	27-06-00	45,539.63 F
17-01-00	27,934.98 F	20-07-00	33,850.46 F	24-01-00	39,765.72 F	27-07-00	45,680.46 F
17-02-00	28,075.83 F	20-08-00	33,991.31 F	24-02-00	39,906.55 F	27-08-00	45,821.29 F
17-03-00	28,216.67 F	20-09-00	34,132.15 F	24-03-00	40,047.37 F	27-09-00	45,962.12 F
17-04-00	28,357.51 F	20-10-00	34,273.00 F	24-04-00	40,188.20 F	27-10-00	46,102.94 F
17-05-00	28,498.36 F	20-11-00	34,413.84 F	24-05-00	40,329.03 F	27-11-00	46,243.77 F

All fractional values are to be calculated between the one inch values at the point of strapping

BOLD DENOTES ROOF CRITICAL ZONE

Tank ID **080-005** Tank Type **F** Roof Weight **122,000** API **35.00** Gravity Correction **2.47**
 Strapped By: HMT 6/13/2012 Floating Height **3-04-00**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
28-00-00	46,384.60 F	31-06-00	52,299.22 F	35-00-00	58,213.09 F	38-06-00	64,126.96 F
28-01-00	46,525.42 F	31-07-00	52,440.03 F	35-01-00	58,353.90 F	38-07-00	64,267.76 F
28-02-00	46,666.25 F	31-08-00	52,580.83 F	35-02-00	58,494.70 F	38-08-00	64,408.57 F
28-03-00	46,807.08 F	31-09-00	52,721.64 F	35-03-00	58,635.51 F	38-09-00	64,549.38 F
28-04-00	46,947.91 F	31-10-00	52,862.45 F	35-04-00	58,776.31 F	38-10-00	64,690.18 F
28-05-00	47,088.73 F	31-11-00	53,003.25 F	35-05-00	58,917.12 F	38-11-00	64,830.99 F
28-06-00	47,229.56 F	32-00-00	53,144.06 F	35-06-00	59,057.93 F	39-00-00	64,971.80 F
28-07-00	47,370.39 F	32-01-00	53,284.87 F	35-07-00	59,198.73 F	39-01-00	65,112.64 F
28-08-00	47,511.22 F	32-02-00	53,425.67 F	35-08-00	59,339.54 F	39-02-00	65,253.49 F
28-09-00	47,652.04 F	32-03-00	53,566.48 F	35-09-00	59,480.35 F	39-03-00	65,394.34 F
28-10-00	47,792.87 F	32-04-00	53,707.28 F	35-10-00	59,621.15 F	39-04-00	65,535.19 F
28-11-00	47,933.70 F	32-05-00	53,848.09 F	35-11-00	59,761.96 F	39-05-00	65,676.04 F
29-00-00	48,074.52 F	32-06-00	53,988.90 F	36-00-00	59,902.77 F	39-06-00	65,816.89 F
29-01-00	48,215.35 F	32-07-00	54,129.70 F	36-01-00	60,043.57 F	39-07-00	65,957.74 F
29-02-00	48,356.18 F	32-08-00	54,270.51 F	36-02-00	60,184.38 F	39-08-00	66,098.59 F
29-03-00	48,497.01 F	32-09-00	54,411.32 F	36-03-00	60,325.19 F	39-09-00	66,239.44 F
29-04-00	48,637.83 F	32-10-00	54,552.12 F	36-04-00	60,465.99 F	39-10-00	66,380.29 F
29-05-00	48,778.66 F	32-11-00	54,692.93 F	36-05-00	60,606.80 F	39-11-00	66,521.15 F
29-06-00	48,919.49 F	33-00-00	54,833.74 F	36-06-00	60,747.60 F	40-00-00	66,662.00 F
29-07-00	49,060.31 F	33-01-00	54,974.54 F	36-07-00	60,888.41 F	40-01-00	66,802.85 F
29-08-00	49,201.14 F	33-02-00	55,115.35 F	36-08-00	61,029.22 F	40-02-00	66,943.70 F
29-09-00	49,341.97 F	33-03-00	55,256.15 F	36-09-00	61,170.02 F	40-03-00	67,084.55 F
29-10-00	49,482.80 F	33-04-00	55,396.96 F	36-10-00	61,310.83 F	40-04-00	67,225.40 F
29-11-00	49,623.62 F	33-05-00	55,537.77 F	36-11-00	61,451.64 F	40-05-00	67,366.25 F
30-00-00	49,764.45 F	33-06-00	55,678.57 F	37-00-00	61,592.44 F	40-06-00	67,507.10 F
30-01-00	49,905.28 F	33-07-00	55,819.38 F	37-01-00	61,733.25 F	40-07-00	67,647.95 F
30-02-00	50,046.10 F	33-08-00	55,960.19 F	37-02-00	61,874.06 F	40-08-00	67,788.80 F
30-03-00	50,186.93 F	33-09-00	56,100.99 F	37-03-00	62,014.86 F	40-09-00	67,929.65 F
30-04-00	50,327.76 F	33-10-00	56,241.80 F	37-04-00	62,155.67 F	40-10-00	68,070.50 F
30-05-00	50,468.59 F	33-11-00	56,382.61 F	37-05-00	62,296.47 F	40-11-00	68,211.35 F
30-06-00	50,609.41 F	34-00-00	56,523.41 F	37-06-00	62,437.28 F	41-00-00	68,352.20 F
30-07-00	50,750.24 F	34-01-00	56,664.22 F	37-07-00	62,578.09 F	41-01-00	68,493.05 F
30-08-00	50,891.07 F	34-02-00	56,805.03 F	37-08-00	62,718.89 F	41-02-00	68,633.90 F
30-09-00	51,031.90 F	34-03-00	56,945.83 F	37-09-00	62,859.70 F	41-03-00	68,774.75 F
30-10-00	51,172.72 F	34-04-00	57,086.64 F	37-10-00	63,000.51 F	41-04-00	68,915.60 F
30-11-00	51,313.55 F	34-05-00	57,227.44 F	37-11-00	63,141.31 F	41-05-00	69,056.45 F
31-00-00	51,454.38 F	34-06-00	57,368.25 F	38-00-00	63,282.12 F	41-06-00	69,197.30 F
31-01-00	51,595.19 F	34-07-00	57,509.06 F	38-01-00	63,422.93 F	41-07-00	69,338.15 F
31-02-00	51,735.99 F	34-08-00	57,649.86 F	38-02-00	63,563.73 F	41-08-00	69,479.00 F
31-03-00	51,876.80 F	34-09-00	57,790.67 F	38-03-00	63,704.54 F	41-09-00	69,619.85 F
31-04-00	52,017.61 F	34-10-00	57,931.48 F	38-04-00	63,845.35 F	41-10-00	69,760.70 F
31-05-00	52,158.41 F	34-11-00	58,072.28 F	38-05-00	63,986.15 F	41-11-00	69,901.55 F

All fractional values are to be calculated between the one inch values at the point of strapping

BOLD DENOTES ROOF CRITICAL ZONE

Tank Strapping Detail Report

Tank ID **080-005** Tank Type **F** Roof Weight **122,000** API **35.00** Gravity Correction **2.47**
 Strapped By: HMT 6/13/2012 Floating Height **3-04-00**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
42-00-00	70,042.41 F	45-06-00	75,958.12 F				
42-01-00	70,183.26 F	45-07-00	76,098.97 F				
42-02-00	70,324.11 F	45-08-00	76,239.82 F				
42-03-00	70,464.96 F	45-09-00	76,380.67 F				
42-04-00	70,605.81 F	45-10-00	76,521.52 F				
42-05-00	70,746.66 F	45-11-00	76,662.37 F				
42-06-00	70,887.51 F	46-00-00	76,803.22 F				
42-07-00	71,028.36 F	46-01-00	76,944.07 F				
42-08-00	71,169.21 F	46-02-00	77,084.93 F				
42-09-00	71,310.06 F	46-03-00	77,225.78 F				
42-10-00	71,450.91 F	46-04-00	77,366.63 F				
42-11-00	71,591.76 F	46-05-00	77,507.48 F				
43-00-00	71,732.61 F	46-06-00	77,648.33 F				
43-01-00	71,873.46 F	46-07-00	77,789.18 F				
43-02-00	72,014.31 F	46-08-00	77,930.03 F				
43-03-00	72,155.16 F	46-09-00	78,070.88 F				
43-04-00	72,296.01 F	46-10-00	78,211.73 F				
43-05-00	72,436.86 F	46-11-00	78,352.58 F				
43-06-00	72,577.71 F	47-00-00	78,493.43 F				
43-07-00	72,718.56 F	47-01-00	78,634.28 F				
43-08-00	72,859.41 F	47-02-00	78,775.13 F				
43-09-00	73,000.26 F						
43-10-00	73,141.11 F						
43-11-00	73,281.96 F						
44-00-00	73,422.81 F						
44-01-00	73,563.67 F						
44-02-00	73,704.52 F						
44-03-00	73,845.37 F						
44-04-00	73,986.22 F						
44-05-00	74,127.07 F						
44-06-00	74,267.92 F						
44-07-00	74,408.77 F						
44-08-00	74,549.62 F						
44-09-00	74,690.47 F						
44-10-00	74,831.32 F						
44-11-00	74,972.17 F						
45-00-00	75,113.02 F						
45-01-00	75,253.87 F						
45-02-00	75,394.72 F						
45-03-00	75,535.57 F						
45-04-00	75,676.42 F						
45-05-00	75,817.27 F						

All fractional values are to be calculated between the one inch values at the point of strapping

BOLD DENOTES ROOF CRITICAL ZONE