

Tank Strapping Detail Report

Tank ID **080-027** Tank Type **F** Roof Weight **9,115** API **47.20** Gravity Correction **.18**  
 Strapped By: **HMT** 7/18/2012 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	20.32	<b>3-06-00</b>	5,115.06 F	7-00-00	10,948.20 F	10-06-00	16,866.28 F
0-01-00	32.18	<b>3-07-00</b>	5,248.58 F	7-01-00	11,089.06 F	10-07-00	17,007.18 F
0-02-00	51.96	<b>3-08-00</b>	5,381.33 F	7-02-00	11,229.96 F	10-08-00	17,148.09 F
0-03-00	81.09	<b>3-09-00</b>	5,454.63 F	7-03-00	11,370.86 F	10-09-00	17,289.00 F
0-04-00	120.18	3-10-00	5,595.49 F	7-04-00	11,511.77 F	10-10-00	17,429.91 F
0-05-00	167.43	3-11-00	5,736.35 F	7-05-00	11,652.68 F	10-11-00	17,570.82 F
0-06-00	224.40	4-00-00	5,877.21 F	7-06-00	11,793.59 F	11-00-00	17,711.72 F
0-07-00	292.14	4-01-00	6,018.07 F	7-07-00	11,934.50 F	11-01-00	17,852.63 F
0-08-00	381.05	4-02-00	6,158.93 F	7-08-00	12,075.40 F	11-02-00	17,993.54 F
0-09-00	490.29	4-03-00	6,299.79 F	7-09-00	12,216.31 F	11-03-00	18,134.45 F
0-10-00	617.31	4-04-00	6,440.65 F	7-10-00	12,357.22 F	11-04-00	18,275.36 F
0-11-00	777.14	4-05-00	6,581.52 F	7-11-00	12,498.13 F	11-05-00	18,416.26 F
1-00-00	917.96	4-06-00	6,722.38 F	8-00-00	12,639.04 F	11-06-00	18,557.17 F
1-01-00	1,058.79	4-07-00	6,863.24 F	8-01-00	12,779.94 F	11-07-00	18,698.08 F
1-02-00	1,199.61	4-08-00	7,004.10 F	8-02-00	12,920.85 F	11-08-00	18,838.99 F
1-03-00	1,340.42	4-09-00	7,144.96 F	8-03-00	13,061.76 F	11-09-00	18,979.90 F
1-04-00	1,481.23	4-10-00	7,285.82 F	8-04-00	13,202.67 F	11-10-00	19,120.80 F
1-05-00	1,622.06	4-11-00	7,426.68 F	8-05-00	13,343.58 F	11-11-00	19,261.71 F
1-06-00	1,762.90	5-00-00	7,567.54 F	8-06-00	13,484.48 F	12-00-00	19,402.62 F
1-07-00	1,903.77	5-01-00	7,708.40 F	8-07-00	13,625.39 F	12-01-00	19,543.53 F
1-08-00	2,044.65	5-02-00	7,849.26 F	8-08-00	13,766.30 F	12-02-00	19,684.44 F
1-09-00	2,185.53	5-03-00	7,990.12 F	8-09-00	13,907.21 F	12-03-00	19,825.34 F
1-10-00	2,326.41	5-04-00	8,130.98 F	8-10-00	14,048.12 F	12-04-00	19,966.25 F
1-11-00	2,467.28	5-05-00	8,271.84 F	8-11-00	14,189.02 F	12-05-00	20,107.16 F
2-00-00	2,608.17	5-06-00	8,412.71 F	9-00-00	14,329.93 F	12-06-00	20,248.07 F
2-01-00	2,747.10	5-07-00	8,553.57 F	9-01-00	14,470.84 F	12-07-00	20,388.98 F
2-02-00	2,886.04	5-08-00	8,694.43 F	9-02-00	14,611.75 F	12-08-00	20,529.88 F
2-03-00	3,024.97	5-09-00	8,835.29 F	9-03-00	14,752.66 F	12-09-00	20,670.79 F
2-04-00	3,163.90	5-10-00	8,976.15 F	9-04-00	14,893.56 F	12-10-00	20,811.70 F
2-05-00	3,302.84	5-11-00	9,117.01 F	9-05-00	15,034.47 F	12-11-00	20,952.61 F
2-06-00	3,441.77	6-00-00	9,257.87 F	9-06-00	15,175.38 F	13-00-00	21,093.52 F
2-07-00	3,580.70	6-01-00	9,398.73 F	9-07-00	15,316.29 F	13-01-00	21,234.42 F
2-08-00	3,719.64	6-02-00	9,539.59 F	9-08-00	15,457.20 F	13-02-00	21,375.33 F
2-09-00	3,858.57	6-03-00	9,680.45 F	9-09-00	15,598.10 F	13-03-00	21,516.24 F
2-10-00	3,997.50	6-04-00	9,821.31 F	9-10-00	15,739.01 F	13-04-00	21,657.15 F
2-11-00	4,138.39	6-05-00	9,962.17 F	9-11-00	15,879.92 F	13-05-00	21,798.06 F
3-00-00	4,279.27	6-06-00	10,103.04 F	10-00-00	16,020.83 F	13-06-00	21,938.96 F
3-01-00	4,420.16	6-07-00	10,243.90 F	10-01-00	16,161.74 F	13-07-00	22,079.87 F
3-02-00	4,561.05	6-08-00	10,384.76 F	10-02-00	16,302.64 F	13-08-00	22,220.78 F
3-03-00	4,701.93	6-09-00	10,525.62 F	10-03-00	16,443.55 F	13-09-00	22,361.69 F
<b>3-04-00</b>	4,842.82 F	6-10-00	10,666.48 F	10-04-00	16,584.46 F	13-10-00	22,502.60 F
<b>3-05-00</b>	4,980.21 F	6-11-00	10,807.34 F	10-05-00	16,725.37 F	13-11-00	22,643.50 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 **080-027** Tank Type **F** Roof Weight **9,115** API **47.20** Gravity Correction **.18**  
 Strapped By: **HMT** 7/18/2012 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	22,784.41 F	17-06-00	28,703.96 F	21-00-00	34,624.21 F	24-06-00	40,547.25 F
14-01-00	22,925.32 F	17-07-00	28,844.92 F	21-01-00	34,765.17 F	24-07-00	40,688.38 F
14-02-00	23,066.23 F	17-08-00	28,985.88 F	21-02-00	34,906.13 F	24-08-00	40,829.51 F
14-03-00	23,207.14 F	17-09-00	29,126.84 F	21-03-00	35,047.09 F	24-09-00	40,970.64 F
14-04-00	23,348.04 F	17-10-00	29,267.79 F	21-04-00	35,188.05 F	24-10-00	41,111.77 F
14-05-00	23,488.95 F	17-11-00	29,408.75 F	21-05-00	35,329.00 F	24-11-00	41,252.90 F
14-06-00	23,629.86 F	18-00-00	29,549.71 F	21-06-00	35,469.96 F	25-00-00	41,394.03 F
14-07-00	23,770.77 F	18-01-00	29,690.67 F	21-07-00	35,610.92 F	25-01-00	41,535.15 F
14-08-00	23,911.68 F	18-02-00	29,831.63 F	21-08-00	35,751.88 F	25-02-00	41,676.28 F
14-09-00	24,052.58 F	18-03-00	29,972.59 F	21-09-00	35,892.84 F	25-03-00	41,817.41 F
14-10-00	24,193.49 F	18-04-00	30,113.54 F	21-10-00	36,033.80 F	25-04-00	41,958.54 F
14-11-00	24,334.40 F	18-05-00	30,254.50 F	21-11-00	36,174.76 F	25-05-00	42,099.67 F
15-00-00	24,475.31 F	18-06-00	30,395.46 F	22-00-00	36,315.71 F	25-06-00	42,240.80 F
15-01-00	24,616.22 F	18-07-00	30,536.42 F	22-01-00	36,456.67 F	25-07-00	42,381.93 F
15-02-00	24,757.12 F	18-08-00	30,677.38 F	22-02-00	36,597.63 F	25-08-00	42,523.06 F
15-03-00	24,898.08 F	18-09-00	30,818.34 F	22-03-00	36,738.59 F	25-09-00	42,664.19 F
15-04-00	25,039.04 F	18-10-00	30,959.29 F	22-04-00	36,879.55 F	25-10-00	42,805.32 F
15-05-00	25,180.00 F	18-11-00	31,100.25 F	22-05-00	37,020.51 F	25-11-00	42,946.45 F
15-06-00	25,320.96 F	19-00-00	31,241.21 F	22-06-00	37,161.46 F	26-00-00	43,087.58 F
15-07-00	25,461.92 F	19-01-00	31,382.17 F	22-07-00	37,302.42 F	26-01-00	43,228.71 F
15-08-00	25,602.88 F	19-02-00	31,523.13 F	22-08-00	37,443.38 F	26-02-00	43,369.84 F
15-09-00	25,743.83 F	19-03-00	31,664.09 F	22-09-00	37,584.34 F	26-03-00	43,510.97 F
15-10-00	25,884.79 F	19-04-00	31,805.04 F	22-10-00	37,725.30 F	26-04-00	43,652.10 F
15-11-00	26,025.75 F	19-05-00	31,946.00 F	22-11-00	37,866.26 F	26-05-00	43,793.23 F
16-00-00	26,166.71 F	19-06-00	32,086.96 F	23-00-00	38,007.21 F	26-06-00	43,934.36 F
16-01-00	26,307.67 F	19-07-00	32,227.92 F	23-01-00	38,148.17 F	26-07-00	44,075.49 F
16-02-00	26,448.63 F	19-08-00	32,368.88 F	23-02-00	38,289.17 F	26-08-00	44,216.62 F
16-03-00	26,589.58 F	19-09-00	32,509.84 F	23-03-00	38,430.30 F	26-09-00	44,357.75 F
16-04-00	26,730.54 F	19-10-00	32,650.80 F	23-04-00	38,571.43 F	26-10-00	44,498.88 F
16-05-00	26,871.50 F	19-11-00	32,791.75 F	23-05-00	38,712.56 F	26-11-00	44,640.01 F
16-06-00	27,012.46 F	20-00-00	32,932.71 F	23-06-00	38,853.69 F	27-00-00	44,781.14 F
16-07-00	27,153.42 F	20-01-00	33,073.67 F	23-07-00	38,994.82 F	27-01-00	44,922.27 F
16-08-00	27,294.38 F	20-02-00	33,214.63 F	23-08-00	39,135.95 F	27-02-00	45,063.39 F
16-09-00	27,435.33 F	20-03-00	33,355.59 F	23-09-00	39,277.08 F	27-03-00	45,204.52 F
16-10-00	27,576.29 F	20-04-00	33,496.55 F	23-10-00	39,418.21 F	27-04-00	45,345.65 F
16-11-00	27,717.25 F	20-05-00	33,637.50 F	23-11-00	39,559.34 F	27-05-00	45,486.78 F
17-00-00	27,858.21 F	20-06-00	33,778.46 F	24-00-00	39,700.47 F	27-06-00	45,627.91 F
17-01-00	27,999.17 F	20-07-00	33,919.42 F	24-01-00	39,841.60 F	27-07-00	45,769.04 F
17-02-00	28,140.13 F	20-08-00	34,060.38 F	24-02-00	39,982.73 F	27-08-00	45,910.17 F
17-03-00	28,281.08 F	20-09-00	34,201.34 F	24-03-00	40,123.86 F	27-09-00	46,051.30 F
17-04-00	28,422.04 F	20-10-00	34,342.30 F	24-04-00	40,264.99 F	27-10-00	46,192.43 F
17-05-00	28,563.00 F	20-11-00	34,483.25 F	24-05-00	40,406.12 F	27-11-00	46,333.56 F

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Tank ID **080-027** Tank Type **F** Roof Weight **9,115** API **47.20** Gravity Correction **.18**  
 Strapped By: **HMT** 7/18/2012 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	46,474.69 F	31-06-00	52,402.36 F	35-00-00	58,332.53 F	38-06-00	64,262.69 F
28-01-00	46,615.82 F	31-07-00	52,543.56 F	35-01-00	58,473.72 F	38-07-00	64,403.88 F
28-02-00	46,756.95 F	31-08-00	52,684.75 F	35-02-00	58,614.91 F	38-08-00	64,545.08 F
28-03-00	46,898.08 F	31-09-00	52,825.94 F	35-03-00	58,756.11 F	38-09-00	64,686.27 F
28-04-00	47,039.21 F	31-10-00	52,967.14 F	35-04-00	58,897.30 F	38-10-00	64,827.47 F
28-05-00	47,180.34 F	31-11-00	53,108.33 F	35-05-00	59,038.50 F	38-11-00	64,968.66 F
28-06-00	47,321.47 F	32-00-00	53,249.53 F	35-06-00	59,179.69 F	39-00-00	65,109.86 F
28-07-00	47,462.60 F	32-01-00	53,390.72 F	35-07-00	59,320.89 F	39-01-00	65,251.05 F
28-08-00	47,603.73 F	32-02-00	53,531.92 F	35-08-00	59,462.08 F	39-02-00	65,392.25 F
28-09-00	47,744.86 F	32-03-00	53,673.11 F	35-09-00	59,603.28 F	39-03-00	65,533.52 F
28-10-00	47,885.99 F	32-04-00	53,814.30 F	35-10-00	59,744.47 F	39-04-00	65,674.79 F
28-11-00	48,027.12 F	32-05-00	53,955.50 F	35-11-00	59,885.66 F	39-05-00	65,816.06 F
29-00-00	48,168.25 F	32-06-00	54,096.69 F	36-00-00	60,026.86 F	39-06-00	65,957.34 F
29-01-00	48,309.38 F	32-07-00	54,237.89 F	36-01-00	60,168.05 F	39-07-00	66,098.61 F
29-02-00	48,450.51 F	32-08-00	54,379.08 F	36-02-00	60,309.25 F	39-08-00	66,239.88 F
29-03-00	48,591.63 F	32-09-00	54,520.28 F	36-03-00	60,450.44 F	39-09-00	66,381.16 F
29-04-00	48,732.76 F	32-10-00	54,661.47 F	36-04-00	60,591.64 F	39-10-00	66,522.43 F
29-05-00	48,873.89 F	32-11-00	54,802.67 F	36-05-00	60,732.83 F	39-11-00	66,663.70 F
29-06-00	49,015.02 F	33-00-00	54,943.86 F	36-06-00	60,874.02 F	40-00-00	66,804.97 F
29-07-00	49,156.15 F	33-01-00	55,085.05 F	36-07-00	61,015.22 F	40-01-00	66,946.25 F
29-08-00	49,297.28 F	33-02-00	55,226.25 F	36-08-00	61,156.41 F	40-02-00	67,087.52 F
29-09-00	49,438.41 F	33-03-00	55,367.44 F	36-09-00	61,297.61 F	40-03-00	67,228.79 F
29-10-00	49,579.54 F	33-04-00	55,508.64 F	36-10-00	61,438.80 F	40-04-00	67,370.06 F
29-11-00	49,720.67 F	33-05-00	55,649.83 F	36-11-00	61,580.00 F	40-05-00	67,511.34 F
30-00-00	49,861.80 F	33-06-00	55,791.03 F	37-00-00	61,721.19 F	40-06-00	67,652.61 F
30-01-00	50,002.93 F	33-07-00	55,932.22 F	37-01-00	61,862.39 F	40-07-00	67,793.88 F
30-02-00	50,144.06 F	33-08-00	56,073.42 F	37-02-00	62,003.58 F	40-08-00	67,935.16 F
30-03-00	50,285.19 F	33-09-00	56,214.61 F	37-03-00	62,144.77 F	40-09-00	68,076.43 F
30-04-00	50,426.32 F	33-10-00	56,355.80 F	37-04-00	62,285.97 F	40-10-00	68,217.70 F
30-05-00	50,567.45 F	33-11-00	56,497.00 F	37-05-00	62,427.16 F	40-11-00	68,358.97 F
30-06-00	50,708.58 F	34-00-00	56,638.19 F	37-06-00	62,568.36 F	41-00-00	68,500.25 F
30-07-00	50,849.71 F	34-01-00	56,779.39 F	37-07-00	62,709.55 F	41-01-00	68,641.52 F
30-08-00	50,990.84 F	34-02-00	56,920.58 F	37-08-00	62,850.75 F	41-02-00	68,782.79 F
30-09-00	51,131.97 F	34-03-00	57,061.78 F	37-09-00	62,991.94 F	41-03-00	68,924.07 F
30-10-00	51,273.10 F	34-04-00	57,202.97 F	37-10-00	63,133.14 F	41-04-00	69,065.34 F
30-11-00	51,414.23 F	34-05-00	57,344.16 F	37-11-00	63,274.33 F	41-05-00	69,206.61 F
31-00-00	51,555.36 F	34-06-00	57,485.36 F	38-00-00	63,415.52 F	41-06-00	69,347.88 F
31-01-00	51,696.49 F	34-07-00	57,626.55 F	38-01-00	63,556.72 F	41-07-00	69,489.16 F
31-02-00	51,837.62 F	34-08-00	57,767.75 F	38-02-00	63,697.91 F	41-08-00	69,630.43 F
31-03-00	51,978.78 F	34-09-00	57,908.94 F	38-03-00	63,839.11 F	41-09-00	69,771.70 F
31-04-00	52,119.97 F	34-10-00	58,050.14 F	38-04-00	63,980.30 F	41-10-00	69,912.98 F
31-05-00	52,261.17 F	34-11-00	58,191.33 F	38-05-00	64,121.50 F	41-11-00	70,054.25 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 **080-027** Tank Type **F** Roof Weight **9,115** API **47.20** Gravity Correction **.18**  
 Strapped By: HMT 7/18/2012 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	70,195.52 F	45-06-00	76,128.98 F				
42-01-00	70,336.79 F	45-07-00	76,270.25 F				
42-02-00	70,478.07 F	45-08-00	76,411.52 F				
42-03-00	70,619.34 F	45-09-00	76,552.80 F				
42-04-00	70,760.61 F	45-10-00	76,694.07 F				
42-05-00	70,901.88 F	45-11-00	76,835.34 F				
42-06-00	71,043.16 F	46-00-00	76,976.62 F				
42-07-00	71,184.43 F	46-01-00	77,117.89 F				
42-08-00	71,325.70 F	46-02-00	77,259.16 F				
42-09-00	71,466.98 F	46-03-00	77,400.43 F				
42-10-00	71,608.25 F	46-04-00	77,541.71 F				
42-11-00	71,749.52 F	46-05-00	77,682.98 F				
43-00-00	71,890.79 F	46-06-00	77,824.25 F				
43-01-00	72,032.07 F	46-07-00	77,965.52 F				
43-02-00	72,173.34 F	46-08-00	78,106.80 F				
43-03-00	72,314.61 F	46-09-00	78,248.07 F				
43-04-00	72,455.89 F	46-10-00	78,389.34 F				
43-05-00	72,597.16 F	46-11-00	78,530.62 F				
43-06-00	72,738.43 F	47-00-00	78,671.89 F				
43-07-00	72,879.70 F	47-01-00	78,813.16 F				
43-08-00	73,020.98 F	47-02-00	78,954.43 F				
43-09-00	73,162.25 F	47-03-00	79,095.71 F				
43-10-00	73,303.52 F	47-04-00	79,236.98 F				
43-11-00	73,444.80 F	47-05-00	79,378.25 F				
44-00-00	73,586.07 F	47-06-00	79,519.53 F				
44-01-00	73,727.34 F	47-07-00	79,660.80 F				
44-02-00	73,868.61 F						
44-03-00	74,009.89 F						
44-04-00	74,151.16 F						
44-05-00	74,292.43 F						
44-06-00	74,433.70 F						
44-07-00	74,574.98 F						
44-08-00	74,716.25 F						
44-09-00	74,857.52 F						
44-10-00	74,998.80 F						
44-11-00	75,140.07 F						
45-00-00	75,281.34 F						
45-01-00	75,422.61 F						
45-02-00	75,563.89 F						
45-03-00	75,705.16 F						
45-04-00	75,846.43 F						
45-05-00	75,987.71 F						

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

**BOLD DENOTES ROOF CRITICAL ZONE**