

## Tank Strapping Detail Report

Tank ID **080-001** Tank Type **F** Roof Weight **88,084** API **45.30** Gravity Correction **1.78**  
 Strapped By: HMT 2/25/2015 Floating Height **4-06-00**

<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	46.28	3-06-00	5,649.82	7-00-00	11,251.48 F	10-06-00	17,168.33 F
0-01-00	115.19	3-07-00	5,790.69	7-01-00	11,392.35 F	10-07-00	17,309.21 F
0-02-00	210.43	3-08-00	5,931.55	7-02-00	11,533.21 F	10-08-00	17,450.09 F
0-03-00	314.21	3-09-00	6,072.42	7-03-00	11,674.08 F	10-09-00	17,590.97 F
0-04-00	419.80	3-10-00	6,213.29	7-04-00	11,814.95 F	10-10-00	17,731.85 F
0-05-00	525.39	3-11-00	6,354.15	7-05-00	11,955.82 F	10-11-00	17,872.73 F
0-06-00	630.97	4-00-00	6,495.02	7-06-00	12,096.68 F	11-00-00	18,013.61 F
0-07-00	736.56	4-01-00	6,635.89	7-07-00	12,237.55 F	11-01-00	18,154.49 F
0-08-00	859.80	4-02-00	6,776.76	7-08-00	12,378.42 F	11-02-00	18,295.37 F
0-09-00	1,000.69	4-03-00	6,917.62	7-09-00	12,519.29 F	11-03-00	18,436.25 F
0-10-00	1,141.57	4-04-00	7,058.49	7-10-00	12,660.17 F	11-04-00	18,577.13 F
0-11-00	1,282.47	4-05-00	7,199.36	7-11-00	12,801.05 F	11-05-00	18,718.01 F
1-00-00	1,423.37	<b>4-06-00</b>	7,340.22 F	8-00-00	12,941.93 F	11-06-00	18,858.89 F
1-01-00	1,564.28	<b>4-07-00</b>	7,376.17 F	8-01-00	13,082.81 F	11-07-00	18,999.77 F
1-02-00	1,705.18	<b>4-08-00</b>	7,412.12 F	8-02-00	13,223.69 F	11-08-00	19,140.65 F
1-03-00	1,846.09	<b>4-09-00</b>	7,448.07 F	8-03-00	13,364.57 F	11-09-00	19,281.53 F
1-04-00	1,986.98	4-10-00	7,588.93 F	8-04-00	13,505.45 F	11-10-00	19,422.41 F
1-05-00	2,127.88	4-11-00	7,729.80 F	8-05-00	13,646.33 F	11-11-00	19,563.29 F
1-06-00	2,268.77	5-00-00	7,870.67 F	8-06-00	13,787.21 F	12-00-00	19,704.17 F
1-07-00	2,409.67	5-01-00	8,011.53 F	8-07-00	13,928.09 F	12-01-00	19,845.05 F
1-08-00	2,550.55	5-02-00	8,152.40 F	8-08-00	14,068.97 F	12-02-00	19,985.93 F
1-09-00	2,691.43	5-03-00	8,293.27 F	8-09-00	14,209.85 F	12-03-00	20,126.81 F
1-10-00	2,832.31	5-04-00	8,434.14 F	8-10-00	14,350.73 F	12-04-00	20,267.69 F
1-11-00	2,973.19	5-05-00	8,575.00 F	8-11-00	14,491.61 F	12-05-00	20,408.57 F
2-00-00	3,114.07	5-06-00	8,715.87 F	9-00-00	14,632.49 F	12-06-00	20,549.45 F
2-01-00	3,254.95	5-07-00	8,856.74 F	9-01-00	14,773.37 F	12-07-00	20,690.33 F
2-02-00	3,395.83	5-08-00	8,997.61 F	9-02-00	14,914.25 F	12-08-00	20,831.21 F
2-03-00	3,536.71	5-09-00	9,138.47 F	9-03-00	15,055.13 F	12-09-00	20,972.09 F
2-04-00	3,677.60	5-10-00	9,279.34 F	9-04-00	15,196.01 F	12-10-00	21,112.97 F
2-05-00	3,818.48	5-11-00	9,420.21 F	9-05-00	15,336.89 F	12-11-00	21,253.85 F
2-06-00	3,959.36	6-00-00	9,561.07 F	9-06-00	15,477.77 F	13-00-00	21,394.73 F
2-07-00	4,100.24	6-01-00	9,701.94 F	9-07-00	15,618.65 F	13-01-00	21,535.61 F
2-08-00	4,241.12	6-02-00	9,842.81 F	9-08-00	15,759.53 F	13-02-00	21,676.49 F
2-09-00	4,382.00	6-03-00	9,983.68 F	9-09-00	15,900.41 F	13-03-00	21,817.37 F
2-10-00	4,522.88	6-04-00	10,124.54 F	9-10-00	16,041.29 F	13-04-00	21,958.25 F
2-11-00	4,663.75	6-05-00	10,265.41 F	9-11-00	16,182.17 F	13-05-00	22,099.13 F
3-00-00	4,804.61	6-06-00	10,406.28 F	10-00-00	16,323.05 F	13-06-00	22,240.01 F
3-01-00	4,945.48	6-07-00	10,547.14 F	10-01-00	16,463.93 F	13-07-00	22,380.89 F
3-02-00	5,086.35	6-08-00	10,688.01 F	10-02-00	16,604.81 F	13-08-00	22,521.77 F
3-03-00	5,227.22	6-09-00	10,828.88 F	10-03-00	16,745.69 F	13-09-00	22,662.65 F
3-04-00	5,368.08	6-10-00	10,969.75 F	10-04-00	16,886.57 F	13-10-00	22,803.53 F
3-05-00	5,508.95	6-11-00	11,110.61 F	10-05-00	17,027.45 F	13-11-00	22,944.41 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 **080-001** Tank Type **F** Roof Weight **88,084** API **45.30** Gravity Correction **1.78**  
 Strapped By: HMT 2/25/2015 Floating Height **4-06-00**

<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	23,085.29 F	17-06-00	29,002.51 F	21-00-00	34,920.01 F	24-06-00	40,838.16 F
14-01-00	23,226.17 F	17-07-00	29,143.41 F	21-01-00	35,060.90 F	24-07-00	40,979.13 F
14-02-00	23,367.05 F	17-08-00	29,284.30 F	21-02-00	35,201.80 F	24-08-00	41,120.10 F
14-03-00	23,507.93 F	17-09-00	29,425.19 F	21-03-00	35,342.69 F	24-09-00	41,261.06 F
14-04-00	23,648.81 F	17-10-00	29,566.09 F	21-04-00	35,483.58 F	24-10-00	41,402.03 F
14-05-00	23,789.69 F	17-11-00	29,706.98 F	21-05-00	35,624.48 F	24-11-00	41,542.99 F
14-06-00	23,930.57 F	18-00-00	29,847.87 F	21-06-00	35,765.37 F	25-00-00	41,683.96 F
14-07-00	24,071.45 F	18-01-00	29,988.76 F	21-07-00	35,906.26 F	25-01-00	41,824.92 F
14-08-00	24,212.33 F	18-02-00	30,129.66 F	21-08-00	36,047.15 F	25-02-00	41,965.89 F
14-09-00	24,353.21 F	18-03-00	30,270.55 F	21-09-00	36,188.05 F	25-03-00	42,106.85 F
14-10-00	24,494.09 F	18-04-00	30,411.44 F	21-10-00	36,328.94 F	25-04-00	42,247.82 F
14-11-00	24,634.97 F	18-05-00	30,552.33 F	21-11-00	36,469.83 F	25-05-00	42,388.79 F
15-00-00	24,775.85 F	18-06-00	30,693.23 F	22-00-00	36,610.73 F	25-06-00	42,529.75 F
15-01-00	24,916.73 F	18-07-00	30,834.12 F	22-01-00	36,751.62 F	25-07-00	42,670.72 F
15-02-00	25,057.61 F	18-08-00	30,975.01 F	22-02-00	36,892.51 F	25-08-00	42,811.68 F
15-03-00	25,198.49 F	18-09-00	31,115.91 F	22-03-00	37,033.40 F	25-09-00	42,952.65 F
15-04-00	25,339.37 F	18-10-00	31,256.80 F	22-04-00	37,174.30 F	25-10-00	43,093.61 F
15-05-00	25,480.25 F	18-11-00	31,397.69 F	22-05-00	37,315.19 F	25-11-00	43,234.58 F
15-06-00	25,621.13 F	19-00-00	31,538.58 F	22-06-00	37,456.08 F	26-00-00	43,375.55 F
15-07-00	25,762.01 F	19-01-00	31,679.48 F	22-07-00	37,596.97 F	26-01-00	43,516.51 F
15-08-00	25,902.89 F	19-02-00	31,820.37 F	22-08-00	37,737.87 F	26-02-00	43,657.48 F
15-09-00	26,043.77 F	19-03-00	31,961.26 F	22-09-00	37,878.76 F	26-03-00	43,798.44 F
15-10-00	26,184.66 F	19-04-00	32,102.16 F	22-10-00	38,019.65 F	26-04-00	43,939.41 F
15-11-00	26,325.55 F	19-05-00	32,243.05 F	22-11-00	38,160.55 F	26-05-00	44,080.37 F
16-00-00	26,466.44 F	19-06-00	32,383.94 F	23-00-00	38,301.44 F	26-06-00	44,221.34 F
16-01-00	26,607.34 F	19-07-00	32,524.83 F	23-01-00	38,442.33 F	26-07-00	44,362.30 F
16-02-00	26,748.23 F	19-08-00	32,665.73 F	23-02-00	38,583.22 F	26-08-00	44,503.27 F
16-03-00	26,889.12 F	19-09-00	32,806.62 F	23-03-00	38,724.12 F	26-09-00	44,644.24 F
16-04-00	27,030.01 F	19-10-00	32,947.51 F	23-04-00	38,865.01 F	26-10-00	44,785.20 F
16-05-00	27,170.91 F	19-11-00	33,088.41 F	23-05-00	39,005.90 F	26-11-00	44,926.17 F
16-06-00	27,311.80 F	20-00-00	33,229.30 F	23-06-00	39,146.80 F	27-00-00	45,067.13 F
16-07-00	27,452.69 F	20-01-00	33,370.19 F	23-07-00	39,287.69 F	27-01-00	45,208.10 F
16-08-00	27,593.59 F	20-02-00	33,511.08 F	23-08-00	39,428.58 F	27-02-00	45,349.06 F
16-09-00	27,734.48 F	20-03-00	33,651.98 F	23-09-00	39,569.47 F	27-03-00	45,490.03 F
16-10-00	27,875.37 F	20-04-00	33,792.87 F	23-10-00	39,710.44 F	27-04-00	45,630.99 F
16-11-00	28,016.26 F	20-05-00	33,933.76 F	23-11-00	39,851.41 F	27-05-00	45,771.96 F
17-00-00	28,157.16 F	20-06-00	34,074.65 F	24-00-00	39,992.37 F	27-06-00	45,912.93 F
17-01-00	28,298.05 F	20-07-00	34,215.55 F	24-01-00	40,133.34 F	27-07-00	46,053.89 F
17-02-00	28,438.94 F	20-08-00	34,356.44 F	24-02-00	40,274.30 F	27-08-00	46,194.86 F
17-03-00	28,579.84 F	20-09-00	34,497.33 F	24-03-00	40,415.27 F	27-09-00	46,335.82 F
17-04-00	28,720.73 F	20-10-00	34,638.23 F	24-04-00	40,556.23 F	27-10-00	46,476.79 F
17-05-00	28,861.62 F	20-11-00	34,779.12 F	24-05-00	40,697.20 F	27-11-00	46,617.75 F

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Tank ID **080-001** Tank Type **F** Roof Weight **88,084** API **45.30** Gravity Correction **1.78**  
 Strapped By: HMT 2/25/2015 Floating Height **4-06-00**

<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	46,758.72 F	31-06-00	52,679.27 F	35-00-00	58,599.61 F	38-06-00	64,519.93 F
28-01-00	46,899.69 F	31-07-00	52,820.24 F	35-01-00	58,740.57 F	38-07-00	64,660.89 F
28-02-00	47,040.65 F	31-08-00	52,961.21 F	35-02-00	58,881.53 F	38-08-00	64,801.85 F
28-03-00	47,181.62 F	31-09-00	53,102.17 F	35-03-00	59,022.49 F	38-09-00	64,942.81 F
28-04-00	47,322.58 F	31-10-00	53,243.13 F	35-04-00	59,163.45 F	38-10-00	65,083.77 F
28-05-00	47,463.55 F	31-11-00	53,384.09 F	35-05-00	59,304.41 F	38-11-00	65,224.73 F
28-06-00	47,604.51 F	32-00-00	53,525.05 F	35-06-00	59,445.37 F	39-00-00	65,365.69 F
28-07-00	47,745.48 F	32-01-00	53,666.01 F	35-07-00	59,586.33 F	39-01-00	65,506.65 F
28-08-00	47,886.44 F	32-02-00	53,806.97 F	35-08-00	59,727.29 F	39-02-00	65,647.61 F
28-09-00	48,027.41 F	32-03-00	53,947.93 F	35-09-00	59,868.25 F	39-03-00	65,788.57 F
28-10-00	48,168.38 F	32-04-00	54,088.89 F	35-10-00	60,009.21 F	39-04-00	65,929.53 F
28-11-00	48,309.34 F	32-05-00	54,229.85 F	35-11-00	60,150.17 F	39-05-00	66,070.49 F
29-00-00	48,450.31 F	32-06-00	54,370.81 F	36-00-00	60,291.13 F	39-06-00	66,211.45 F
29-01-00	48,591.27 F	32-07-00	54,511.77 F	36-01-00	60,432.09 F	39-07-00	66,352.41 F
29-02-00	48,732.24 F	32-08-00	54,652.73 F	36-02-00	60,573.05 F	39-08-00	66,493.37 F
29-03-00	48,873.20 F	32-09-00	54,793.69 F	36-03-00	60,714.01 F	39-09-00	66,634.33 F
29-04-00	49,014.17 F	32-10-00	54,934.65 F	36-04-00	60,854.97 F	39-10-00	66,775.31 F
29-05-00	49,155.13 F	32-11-00	55,075.61 F	36-05-00	60,995.93 F	39-11-00	66,916.29 F
29-06-00	49,296.10 F	33-00-00	55,216.57 F	36-06-00	61,136.89 F	40-00-00	67,057.26 F
29-07-00	49,437.07 F	33-01-00	55,357.53 F	36-07-00	61,277.85 F	40-01-00	67,198.24 F
29-08-00	49,578.03 F	33-02-00	55,498.49 F	36-08-00	61,418.81 F	40-02-00	67,339.22 F
29-09-00	49,719.00 F	33-03-00	55,639.45 F	36-09-00	61,559.77 F	40-03-00	67,480.20 F
29-10-00	49,859.96 F	33-04-00	55,780.41 F	36-10-00	61,700.73 F	40-04-00	67,621.17 F
29-11-00	50,000.93 F	33-05-00	55,921.37 F	36-11-00	61,841.69 F	40-05-00	67,762.15 F
30-00-00	50,141.89 F	33-06-00	56,062.33 F	37-00-00	61,982.65 F	40-06-00	67,903.13 F
30-01-00	50,282.86 F	33-07-00	56,203.29 F	37-01-00	62,123.61 F	40-07-00	68,044.11 F
30-02-00	50,423.83 F	33-08-00	56,344.25 F	37-02-00	62,264.57 F	40-08-00	68,185.09 F
30-03-00	50,564.79 F	33-09-00	56,485.21 F	37-03-00	62,405.53 F	40-09-00	68,326.06 F
30-04-00	50,705.76 F	33-10-00	56,626.17 F	37-04-00	62,546.49 F	40-10-00	68,467.04 F
30-05-00	50,846.72 F	33-11-00	56,767.13 F	37-05-00	62,687.45 F	40-11-00	68,608.02 F
30-06-00	50,987.69 F	34-00-00	56,908.09 F	37-06-00	62,828.41 F	41-00-00	68,749.00 F
30-07-00	51,128.65 F	34-01-00	57,049.05 F	37-07-00	62,969.37 F	41-01-00	68,889.97 F
30-08-00	51,269.62 F	34-02-00	57,190.01 F	37-08-00	63,110.33 F	41-02-00	69,030.95 F
30-09-00	51,410.58 F	34-03-00	57,330.97 F	37-09-00	63,251.29 F	41-03-00	69,171.93 F
30-10-00	51,551.55 F	34-04-00	57,471.93 F	37-10-00	63,392.25 F	41-04-00	69,312.91 F
30-11-00	51,692.52 F	34-05-00	57,612.89 F	37-11-00	63,533.21 F	41-05-00	69,453.88 F
31-00-00	51,833.48 F	34-06-00	57,753.85 F	38-00-00	63,674.17 F	41-06-00	69,594.86 F
31-01-00	51,974.45 F	34-07-00	57,894.81 F	38-01-00	63,815.13 F	41-07-00	69,735.84 F
31-02-00	52,115.41 F	34-08-00	58,035.77 F	38-02-00	63,956.09 F	41-08-00	69,876.82 F
31-03-00	52,256.38 F	34-09-00	58,176.73 F	38-03-00	64,097.05 F	41-09-00	70,017.79 F
31-04-00	52,397.34 F	34-10-00	58,317.69 F	38-04-00	64,238.01 F	41-10-00	70,158.77 F
31-05-00	52,538.31 F	34-11-00	58,458.65 F	38-05-00	64,378.97 F	41-11-00	70,299.75 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 **080-001** Tank Type **F** Roof Weight **88,084** API **45.30** Gravity Correction **1.78**  
 Strapped By: HMT 2/25/2015 Floating Height **4-06-00**

<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	70,440.73 F	45-06-00	76,361.79 F				
42-01-00	70,581.70 F	45-07-00	76,502.76 F				
42-02-00	70,722.68 F	45-08-00	76,643.74 F				
42-03-00	70,863.66 F	45-09-00	76,784.72 F				
42-04-00	71,004.64 F	45-10-00	76,925.70 F				
42-05-00	71,145.61 F	45-11-00	77,066.67 F				
42-06-00	71,286.59 F	46-00-00	77,207.65 F				
42-07-00	71,427.57 F	46-01-00	77,348.63 F				
42-08-00	71,568.55 F	46-02-00	77,489.61 F				
42-09-00	71,709.53 F	46-03-00	77,630.58 F				
42-10-00	71,850.50 F	46-04-00	77,771.56 F				
42-11-00	71,991.48 F	46-05-00	77,912.54 F				
43-00-00	72,132.46 F	46-06-00	78,053.52 F				
43-01-00	72,273.44 F	46-07-00	78,194.49 F				
43-02-00	72,414.41 F	46-08-00	78,335.47 F				
43-03-00	72,555.39 F	46-09-00	78,476.45 F				
43-04-00	72,696.37 F	46-10-00	78,617.43 F				
43-05-00	72,837.35 F	46-11-00	78,758.41 F				
43-06-00	72,978.32 F	47-00-00	78,899.38 F				
43-07-00	73,119.30 F	47-01-00	79,040.36 F				
43-08-00	73,260.28 F	47-02-00	79,181.34 F				
43-09-00	73,401.26 F	47-03-00	79,322.32 F				
43-10-00	73,542.23 F	47-04-00	79,463.29 F				
43-11-00	73,683.21 F	47-05-00	79,604.27 F				
44-00-00	73,824.19 F	47-06-00	79,745.25 F				
44-01-00	73,965.17 F	47-07-00	79,886.23 F				
44-02-00	74,106.14 F	47-08-00	80,027.20 F				
44-03-00	74,247.12 F	47-09-00	80,168.18 F				
44-04-00	74,388.10 F	47-10-00	80,309.16 F				
44-05-00	74,529.08 F	47-11-00	80,450.14 F				
44-06-00	74,670.05 F	48-00-00	80,591.11 F				
44-07-00	74,811.03 F						
44-08-00	74,952.01 F						
44-09-00	75,092.99 F						
44-10-00	75,233.97 F						
44-11-00	75,374.94 F						
45-00-00	75,515.92 F						
45-01-00	75,656.90 F						
45-02-00	75,797.88 F						
45-03-00	75,938.85 F						
45-04-00	76,079.83 F						
45-05-00	76,220.81 F						

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

**BOLD DENOTES ROOF CRITICAL ZONE**