

Tank Strapping Detail Report

Tank ID **100-027** Tank Type **F** Roof Weight **132,380** API **47.20** Gravity Correction **2.68**  
 Strapped By: **HMT** 4/24/2013 Floating Height **4-11-00**

<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	5.17	3-06-00	6,083.55	7-00-00	13,011.86 F	10-06-00	20,420.79 F
0-01-00	15.40	3-07-00	6,259.93	7-01-00	13,188.20 F	10-07-00	20,597.22 F
0-02-00	31.77	3-08-00	6,436.31	7-02-00	13,364.54 F	10-08-00	20,773.64 F
0-03-00	59.13	3-09-00	6,612.69	7-03-00	13,540.88 F	10-09-00	20,950.07 F
0-04-00	95.74	3-10-00	6,789.07	7-04-00	13,717.22 F	10-10-00	21,126.50 F
0-05-00	143.55	3-11-00	6,965.45	7-05-00	13,893.56 F	10-11-00	21,302.92 F
0-06-00	198.42	4-00-00	7,141.79	7-06-00	14,069.90 F	11-00-00	21,479.35 F
0-07-00	262.27	4-01-00	7,318.13	7-07-00	14,246.24 F	11-01-00	21,655.78 F
0-08-00	340.73	4-02-00	7,494.47	7-08-00	14,422.58 F	11-02-00	21,832.20 F
0-09-00	432.65	4-03-00	7,670.81	7-09-00	14,598.92 F	11-03-00	22,008.63 F
0-10-00	538.15	4-04-00	7,847.15	7-10-00	14,775.25 F	11-04-00	22,185.05 F
0-11-00	663.61	4-05-00	8,023.49	7-11-00	14,951.59 F	11-05-00	22,361.48 F
1-00-00	811.57	4-06-00	8,199.83	8-00-00	15,128.00 F	11-06-00	22,537.91 F
1-01-00	976.88	4-07-00	8,376.17	8-01-00	15,304.43 F	11-07-00	22,714.33 F
1-02-00	1,150.64	4-08-00	8,552.51	8-02-00	15,480.85 F	11-08-00	22,890.76 F
1-03-00	1,326.96	4-09-00	8,728.84	8-03-00	15,657.28 F	11-09-00	23,067.19 F
1-04-00	1,503.35	4-10-00	8,905.18	8-04-00	15,833.70 F	11-10-00	23,243.61 F
1-05-00	1,679.73	<b>4-11-00</b>	9,081.52 F	8-05-00	16,010.13 F	11-11-00	23,420.04 F
1-06-00	1,856.12	<b>5-00-00</b>	9,218.02 F	8-06-00	16,186.56 F	12-00-00	23,596.47 F
1-07-00	2,032.51	<b>5-01-00</b>	9,234.98 F	8-07-00	16,362.98 F	12-01-00	23,772.89 F
1-08-00	2,208.91	<b>5-02-00</b>	9,251.94 F	8-08-00	16,539.41 F	12-02-00	23,949.32 F
1-09-00	2,385.30	<b>5-03-00</b>	9,308.74 F	8-09-00	16,715.84 F	12-03-00	24,125.75 F
1-10-00	2,561.69	5-04-00	9,485.08 F	8-10-00	16,892.26 F	12-04-00	24,302.17 F
1-11-00	2,735.21	5-05-00	9,661.42 F	8-11-00	17,068.69 F	12-05-00	24,478.60 F
2-00-00	2,908.72	5-06-00	9,837.76 F	9-00-00	17,245.12 F	12-06-00	24,655.02 F
2-01-00	3,085.11	5-07-00	10,014.10 F	9-01-00	17,421.54 F	12-07-00	24,831.45 F
2-02-00	3,261.49	5-08-00	10,190.44 F	9-02-00	17,597.97 F	12-08-00	25,007.88 F
2-03-00	3,437.86	5-09-00	10,366.77 F	9-03-00	17,774.39 F	12-09-00	25,184.30 F
2-04-00	3,614.24	5-10-00	10,543.11 F	9-04-00	17,950.82 F	12-10-00	25,360.73 F
2-05-00	3,790.61	5-11-00	10,719.45 F	9-05-00	18,127.25 F	12-11-00	25,537.16 F
2-06-00	3,966.99	6-00-00	10,895.79 F	9-06-00	18,303.67 F	13-00-00	25,713.58 F
2-07-00	4,143.37	6-01-00	11,072.13 F	9-07-00	18,480.10 F	13-01-00	25,890.01 F
2-08-00	4,319.75	6-02-00	11,248.47 F	9-08-00	18,656.53 F	13-02-00	26,066.44 F
2-09-00	4,496.13	6-03-00	11,424.81 F	9-09-00	18,832.95 F	13-03-00	26,242.86 F
2-10-00	4,672.51	6-04-00	11,601.15 F	9-10-00	19,009.38 F	13-04-00	26,419.29 F
2-11-00	4,848.89	6-05-00	11,777.49 F	9-11-00	19,185.81 F	13-05-00	26,595.71 F
3-00-00	5,025.27	6-06-00	11,953.83 F	10-00-00	19,362.23 F	13-06-00	26,772.14 F
3-01-00	5,201.65	6-07-00	12,130.17 F	10-01-00	19,538.66 F	13-07-00	26,948.57 F
3-02-00	5,378.03	6-08-00	12,306.51 F	10-02-00	19,715.09 F	13-08-00	27,124.99 F
3-03-00	5,554.41	6-09-00	12,482.85 F	10-03-00	19,891.51 F	13-09-00	27,301.42 F
3-04-00	5,730.79	6-10-00	12,659.18 F	10-04-00	20,067.94 F	13-10-00	27,477.85 F
3-05-00	5,907.17	6-11-00	12,835.52 F	10-05-00	20,244.36 F	13-11-00	27,654.27 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 **100-027** Tank Type **F** Roof Weight **132,380** API **47.20** Gravity Correction **2.68**  
 Strapped By: HMT 4/24/2013 Floating Height **4-11-00**

<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	27,830.70 F	17-06-00	35,239.80 F	21-00-00	42,647.89 F	24-06-00	50,056.62 F
14-01-00	28,007.13 F	17-07-00	35,416.18 F	21-01-00	42,824.28 F	24-07-00	50,233.10 F
14-02-00	28,183.55 F	17-08-00	35,592.56 F	21-02-00	43,000.66 F	24-08-00	50,409.58 F
14-03-00	28,359.98 F	17-09-00	35,768.95 F	21-03-00	43,177.04 F	24-09-00	50,586.06 F
14-04-00	28,536.41 F	17-10-00	35,945.33 F	21-04-00	43,353.43 F	24-10-00	50,762.53 F
14-05-00	28,712.83 F	17-11-00	36,121.71 F	21-05-00	43,529.81 F	24-11-00	50,939.01 F
14-06-00	28,889.26 F	18-00-00	36,298.10 F	21-06-00	43,706.19 F	25-00-00	51,115.49 F
14-07-00	29,065.68 F	18-01-00	36,474.48 F	21-07-00	43,882.58 F	25-01-00	51,291.97 F
14-08-00	29,242.11 F	18-02-00	36,650.86 F	21-08-00	44,058.96 F	25-02-00	51,468.45 F
14-09-00	29,418.54 F	18-03-00	36,827.25 F	21-09-00	44,235.34 F	25-03-00	51,644.92 F
14-10-00	29,594.96 F	18-04-00	37,003.63 F	21-10-00	44,411.72 F	25-04-00	51,821.40 F
14-11-00	29,771.39 F	18-05-00	37,180.01 F	21-11-00	44,588.11 F	25-05-00	51,997.88 F
15-00-00	29,947.82 F	18-06-00	37,356.40 F	22-00-00	44,764.49 F	25-06-00	52,174.36 F
15-01-00	30,124.24 F	18-07-00	37,532.78 F	22-01-00	44,940.87 F	25-07-00	52,350.83 F
15-02-00	30,300.67 F	18-08-00	37,709.16 F	22-02-00	45,117.26 F	25-08-00	52,527.31 F
15-03-00	30,477.10 F	18-09-00	37,885.55 F	22-03-00	45,293.64 F	25-09-00	52,703.79 F
15-04-00	30,653.52 F	18-10-00	38,061.93 F	22-04-00	45,470.02 F	25-10-00	52,880.27 F
15-05-00	30,829.95 F	18-11-00	38,238.31 F	22-05-00	45,646.41 F	25-11-00	53,056.74 F
15-06-00	31,006.37 F	19-00-00	38,414.70 F	22-06-00	45,822.79 F	26-00-00	53,233.22 F
15-07-00	31,182.80 F	19-01-00	38,591.08 F	22-07-00	45,999.17 F	26-01-00	53,409.70 F
15-08-00	31,359.23 F	19-02-00	38,767.46 F	22-08-00	46,175.56 F	26-02-00	53,586.18 F
15-09-00	31,535.65 F	19-03-00	38,943.85 F	22-09-00	46,351.94 F	26-03-00	53,762.65 F
15-10-00	31,712.08 F	19-04-00	39,120.23 F	22-10-00	46,528.32 F	26-04-00	53,939.13 F
15-11-00	31,888.51 F	19-05-00	39,296.61 F	22-11-00	46,704.71 F	26-05-00	54,115.61 F
16-00-00	32,064.90 F	19-06-00	39,473.00 F	23-00-00	46,881.09 F	26-06-00	54,292.09 F
16-01-00	32,241.28 F	19-07-00	39,649.38 F	23-01-00	47,057.47 F	26-07-00	54,468.56 F
16-02-00	32,417.67 F	19-08-00	39,825.76 F	23-02-00	47,233.86 F	26-08-00	54,645.04 F
16-03-00	32,594.05 F	19-09-00	40,002.14 F	23-03-00	47,410.24 F	26-09-00	54,821.52 F
16-04-00	32,770.43 F	19-10-00	40,178.53 F	23-04-00	47,586.62 F	26-10-00	54,998.00 F
16-05-00	32,946.82 F	19-11-00	40,354.91 F	23-05-00	47,763.01 F	26-11-00	55,174.47 F
16-06-00	33,123.20 F	20-00-00	40,531.29 F	23-06-00	47,939.39 F	27-00-00	55,350.95 F
16-07-00	33,299.58 F	20-01-00	40,707.68 F	23-07-00	48,115.77 F	27-01-00	55,527.43 F
16-08-00	33,475.97 F	20-02-00	40,884.06 F	23-08-00	48,292.16 F	27-02-00	55,703.91 F
16-09-00	33,652.35 F	20-03-00	41,060.44 F	23-09-00	48,468.54 F	27-03-00	55,880.39 F
16-10-00	33,828.73 F	20-04-00	41,236.83 F	23-10-00	48,644.92 F	27-04-00	56,056.86 F
16-11-00	34,005.12 F	20-05-00	41,413.21 F	23-11-00	48,821.30 F	27-05-00	56,233.34 F
17-00-00	34,181.50 F	20-06-00	41,589.59 F	24-00-00	48,997.68 F	27-06-00	56,409.82 F
17-01-00	34,357.88 F	20-07-00	41,765.98 F	24-01-00	49,174.06 F	27-07-00	56,586.30 F
17-02-00	34,534.27 F	20-08-00	41,942.36 F	24-02-00	49,350.44 F	27-08-00	56,762.77 F
17-03-00	34,710.65 F	20-09-00	42,118.74 F	24-03-00	49,526.82 F	27-09-00	56,939.25 F
17-04-00	34,887.03 F	20-10-00	42,295.13 F	24-04-00	49,703.20 F	27-10-00	57,115.73 F
17-05-00	35,063.42 F	20-11-00	42,471.51 F	24-05-00	49,879.58 F	27-11-00	57,292.21 F

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Tank ID **100-027** Tank Type **F** Roof Weight **132,380** API **47.20** Gravity Correction **2.68**  
 Strapped By: HMT 4/24/2013 Floating Height **4-11-00**

<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	57,468.68 F	31-06-00	64,880.74 F	35-00-00	72,291.62 F	38-06-00	79,699.78 F
28-01-00	57,645.16 F	31-07-00	65,057.22 F	35-01-00	72,468.00 F	38-07-00	79,876.17 F
28-02-00	57,821.64 F	31-08-00	65,233.70 F	35-02-00	72,644.39 F	38-08-00	80,052.55 F
28-03-00	57,998.12 F	31-09-00	65,410.18 F	35-03-00	72,820.77 F	38-09-00	80,228.93 F
28-04-00	58,174.59 F	31-10-00	65,586.65 F	35-04-00	72,997.16 F	38-10-00	80,405.32 F
28-05-00	58,351.07 F	31-11-00	65,763.13 F	35-05-00	73,173.54 F	38-11-00	80,581.70 F
28-06-00	58,527.55 F	32-00-00	65,939.61 F	35-06-00	73,349.93 F	39-00-00	80,758.09 F
28-07-00	58,704.03 F	32-01-00	66,116.09 F	35-07-00	73,526.31 F	39-01-00	80,934.47 F
28-08-00	58,880.50 F	32-02-00	66,292.56 F	35-08-00	73,702.70 F	39-02-00	81,110.86 F
28-09-00	59,056.98 F	32-03-00	66,469.04 F	35-09-00	73,879.08 F	39-03-00	81,287.24 F
28-10-00	59,233.46 F	32-04-00	66,645.52 F	35-10-00	74,055.47 F	39-04-00	81,463.63 F
28-11-00	59,409.94 F	32-05-00	66,822.00 F	35-11-00	74,231.85 F	39-05-00	81,640.01 F
29-00-00	59,586.41 F	32-06-00	66,998.47 F	36-00-00	74,408.24 F	39-06-00	81,816.40 F
29-01-00	59,762.89 F	32-07-00	67,174.95 F	36-01-00	74,584.62 F	39-07-00	81,992.78 F
29-02-00	59,939.37 F	32-08-00	67,351.43 F	36-02-00	74,761.01 F	39-08-00	82,169.17 F
29-03-00	60,115.85 F	32-09-00	67,527.91 F	36-03-00	74,937.39 F	39-09-00	82,345.55 F
29-04-00	60,292.33 F	32-10-00	67,704.38 F	36-04-00	75,113.78 F	39-10-00	82,521.94 F
29-05-00	60,468.80 F	32-11-00	67,880.86 F	36-05-00	75,290.16 F	39-11-00	82,698.32 F
29-06-00	60,645.28 F	33-00-00	68,057.34 F	36-06-00	75,466.55 F	40-00-00	82,874.71 F
29-07-00	60,821.76 F	33-01-00	68,233.82 F	36-07-00	75,642.93 F	40-01-00	83,051.09 F
29-08-00	60,998.24 F	33-02-00	68,410.29 F	36-08-00	75,819.31 F	40-02-00	83,227.48 F
29-09-00	61,174.71 F	33-03-00	68,586.77 F	36-09-00	75,995.70 F	40-03-00	83,403.86 F
29-10-00	61,351.19 F	33-04-00	68,763.25 F	36-10-00	76,172.08 F	40-04-00	83,580.25 F
29-11-00	61,527.67 F	33-05-00	68,939.73 F	36-11-00	76,348.47 F	40-05-00	83,756.63 F
30-00-00	61,704.15 F	33-06-00	69,116.21 F	37-00-00	76,524.85 F	40-06-00	83,933.02 F
30-01-00	61,880.62 F	33-07-00	69,292.68 F	37-01-00	76,701.24 F	40-07-00	84,109.40 F
30-02-00	62,057.10 F	33-08-00	69,469.16 F	37-02-00	76,877.62 F	40-08-00	84,285.79 F
30-03-00	62,233.58 F	33-09-00	69,645.64 F	37-03-00	77,054.01 F	40-09-00	84,462.17 F
30-04-00	62,410.06 F	33-10-00	69,822.12 F	37-04-00	77,230.39 F	40-10-00	84,638.55 F
30-05-00	62,586.53 F	33-11-00	69,998.59 F	37-05-00	77,406.78 F	40-11-00	84,814.94 F
30-06-00	62,763.01 F	34-00-00	70,175.00 F	37-06-00	77,583.16 F	41-00-00	84,991.32 F
30-07-00	62,939.49 F	34-01-00	70,351.39 F	37-07-00	77,759.55 F	41-01-00	85,167.71 F
30-08-00	63,115.97 F	34-02-00	70,527.77 F	37-08-00	77,935.93 F	41-02-00	85,344.09 F
30-09-00	63,292.44 F	34-03-00	70,704.16 F	37-09-00	78,112.32 F	41-03-00	85,520.48 F
30-10-00	63,468.92 F	34-04-00	70,880.54 F	37-10-00	78,288.70 F	41-04-00	85,696.86 F
30-11-00	63,645.40 F	34-05-00	71,056.93 F	37-11-00	78,465.09 F	41-05-00	85,873.25 F
31-00-00	63,821.88 F	34-06-00	71,233.31 F	38-00-00	78,641.47 F	41-06-00	86,049.63 F
31-01-00	63,998.35 F	34-07-00	71,409.69 F	38-01-00	78,817.86 F	41-07-00	86,226.02 F
31-02-00	64,174.83 F	34-08-00	71,586.08 F	38-02-00	78,994.24 F	41-08-00	86,402.40 F
31-03-00	64,351.31 F	34-09-00	71,762.46 F	38-03-00	79,170.63 F	41-09-00	86,578.79 F
31-04-00	64,527.79 F	34-10-00	71,938.85 F	38-04-00	79,347.01 F	41-10-00	86,755.17 F
31-05-00	64,704.27 F	34-11-00	72,115.23 F	38-05-00	79,523.40 F	41-11-00	86,931.56 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 **100-027** Tank Type **F** Roof Weight **132,380** API **47.20** Gravity Correction **2.68**  
 Strapped By: HMT 4/24/2013 Floating Height **4-11-00**

<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	87,107.94 F	45-06-00	94,519.49 F	49-00-00	101,935.25 F	52-06-00	109,351.00 F
42-01-00	87,284.33 F	45-07-00	94,696.06 F	49-01-00	102,111.81 F	52-07-00	109,527.57 F
42-02-00	87,460.71 F	45-08-00	94,872.62 F	49-02-00	102,288.38 F	52-08-00	109,704.14 F
42-03-00	87,637.10 F	45-09-00	95,049.19 F	49-03-00	102,464.95 F	52-09-00	109,880.70 F
42-04-00	87,813.48 F	45-10-00	95,225.76 F	49-04-00	102,641.51 F	52-10-00	110,057.27 F
42-05-00	87,989.87 F	45-11-00	95,402.32 F	49-05-00	102,818.08 F	52-11-00	110,233.83 F
42-06-00	88,166.25 F	46-00-00	95,578.89 F	49-06-00	102,994.64 F	53-00-00	110,410.40 F
42-07-00	88,342.64 F	46-01-00	95,755.45 F	49-07-00	103,171.21 F	53-01-00	110,586.96 F
42-08-00	88,519.02 F	46-02-00	95,932.02 F	49-08-00	103,347.77 F	53-02-00	110,763.53 F
42-09-00	88,695.41 F	46-03-00	96,108.58 F	49-09-00	103,524.34 F	53-03-00	110,940.09 F
42-10-00	88,871.79 F	46-04-00	96,285.15 F	49-10-00	103,700.90 F	53-04-00	111,116.66 F
42-11-00	89,048.17 F	46-05-00	96,461.72 F	49-11-00	103,877.47 F	53-05-00	111,293.23 F
43-00-00	89,224.56 F	46-06-00	96,638.28 F	50-00-00	104,054.04 F	53-06-00	111,469.79 F
43-01-00	89,400.94 F	46-07-00	96,814.85 F	50-01-00	104,230.60 F	53-07-00	111,646.36 F
43-02-00	89,577.33 F	46-08-00	96,991.41 F	50-02-00	104,407.17 F	53-08-00	111,822.92 F
43-03-00	89,753.71 F	46-09-00	97,167.98 F	50-03-00	104,583.73 F	53-09-00	111,999.49 F
43-04-00	89,930.10 F	46-10-00	97,344.54 F	50-04-00	104,760.30 F		
43-05-00	90,106.48 F	46-11-00	97,521.11 F	50-05-00	104,936.86 F		
43-06-00	90,282.87 F	47-00-00	97,697.67 F	50-06-00	105,113.43 F		
43-07-00	90,459.25 F	47-01-00	97,874.24 F	50-07-00	105,290.00 F		
43-08-00	90,635.64 F	47-02-00	98,050.81 F	50-08-00	105,466.56 F		
43-09-00	90,812.02 F	47-03-00	98,227.37 F	50-09-00	105,643.13 F		
43-10-00	90,988.41 F	47-04-00	98,403.94 F	50-10-00	105,819.69 F		
43-11-00	91,164.79 F	47-05-00	98,580.50 F	50-11-00	105,996.26 F		
44-00-00	91,341.31 F	47-06-00	98,757.07 F	51-00-00	106,172.82 F		
44-01-00	91,517.88 F	47-07-00	98,933.63 F	51-01-00	106,349.39 F		
44-02-00	91,694.44 F	47-08-00	99,110.20 F	51-02-00	106,525.95 F		
44-03-00	91,871.01 F	47-09-00	99,286.76 F	51-03-00	106,702.52 F		
44-04-00	92,047.58 F	47-10-00	99,463.33 F	51-04-00	106,879.09 F		
44-05-00	92,224.14 F	47-11-00	99,639.90 F	51-05-00	107,055.65 F		
44-06-00	92,400.71 F	48-00-00	99,816.46 F	51-06-00	107,232.22 F		
44-07-00	92,577.27 F	48-01-00	99,993.03 F	51-07-00	107,408.78 F		
44-08-00	92,753.84 F	48-02-00	100,169.59 F	51-08-00	107,585.35 F		
44-09-00	92,930.40 F	48-03-00	100,346.16 F	51-09-00	107,761.91 F		
44-10-00	93,106.97 F	48-04-00	100,522.72 F	51-10-00	107,938.48 F		
44-11-00	93,283.53 F	48-05-00	100,699.29 F	51-11-00	108,115.04 F		
45-00-00	93,460.10 F	48-06-00	100,875.86 F	52-00-00	108,291.61 F		
45-01-00	93,636.67 F	48-07-00	101,052.42 F	52-01-00	108,468.18 F		
45-02-00	93,813.23 F	48-08-00	101,228.99 F	52-02-00	108,644.74 F		
45-03-00	93,989.80 F	48-09-00	101,405.55 F	52-03-00	108,821.31 F		
45-04-00	94,166.36 F	48-10-00	101,582.12 F	52-04-00	108,997.87 F		
45-05-00	94,342.93 F	48-11-00	101,758.68 F	52-05-00	109,174.44 F		

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

**BOLD DENOTES ROOF CRITICAL ZONE**