

Tank Strapping Detail Report

Tank ID **015-002** Tank Type **F** Roof Weight **28,085** API **10.00** Gravity Correction **.57**
 Strapped By: **HMT** 8/30/2011 Floating Height **4-04-00**

<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	2.06	3-06-00	1,030.89	7-00-00	2,044.49 F	10-06-00	3,137.38 F
0-01-00	7.28	3-07-00	1,056.96	7-01-00	2,070.52 F	10-07-00	3,163.35 F
0-02-00	15.87	3-08-00	1,083.04	7-02-00	2,096.55 F	10-08-00	3,189.32 F
0-03-00	27.96	3-09-00	1,109.12	7-03-00	2,122.58 F	10-09-00	3,215.30 F
0-04-00	45.20	3-10-00	1,135.19	7-04-00	2,148.61 F	10-10-00	3,241.27 F
0-05-00	67.23	3-11-00	1,161.27	7-05-00	2,174.65 F	10-11-00	3,267.24 F
0-06-00	92.64	4-00-00	1,187.34	7-06-00	2,200.68 F	11-00-00	3,293.22 F
0-07-00	118.68	4-01-00	1,213.42	7-07-00	2,226.71 F	11-01-00	3,319.19 F
0-08-00	144.71	4-02-00	1,239.50	7-08-00	2,252.74 F	11-02-00	3,345.16 F
0-09-00	170.74	4-03-00	1,265.57	7-09-00	2,278.77 F	11-03-00	3,371.13 F
0-10-00	196.78	4-04-00	1,291.65 F	7-10-00	2,304.81 F	11-04-00	3,397.11 F
0-11-00	222.81	4-05-00	1,305.37 F	7-11-00	2,330.84 F	11-05-00	3,423.08 F
1-00-00	248.84	4-06-00	1,306.74 F	8-00-00	2,356.87 F	11-06-00	3,449.05 F
1-01-00	274.87	4-07-00	1,308.09 F	8-01-00	2,382.90 F	11-07-00	3,475.03 F
1-02-00	300.90	4-08-00	1,315.59 F	8-02-00	2,408.93 F	11-08-00	3,501.00 F
1-03-00	326.94	4-09-00	1,341.62 F	8-03-00	2,434.97 F	11-09-00	3,526.97 F
1-04-00	352.98	4-10-00	1,367.65 F	8-04-00	2,461.00 F	11-10-00	3,552.94 F
1-05-00	379.03	4-11-00	1,393.69 F	8-05-00	2,487.03 F	11-11-00	3,578.92 F
1-06-00	405.07	5-00-00	1,419.72 F	8-06-00	2,513.06 F	12-00-00	3,604.89 F
1-07-00	431.14	5-01-00	1,445.75 F	8-07-00	2,539.09 F	12-01-00	3,630.86 F
1-08-00	457.23	5-02-00	1,471.78 F	8-08-00	2,565.13 F	12-02-00	3,656.83 F
1-09-00	483.31	5-03-00	1,497.81 F	8-09-00	2,591.16 F	12-03-00	3,682.81 F
1-10-00	509.38	5-04-00	1,523.85 F	8-10-00	2,617.19 F	12-04-00	3,708.78 F
1-11-00	535.45	5-05-00	1,549.88 F	8-11-00	2,643.22 F	12-05-00	3,734.75 F
2-00-00	561.53	5-06-00	1,575.91 F	9-00-00	2,669.25 F	12-06-00	3,760.73 F
2-01-00	587.60	5-07-00	1,601.94 F	9-01-00	2,695.29 F	12-07-00	3,786.70 F
2-02-00	613.68	5-08-00	1,627.97 F	9-02-00	2,721.32 F	12-08-00	3,812.67 F
2-03-00	639.75	5-09-00	1,654.01 F	9-03-00	2,747.35 F	12-09-00	3,838.64 F
2-04-00	665.82	5-10-00	1,680.04 F	9-04-00	2,773.38 F	12-10-00	3,864.62 F
2-05-00	691.90	5-11-00	1,706.07 F	9-05-00	2,799.41 F	12-11-00	3,890.59 F
2-06-00	717.98	6-00-00	1,732.10 F	9-06-00	2,825.45 F	13-00-00	3,916.56 F
2-07-00	744.05	6-01-00	1,758.13 F	9-07-00	2,851.48 F	13-01-00	3,942.54 F
2-08-00	770.13	6-02-00	1,784.17 F	9-08-00	2,877.51 F	13-02-00	3,968.51 F
2-09-00	796.20	6-03-00	1,810.20 F	9-09-00	2,903.54 F	13-03-00	3,994.48 F
2-10-00	822.28	6-04-00	1,836.23 F	9-10-00	2,929.57 F	13-04-00	4,020.45 F
2-11-00	848.36	6-05-00	1,862.26 F	9-11-00	2,955.57 F	13-05-00	4,046.43 F
3-00-00	874.43	6-06-00	1,888.29 F	10-00-00	2,981.54 F	13-06-00	4,072.40 F
3-01-00	900.51	6-07-00	1,914.33 F	10-01-00	3,007.51 F	13-07-00	4,098.37 F
3-02-00	926.58	6-08-00	1,940.36 F	10-02-00	3,033.49 F	13-08-00	4,124.35 F
3-03-00	952.66	6-09-00	1,966.39 F	10-03-00	3,059.46 F	13-09-00	4,150.32 F
3-04-00	978.74	6-10-00	1,992.42 F	10-04-00	3,085.43 F	13-10-00	4,176.29 F
3-05-00	1,004.81	6-11-00	2,018.45 F	10-05-00	3,111.41 F	13-11-00	4,202.26 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 **015-002** Tank Type **F** Roof Weight **28,085** API **10.00** Gravity Correction **.57**
 Strapped By: **HMT** 8/30/2011 Floating Height **4-04-00**

<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	4,228.24 F	17-06-00	5,319.09 F	21-00-00	6,409.89 F	24-06-00	7,500.58 F
14-01-00	4,254.21 F	17-07-00	5,345.07 F	21-01-00	6,435.86 F	24-07-00	7,526.55 F
14-02-00	4,280.18 F	17-08-00	5,371.04 F	21-02-00	6,461.83 F	24-08-00	7,552.52 F
14-03-00	4,306.15 F	17-09-00	5,397.01 F	21-03-00	6,487.80 F	24-09-00	7,578.49 F
14-04-00	4,332.13 F	17-10-00	5,422.99 F	21-04-00	6,513.76 F	24-10-00	7,604.45 F
14-05-00	4,358.10 F	17-11-00	5,448.96 F	21-05-00	6,539.73 F	24-11-00	7,630.42 F
14-06-00	4,384.07 F	18-00-00	5,474.93 F	21-06-00	6,565.70 F	25-00-00	7,656.39 F
14-07-00	4,410.05 F	18-01-00	5,500.90 F	21-07-00	6,591.67 F	25-01-00	7,682.36 F
14-08-00	4,436.02 F	18-02-00	5,526.88 F	21-08-00	6,617.64 F	25-02-00	7,708.33 F
14-09-00	4,461.99 F	18-03-00	5,552.85 F	21-09-00	6,643.61 F	25-03-00	7,734.30 F
14-10-00	4,487.96 F	18-04-00	5,578.82 F	21-10-00	6,669.58 F	25-04-00	7,760.27 F
14-11-00	4,513.94 F	18-05-00	5,604.79 F	21-11-00	6,695.55 F	25-05-00	7,786.24 F
15-00-00	4,539.91 F	18-06-00	5,630.77 F	22-00-00	6,721.51 F	25-06-00	7,812.20 F
15-01-00	4,565.88 F	18-07-00	5,656.74 F	22-01-00	6,747.48 F	25-07-00	7,838.17 F
15-02-00	4,591.86 F	18-08-00	5,682.71 F	22-02-00	6,773.45 F	25-08-00	7,864.14 F
15-03-00	4,617.83 F	18-09-00	5,708.69 F	22-03-00	6,799.42 F	25-09-00	7,890.11 F
15-04-00	4,643.80 F	18-10-00	5,734.66 F	22-04-00	6,825.39 F	25-10-00	7,916.08 F
15-05-00	4,669.77 F	18-11-00	5,760.63 F	22-05-00	6,851.36 F	25-11-00	7,942.05 F
15-06-00	4,695.75 F	19-00-00	5,786.60 F	22-06-00	6,877.33 F	26-00-00	7,968.02 F
15-07-00	4,721.72 F	19-01-00	5,812.58 F	22-07-00	6,903.30 F	26-01-00	7,993.99 F
15-08-00	4,747.69 F	19-02-00	5,838.55 F	22-08-00	6,929.27 F	26-02-00	8,019.95 F
15-09-00	4,773.67 F	19-03-00	5,864.52 F	22-09-00	6,955.23 F	26-03-00	8,045.92 F
15-10-00	4,799.64 F	19-04-00	5,890.50 F	22-10-00	6,981.20 F	26-04-00	8,071.89 F
15-11-00	4,825.61 F	19-05-00	5,916.47 F	22-11-00	7,007.17 F	26-05-00	8,097.86 F
16-00-00	4,851.58 F	19-06-00	5,942.44 F	23-00-00	7,033.14 F	26-06-00	8,123.83 F
16-01-00	4,877.56 F	19-07-00	5,968.41 F	23-01-00	7,059.11 F	26-07-00	8,149.80 F
16-02-00	4,903.53 F	19-08-00	5,994.39 F	23-02-00	7,085.08 F	26-08-00	8,175.77 F
16-03-00	4,929.50 F	19-09-00	6,020.36 F	23-03-00	7,111.05 F	26-09-00	8,201.74 F
16-04-00	4,955.47 F	19-10-00	6,046.33 F	23-04-00	7,137.02 F	26-10-00	8,227.71 F
16-05-00	4,981.45 F	19-11-00	6,072.29 F	23-05-00	7,162.98 F	26-11-00	8,253.67 F
16-06-00	5,007.42 F	20-00-00	6,098.26 F	23-06-00	7,188.95 F	27-00-00	8,279.64 F
16-07-00	5,033.39 F	20-01-00	6,124.23 F	23-07-00	7,214.92 F	27-01-00	8,305.61 F
16-08-00	5,059.37 F	20-02-00	6,150.20 F	23-08-00	7,240.89 F	27-02-00	8,331.58 F
16-09-00	5,085.34 F	20-03-00	6,176.17 F	23-09-00	7,266.86 F	27-03-00	8,357.55 F
16-10-00	5,111.31 F	20-04-00	6,202.14 F	23-10-00	7,292.83 F	27-04-00	8,383.52 F
16-11-00	5,137.28 F	20-05-00	6,228.11 F	23-11-00	7,318.80 F	27-05-00	8,409.49 F
17-00-00	5,163.26 F	20-06-00	6,254.08 F	24-00-00	7,344.77 F	27-06-00	8,435.46 F
17-01-00	5,189.23 F	20-07-00	6,280.05 F	24-01-00	7,370.73 F	27-07-00	8,461.42 F
17-02-00	5,215.20 F	20-08-00	6,306.01 F	24-02-00	7,396.70 F	27-08-00	8,487.39 F
17-03-00	5,241.18 F	20-09-00	6,331.98 F	24-03-00	7,422.67 F	27-09-00	8,513.36 F
17-04-00	5,267.15 F	20-10-00	6,357.95 F	24-04-00	7,448.64 F	27-10-00	8,539.33 F
17-05-00	5,293.12 F	20-11-00	6,383.92 F	24-05-00	7,474.61 F	27-11-00	8,565.30 F

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Tank ID **015-002** Tank Type **F** Roof Weight **28,085** API **10.00** Gravity Correction **.57**
 Strapped By: **HMT** 8/30/2011 Floating Height **4-04-00**

<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	8,591.27 F	31-06-00	9,683.39 F	35-00-00	10,776.80 F	38-06-00	11,869.87 F
28-01-00	8,617.24 F	31-07-00	9,709.43 F	35-01-00	10,802.84 F	38-07-00	11,895.87 F
28-02-00	8,643.21 F	31-08-00	9,735.46 F	35-02-00	10,828.87 F	38-08-00	11,921.87 F
28-03-00	8,669.17 F	31-09-00	9,761.49 F	35-03-00	10,854.90 F	38-09-00	11,947.87 F
28-04-00	8,695.14 F	31-10-00	9,787.53 F	35-04-00	10,880.94 F	38-10-00	11,973.87 F
28-05-00	8,721.11 F	31-11-00	9,813.56 F	35-05-00	10,906.97 F	38-11-00	11,999.87 F
28-06-00	8,747.08 F	32-00-00	9,839.59 F	35-06-00	10,933.00 F	39-00-00	12,025.87 F
28-07-00	8,773.05 F	32-01-00	9,865.63 F	35-07-00	10,959.04 F	39-01-00	12,051.87 F
28-08-00	8,799.02 F	32-02-00	9,891.66 F	35-08-00	10,985.07 F	39-02-00	12,077.87 F
28-09-00	8,824.99 F	32-03-00	9,917.69 F	35-09-00	11,011.11 F	39-03-00	12,103.87 F
28-10-00	8,850.96 F	32-04-00	9,943.73 F	35-10-00	11,037.14 F	39-04-00	12,129.87 F
28-11-00	8,876.93 F	32-05-00	9,969.76 F	35-11-00	11,063.17 F	39-05-00	12,155.87 F
29-00-00	8,902.89 F	32-06-00	9,995.79 F	36-00-00	11,089.21 F	39-06-00	12,181.88 F
29-01-00	8,928.86 F	32-07-00	10,021.83 F	36-01-00	11,115.24 F	39-07-00	12,207.88 F
29-02-00	8,954.83 F	32-08-00	10,047.86 F	36-02-00	11,141.27 F	39-08-00	12,233.88 F
29-03-00	8,980.80 F	32-09-00	10,073.90 F	36-03-00	11,167.31 F	39-09-00	12,259.88 F
29-04-00	9,006.77 F	32-10-00	10,099.93 F	36-04-00	11,193.34 F	39-10-00	12,285.88 F
29-05-00	9,032.74 F	32-11-00	10,125.96 F	36-05-00	11,219.37 F	39-11-00	12,311.88 F
29-06-00	9,058.71 F	33-00-00	10,152.00 F	36-06-00	11,245.41 F	40-00-00	12,337.88 F
29-07-00	9,084.68 F	33-01-00	10,178.03 F	36-07-00	11,271.44 F	40-01-00	12,363.88 F
29-08-00	9,110.65 F	33-02-00	10,204.06 F	36-08-00	11,297.47 F	40-02-00	12,389.88 F
29-09-00	9,136.69 F	33-03-00	10,230.10 F	36-09-00	11,323.51 F	40-03-00	12,415.88 F
29-10-00	9,162.72 F	33-04-00	10,256.13 F	36-10-00	11,349.54 F	40-04-00	12,441.88 F
29-11-00	9,188.75 F	33-05-00	10,282.16 F	36-11-00	11,375.58 F	40-05-00	12,467.88 F
30-00-00	9,214.79 F	33-06-00	10,308.20 F	37-00-00	11,401.61 F	40-06-00	12,493.88 F
30-01-00	9,240.82 F	33-07-00	10,334.23 F	37-01-00	11,427.64 F	40-07-00	12,519.89 F
30-02-00	9,266.85 F	33-08-00	10,360.27 F	37-02-00	11,453.68 F	40-08-00	12,545.89 F
30-03-00	9,292.89 F	33-09-00	10,386.30 F	37-03-00	11,479.71 F	40-09-00	12,571.89 F
30-04-00	9,318.92 F	33-10-00	10,412.33 F	37-04-00	11,505.74 F	40-10-00	12,597.89 F
30-05-00	9,344.95 F	33-11-00	10,438.37 F	37-05-00	11,531.78 F	40-11-00	12,623.89 F
30-06-00	9,370.99 F	34-00-00	10,464.40 F	37-06-00	11,557.81 F	41-00-00	12,649.89 F
30-07-00	9,397.02 F	34-01-00	10,490.43 F	37-07-00	11,583.84 F	41-01-00	12,675.89 F
30-08-00	9,423.06 F	34-02-00	10,516.47 F	37-08-00	11,609.86 F	41-02-00	12,701.89 F
30-09-00	9,449.09 F	34-03-00	10,542.50 F	37-09-00	11,635.86 F	41-03-00	12,727.89 F
30-10-00	9,475.12 F	34-04-00	10,568.53 F	37-10-00	11,661.86 F	41-04-00	12,753.89 F
30-11-00	9,501.16 F	34-05-00	10,594.57 F	37-11-00	11,687.86 F	41-05-00	12,779.89 F
31-00-00	9,527.19 F	34-06-00	10,620.60 F	38-00-00	11,713.86 F	41-06-00	12,805.89 F
31-01-00	9,553.22 F	34-07-00	10,646.63 F	38-01-00	11,739.86 F	41-07-00	12,831.90 F
31-02-00	9,579.26 F	34-08-00	10,672.67 F	38-02-00	11,765.86 F	41-08-00	12,857.90 F
31-03-00	9,605.29 F	34-09-00	10,698.70 F	38-03-00	11,791.86 F	41-09-00	12,883.90 F
31-04-00	9,631.32 F	34-10-00	10,724.74 F	38-04-00	11,817.86 F	41-10-00	12,909.90 F
31-05-00	9,657.36 F	34-11-00	10,750.77 F	38-05-00	11,843.86 F	41-11-00	12,935.90 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 **015-002** Tank Type **F** Roof Weight **28,085** API **10.00** Gravity Correction **.57**
 Strapped By: **HMT** 8/30/2011 Floating Height **4-04-00**

<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	12,961.90 F	45-06-00	14,053.93 F	49-00-00	15,146.39 F	52-06-00	16,238.86 F
42-01-00	12,987.90 F	45-07-00	14,079.93 F	49-01-00	15,172.41 F	52-07-00	16,264.88 F
42-02-00	13,013.90 F	45-08-00	14,105.95 F	49-02-00	15,198.42 F	52-08-00	16,290.89 F
42-03-00	13,039.90 F	45-09-00	14,131.96 F	49-03-00	15,224.43 F	52-09-00	16,316.90 F
42-04-00	13,065.90 F	45-10-00	14,157.97 F	49-04-00	15,250.44 F	52-10-00	16,342.91 F
42-05-00	13,091.90 F	45-11-00	14,183.98 F	49-05-00	15,276.45 F	52-11-00	16,368.92 F
42-06-00	13,117.90 F	46-00-00	14,209.99 F	49-06-00	15,302.46 F	53-00-00	16,394.93 F
42-07-00	13,143.90 F	46-01-00	14,236.00 F	49-07-00	15,328.47 F	53-01-00	16,420.94 F
42-08-00	13,169.91 F	46-02-00	14,262.01 F	49-08-00	15,354.48 F	53-02-00	16,446.95 F
42-09-00	13,195.91 F	46-03-00	14,288.02 F	49-09-00	15,380.49 F	53-03-00	16,472.97 F
42-10-00	13,221.91 F	46-04-00	14,314.04 F	49-10-00	15,406.51 F	53-04-00	16,498.98 F
42-11-00	13,247.91 F	46-05-00	14,340.05 F	49-11-00	15,432.52 F	53-05-00	16,524.99 F
43-00-00	13,273.91 F	46-06-00	14,366.06 F	50-00-00	15,458.53 F	53-06-00	16,551.00 F
43-01-00	13,299.91 F	46-07-00	14,392.07 F	50-01-00	15,484.54 F	53-07-00	16,577.01 F
43-02-00	13,325.91 F	46-08-00	14,418.08 F	50-02-00	15,510.55 F		
43-03-00	13,351.91 F	46-09-00	14,444.09 F	50-03-00	15,536.56 F		
43-04-00	13,377.91 F	46-10-00	14,470.10 F	50-04-00	15,562.57 F		
43-05-00	13,403.91 F	46-11-00	14,496.11 F	50-05-00	15,588.58 F		
43-06-00	13,429.91 F	47-00-00	14,522.13 F	50-06-00	15,614.60 F		
43-07-00	13,455.91 F	47-01-00	14,548.14 F	50-07-00	15,640.61 F		
43-08-00	13,481.92 F	47-02-00	14,574.15 F	50-08-00	15,666.62 F		
43-09-00	13,507.92 F	47-03-00	14,600.16 F	50-09-00	15,692.63 F		
43-10-00	13,533.92 F	47-04-00	14,626.17 F	50-10-00	15,718.64 F		
43-11-00	13,559.92 F	47-05-00	14,652.18 F	50-11-00	15,744.65 F		
44-00-00	13,585.92 F	47-06-00	14,678.19 F	51-00-00	15,770.66 F		
44-01-00	13,611.92 F	47-07-00	14,704.20 F	51-01-00	15,796.67 F		
44-02-00	13,637.92 F	47-08-00	14,730.21 F	51-02-00	15,822.69 F		
44-03-00	13,663.92 F	47-09-00	14,756.23 F	51-03-00	15,848.70 F		
44-04-00	13,689.92 F	47-10-00	14,782.24 F	51-04-00	15,874.71 F		
44-05-00	13,715.92 F	47-11-00	14,808.25 F	51-05-00	15,900.72 F		
44-06-00	13,741.92 F	48-00-00	14,834.26 F	51-06-00	15,926.73 F		
44-07-00	13,767.92 F	48-01-00	14,860.27 F	51-07-00	15,952.74 F		
44-08-00	13,793.92 F	48-02-00	14,886.28 F	51-08-00	15,978.75 F		
44-09-00	13,819.93 F	48-03-00	14,912.29 F	51-09-00	16,004.76 F		
44-10-00	13,845.93 F	48-04-00	14,938.30 F	51-10-00	16,030.77 F		
44-11-00	13,871.93 F	48-05-00	14,964.32 F	51-11-00	16,056.79 F		
45-00-00	13,897.93 F	48-06-00	14,990.33 F	52-00-00	16,082.80 F		
45-01-00	13,923.93 F	48-07-00	15,016.34 F	52-01-00	16,108.81 F		
45-02-00	13,949.93 F	48-08-00	15,042.35 F	52-02-00	16,134.82 F		
45-03-00	13,975.93 F	48-09-00	15,068.36 F	52-03-00	16,160.83 F		
45-04-00	14,001.93 F	48-10-00	15,094.37 F	52-04-00	16,186.84 F		
45-05-00	14,027.93 F	48-11-00	15,120.38 F	52-05-00	16,212.85 F		

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

BOLD DENOTES ROOF CRITICAL ZONE