

Tank Strapping Detail Report

Tank ID **100-018** Tank Type **F** Roof Weight **132,380** API **10.00** Gravity Correction **2.68**
 Strapped By: HMT 7/19/2012 Floating Height **4-09-00**

<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	28.64	3-06-00	6,702.30	7-00-00	13,731.10 F	10-06-00	21,138.47 F
0-01-00	66.12	3-07-00	6,878.69	7-01-00	13,907.45 F	10-07-00	21,314.90 F
0-02-00	114.17	3-08-00	7,055.09	7-02-00	14,083.80 F	10-08-00	21,491.33 F
0-03-00	173.98	3-09-00	7,231.49	7-03-00	14,260.15 F	10-09-00	21,667.76 F
0-04-00	248.14	3-10-00	7,407.89	7-04-00	14,436.50 F	10-10-00	21,844.18 F
0-05-00	342.06	3-11-00	7,584.28	7-05-00	14,612.85 F	10-11-00	22,020.61 F
0-06-00	451.67	4-00-00	7,760.68	7-06-00	14,789.21 F	11-00-00	22,197.04 F
0-07-00	572.09	4-01-00	7,937.08	7-07-00	14,965.56 F	11-01-00	22,373.47 F
0-08-00	715.46	4-02-00	8,113.48	7-08-00	15,141.91 F	11-02-00	22,549.90 F
0-09-00	882.37	4-03-00	8,289.87	7-09-00	15,318.26 F	11-03-00	22,726.32 F
0-10-00	1,057.76	4-04-00	8,466.27	7-10-00	15,494.61 F	11-04-00	22,902.75 F
0-11-00	1,234.11	4-05-00	8,642.67	7-11-00	15,670.96 F	11-05-00	23,079.18 F
1-00-00	1,410.46	4-06-00	8,819.03	8-00-00	15,847.31 F	11-06-00	23,255.61 F
1-01-00	1,586.82	4-07-00	8,995.38	8-01-00	16,023.66 F	11-07-00	23,432.04 F
1-02-00	1,763.17	4-08-00	9,171.74	8-02-00	16,200.01 F	11-08-00	23,608.46 F
1-03-00	1,939.52	4-09-00	9,348.09 F	8-03-00	16,376.37 F	11-09-00	23,784.89 F
1-04-00	2,115.87	4-10-00	9,438.40 F	8-04-00	16,552.72 F	11-10-00	23,961.32 F
1-05-00	2,292.25	4-11-00	9,442.67 F	8-05-00	16,729.07 F	11-11-00	24,137.75 F
1-06-00	2,468.67	5-00-00	9,498.67 F	8-06-00	16,905.42 F	12-00-00	24,314.18 F
1-07-00	2,645.09	5-01-00	9,675.02 F	8-07-00	17,081.77 F	12-01-00	24,490.60 F
1-08-00	2,821.49	5-02-00	9,851.37 F	8-08-00	17,258.12 F	12-02-00	24,667.03 F
1-09-00	2,997.90	5-03-00	10,027.72 F	8-09-00	17,434.47 F	12-03-00	24,843.46 F
1-10-00	3,174.31	5-04-00	10,204.07 F	8-10-00	17,610.82 F	12-04-00	25,019.89 F
1-11-00	3,350.71	5-05-00	10,380.43 F	8-11-00	17,787.18 F	12-05-00	25,196.32 F
2-00-00	3,527.12	5-06-00	10,556.78 F	9-00-00	17,963.53 F	12-06-00	25,372.74 F
2-01-00	3,703.53	5-07-00	10,733.13 F	9-01-00	18,139.88 F	12-07-00	25,549.17 F
2-02-00	3,879.93	5-08-00	10,909.48 F	9-02-00	18,316.23 F	12-08-00	25,725.60 F
2-03-00	4,056.33	5-09-00	11,085.83 F	9-03-00	18,492.58 F	12-09-00	25,902.03 F
2-04-00	4,232.73	5-10-00	11,262.18 F	9-04-00	18,668.93 F	12-10-00	26,078.46 F
2-05-00	4,409.13	5-11-00	11,438.53 F	9-05-00	18,845.28 F	12-11-00	26,254.88 F
2-06-00	4,585.53	6-00-00	11,614.88 F	9-06-00	19,021.63 F	13-00-00	26,431.31 F
2-07-00	4,761.92	6-01-00	11,791.23 F	9-07-00	19,197.99 F	13-01-00	26,607.74 F
2-08-00	4,938.32	6-02-00	11,967.59 F	9-08-00	19,374.34 F	13-02-00	26,784.17 F
2-09-00	5,114.72	6-03-00	12,143.94 F	9-09-00	19,550.69 F	13-03-00	26,960.60 F
2-10-00	5,291.12	6-04-00	12,320.29 F	9-10-00	19,727.05 F	13-04-00	27,137.02 F
2-11-00	5,467.51	6-05-00	12,496.64 F	9-11-00	19,903.48 F	13-05-00	27,313.45 F
3-00-00	5,643.91	6-06-00	12,672.99 F	10-00-00	20,079.90 F	13-06-00	27,489.88 F
3-01-00	5,820.31	6-07-00	12,849.34 F	10-01-00	20,256.33 F	13-07-00	27,666.31 F
3-02-00	5,996.71	6-08-00	13,025.69 F	10-02-00	20,432.76 F	13-08-00	27,842.74 F
3-03-00	6,173.10	6-09-00	13,202.04 F	10-03-00	20,609.19 F	13-09-00	28,019.16 F
3-04-00	6,349.50	6-10-00	13,378.40 F	10-04-00	20,785.62 F	13-10-00	28,195.59 F
3-05-00	6,525.90	6-11-00	13,554.75 F	10-05-00	20,962.04 F	13-11-00	28,372.02 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 **100-018** Tank Type **F** Roof Weight **132,380** API **10.00** Gravity Correction **2.68**
 Strapped By: HMT 7/19/2012 Floating Height **4-09-00**

<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	28,548.45 F	17-06-00	35,958.42 F	21-00-00	43,370.83 F	24-06-00	50,787.12 F
14-01-00	28,724.88 F	17-07-00	36,134.85 F	21-01-00	43,547.40 F	24-07-00	50,963.70 F
14-02-00	28,901.30 F	17-08-00	36,311.28 F	21-02-00	43,723.98 F	24-08-00	51,140.28 F
14-03-00	29,077.73 F	17-09-00	36,487.71 F	21-03-00	43,900.56 F	24-09-00	51,316.85 F
14-04-00	29,254.16 F	17-10-00	36,664.14 F	21-04-00	44,077.14 F	24-10-00	51,493.43 F
14-05-00	29,430.59 F	17-11-00	36,840.56 F	21-05-00	44,253.72 F	24-11-00	51,670.01 F
14-06-00	29,607.02 F	18-00-00	37,016.99 F	21-06-00	44,430.30 F	25-00-00	51,846.59 F
14-07-00	29,783.44 F	18-01-00	37,193.42 F	21-07-00	44,606.87 F	25-01-00	52,023.17 F
14-08-00	29,959.87 F	18-02-00	37,369.85 F	21-08-00	44,783.45 F	25-02-00	52,199.75 F
14-09-00	30,136.30 F	18-03-00	37,546.28 F	21-09-00	44,960.03 F	25-03-00	52,376.32 F
14-10-00	30,312.73 F	18-04-00	37,722.70 F	21-10-00	45,136.61 F	25-04-00	52,552.90 F
14-11-00	30,489.16 F	18-05-00	37,899.13 F	21-11-00	45,313.19 F	25-05-00	52,729.48 F
15-00-00	30,665.58 F	18-06-00	38,075.56 F	22-00-00	45,489.77 F	25-06-00	52,906.06 F
15-01-00	30,842.01 F	18-07-00	38,251.99 F	22-01-00	45,666.34 F	25-07-00	53,082.64 F
15-02-00	31,018.44 F	18-08-00	38,428.42 F	22-02-00	45,842.92 F	25-08-00	53,259.22 F
15-03-00	31,194.87 F	18-09-00	38,604.84 F	22-03-00	46,019.50 F	25-09-00	53,435.79 F
15-04-00	31,371.30 F	18-10-00	38,781.27 F	22-04-00	46,196.08 F	25-10-00	53,612.37 F
15-05-00	31,547.72 F	18-11-00	38,957.70 F	22-05-00	46,372.66 F	25-11-00	53,788.95 F
15-06-00	31,724.15 F	19-00-00	39,134.13 F	22-06-00	46,549.24 F	26-00-00	53,965.53 F
15-07-00	31,900.58 F	19-01-00	39,310.56 F	22-07-00	46,725.82 F	26-01-00	54,142.11 F
15-08-00	32,077.01 F	19-02-00	39,486.98 F	22-08-00	46,902.39 F	26-02-00	54,318.69 F
15-09-00	32,253.44 F	19-03-00	39,663.41 F	22-09-00	47,078.97 F	26-03-00	54,495.26 F
15-10-00	32,429.86 F	19-04-00	39,839.84 F	22-10-00	47,255.55 F	26-04-00	54,671.84 F
15-11-00	32,606.29 F	19-05-00	40,016.27 F	22-11-00	47,432.13 F	26-05-00	54,848.42 F
16-00-00	32,782.72 F	19-06-00	40,192.70 F	23-00-00	47,608.71 F	26-06-00	55,025.00 F
16-01-00	32,959.15 F	19-07-00	40,369.12 F	23-01-00	47,785.29 F	26-07-00	55,201.58 F
16-02-00	33,135.58 F	19-08-00	40,545.57 F	23-02-00	47,961.86 F	26-08-00	55,378.16 F
16-03-00	33,312.00 F	19-09-00	40,722.15 F	23-03-00	48,138.44 F	26-09-00	55,554.74 F
16-04-00	33,488.43 F	19-10-00	40,898.73 F	23-04-00	48,315.02 F	26-10-00	55,731.31 F
16-05-00	33,664.86 F	19-11-00	41,075.31 F	23-05-00	48,491.60 F	26-11-00	55,907.89 F
16-06-00	33,841.29 F	20-00-00	41,251.88 F	23-06-00	48,668.18 F	27-00-00	56,084.47 F
16-07-00	34,017.72 F	20-01-00	41,428.46 F	23-07-00	48,844.76 F	27-01-00	56,261.05 F
16-08-00	34,194.14 F	20-02-00	41,605.04 F	23-08-00	49,021.33 F	27-02-00	56,437.63 F
16-09-00	34,370.57 F	20-03-00	41,781.62 F	23-09-00	49,197.91 F	27-03-00	56,614.21 F
16-10-00	34,547.00 F	20-04-00	41,958.20 F	23-10-00	49,374.49 F	27-04-00	56,790.78 F
16-11-00	34,723.43 F	20-05-00	42,134.78 F	23-11-00	49,551.07 F	27-05-00	56,967.36 F
17-00-00	34,899.86 F	20-06-00	42,311.36 F	24-00-00	49,727.65 F	27-06-00	57,143.94 F
17-01-00	35,076.28 F	20-07-00	42,487.93 F	24-01-00	49,904.23 F	27-07-00	57,320.52 F
17-02-00	35,252.71 F	20-08-00	42,664.51 F	24-02-00	50,080.80 F	27-08-00	57,497.10 F
17-03-00	35,429.14 F	20-09-00	42,841.09 F	24-03-00	50,257.38 F	27-09-00	57,673.68 F
17-04-00	35,605.57 F	20-10-00	43,017.67 F	24-04-00	50,433.96 F	27-10-00	57,850.25 F
17-05-00	35,782.00 F	20-11-00	43,194.25 F	24-05-00	50,610.54 F	27-11-00	58,026.83 F

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 Strapped By: HMT 7/19/2012 Floating Height **4-09-00**

<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	58,203.41 F	31-06-00	65,621.19 F	35-00-00	73,040.24 F	38-06-00	80,461.64 F
28-01-00	58,379.99 F	31-07-00	65,797.83 F	35-01-00	73,216.88 F	38-07-00	80,638.48 F
28-02-00	58,556.57 F	31-08-00	65,974.48 F	35-02-00	73,393.52 F	38-08-00	80,815.33 F
28-03-00	58,733.15 F	31-09-00	66,151.12 F	35-03-00	73,570.17 F	38-09-00	80,992.17 F
28-04-00	58,909.72 F	31-10-00	66,327.76 F	35-04-00	73,746.81 F	38-10-00	81,169.01 F
28-05-00	59,086.30 F	31-11-00	66,504.41 F	35-05-00	73,923.46 F	38-11-00	81,345.85 F
28-06-00	59,262.88 F	32-00-00	66,681.05 F	35-06-00	74,100.10 F	39-00-00	81,522.69 F
28-07-00	59,439.46 F	32-01-00	66,857.70 F	35-07-00	74,276.74 F	39-01-00	81,699.54 F
28-08-00	59,616.04 F	32-02-00	67,034.34 F	35-08-00	74,453.39 F	39-02-00	81,876.38 F
28-09-00	59,792.62 F	32-03-00	67,210.98 F	35-09-00	74,630.03 F	39-03-00	82,053.22 F
28-10-00	59,969.20 F	32-04-00	67,387.63 F	35-10-00	74,806.68 F	39-04-00	82,230.06 F
28-11-00	60,145.77 F	32-05-00	67,564.27 F	35-11-00	74,983.32 F	39-05-00	82,406.91 F
29-00-00	60,322.35 F	32-06-00	67,740.92 F	36-00-00	75,159.96 F	39-06-00	82,583.75 F
29-01-00	60,498.93 F	32-07-00	67,917.56 F	36-01-00	75,336.61 F	39-07-00	82,760.59 F
29-02-00	60,675.51 F	32-08-00	68,094.20 F	36-02-00	75,513.25 F	39-08-00	82,937.43 F
29-03-00	60,852.09 F	32-09-00	68,270.85 F	36-03-00	75,689.90 F	39-09-00	83,114.28 F
29-04-00	61,028.67 F	32-10-00	68,447.49 F	36-04-00	75,866.54 F	39-10-00	83,291.12 F
29-05-00	61,205.24 F	32-11-00	68,624.14 F	36-05-00	76,043.18 F	39-11-00	83,467.96 F
29-06-00	61,381.82 F	33-00-00	68,800.78 F	36-06-00	76,219.83 F	40-00-00	83,644.80 F
29-07-00	61,558.40 F	33-01-00	68,977.42 F	36-07-00	76,396.47 F	40-01-00	83,821.65 F
29-08-00	61,735.02 F	33-02-00	69,154.07 F	36-08-00	76,573.12 F	40-02-00	83,998.49 F
29-09-00	61,911.66 F	33-03-00	69,330.71 F	36-09-00	76,749.76 F	40-03-00	84,175.33 F
29-10-00	62,088.31 F	33-04-00	69,507.36 F	36-10-00	76,926.40 F	40-04-00	84,352.17 F
29-11-00	62,264.95 F	33-05-00	69,684.00 F	36-11-00	77,103.05 F	40-05-00	84,529.02 F
30-00-00	62,441.60 F	33-06-00	69,860.64 F	37-00-00	77,279.69 F	40-06-00	84,705.86 F
30-01-00	62,618.24 F	33-07-00	70,037.29 F	37-01-00	77,456.34 F	40-07-00	84,882.70 F
30-02-00	62,794.88 F	33-08-00	70,213.93 F	37-02-00	77,632.98 F	40-08-00	85,059.54 F
30-03-00	62,971.53 F	33-09-00	70,390.58 F	37-03-00	77,809.62 F	40-09-00	85,236.39 F
30-04-00	63,148.17 F	33-10-00	70,567.22 F	37-04-00	77,986.27 F	40-10-00	85,413.23 F
30-05-00	63,324.82 F	33-11-00	70,743.86 F	37-05-00	78,162.91 F	40-11-00	85,590.07 F
30-06-00	63,501.46 F	34-00-00	70,920.51 F	37-06-00	78,339.56 F	41-00-00	85,766.91 F
30-07-00	63,678.10 F	34-01-00	71,097.15 F	37-07-00	78,516.37 F	41-01-00	85,943.75 F
30-08-00	63,854.75 F	34-02-00	71,273.80 F	37-08-00	78,693.22 F	41-02-00	86,120.60 F
30-09-00	64,031.39 F	34-03-00	71,450.44 F	37-09-00	78,870.06 F	41-03-00	86,297.44 F
30-10-00	64,208.04 F	34-04-00	71,627.08 F	37-10-00	79,046.90 F	41-04-00	86,474.28 F
30-11-00	64,384.68 F	34-05-00	71,803.73 F	37-11-00	79,223.74 F	41-05-00	86,651.12 F
31-00-00	64,561.32 F	34-06-00	71,980.37 F	38-00-00	79,400.59 F	41-06-00	86,827.97 F
31-01-00	64,737.97 F	34-07-00	72,157.02 F	38-01-00	79,577.43 F	41-07-00	87,004.81 F
31-02-00	64,914.61 F	34-08-00	72,333.66 F	38-02-00	79,754.27 F	41-08-00	87,181.65 F
31-03-00	65,091.26 F	34-09-00	72,510.30 F	38-03-00	79,931.11 F	41-09-00	87,358.49 F
31-04-00	65,267.90 F	34-10-00	72,686.95 F	38-04-00	80,107.96 F	41-10-00	87,535.34 F
31-05-00	65,444.54 F	34-11-00	72,863.59 F	38-05-00	80,284.80 F	41-11-00	87,712.18 F

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BOLD DENOTES ROOF CRITICAL ZONE

Tank ID **100-018** Tank Type **F** Roof Weight **132,380** API **10.00** Gravity Correction **2.68**
 Strapped By: HMT 7/19/2012 Floating Height **4-09-00**

<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	87,889.02 F	45-06-00	95,316.46 F	49-00-00	102,747.81 F	52-06-00	110,179.15 F
42-01-00	88,065.86 F	45-07-00	95,493.40 F	49-01-00	102,924.74 F	52-07-00	110,356.09 F
42-02-00	88,242.71 F	45-08-00	95,670.33 F	49-02-00	103,101.68 F	52-08-00	110,533.03 F
42-03-00	88,419.55 F	45-09-00	95,847.27 F	49-03-00	103,278.62 F	52-09-00	110,709.96 F
42-04-00	88,596.39 F	45-10-00	96,024.21 F	49-04-00	103,455.55 F	52-10-00	110,886.90 F
42-05-00	88,773.23 F	45-11-00	96,201.14 F	49-05-00	103,632.49 F	52-11-00	111,063.84 F
42-06-00	88,950.08 F	46-00-00	96,378.08 F	49-06-00	103,809.43 F	53-00-00	111,240.77 F
42-07-00	89,126.92 F	46-01-00	96,555.02 F	49-07-00	103,986.36 F	53-01-00	111,417.71 F
42-08-00	89,303.76 F	46-02-00	96,731.96 F	49-08-00	104,163.30 F	53-02-00	111,594.65 F
42-09-00	89,480.60 F	46-03-00	96,908.89 F	49-09-00	104,340.24 F	53-03-00	111,771.58 F
42-10-00	89,657.45 F	46-04-00	97,085.83 F	49-10-00	104,517.17 F	53-04-00	111,948.52 F
42-11-00	89,834.29 F	46-05-00	97,262.77 F	49-11-00	104,694.11 F	53-05-00	112,125.46 F
43-00-00	90,011.13 F	46-06-00	97,439.70 F	50-00-00	104,871.05 F	53-06-00	112,302.39 F
43-01-00	90,187.97 F	46-07-00	97,616.64 F	50-01-00	105,047.98 F	53-07-00	112,479.33 F
43-02-00	90,364.81 F	46-08-00	97,793.58 F	50-02-00	105,224.92 F	53-08-00	112,656.27 F
43-03-00	90,541.66 F	46-09-00	97,970.51 F	50-03-00	105,401.86 F		
43-04-00	90,718.50 F	46-10-00	98,147.45 F	50-04-00	105,578.80 F		
43-05-00	90,895.34 F	46-11-00	98,324.39 F	50-05-00	105,755.73 F		
43-06-00	91,072.18 F	47-00-00	98,501.32 F	50-06-00	105,932.67 F		
43-07-00	91,249.03 F	47-01-00	98,678.26 F	50-07-00	106,109.61 F		
43-08-00	91,425.87 F	47-02-00	98,855.20 F	50-08-00	106,286.54 F		
43-09-00	91,602.71 F	47-03-00	99,032.13 F	50-09-00	106,463.48 F		
43-10-00	91,779.55 F	47-04-00	99,209.07 F	50-10-00	106,640.42 F		
43-11-00	91,956.40 F	47-05-00	99,386.01 F	50-11-00	106,817.35 F		
44-00-00	92,133.24 F	47-06-00	99,562.94 F	51-00-00	106,994.29 F		
44-01-00	92,310.08 F	47-07-00	99,739.88 F	51-01-00	107,171.23 F		
44-02-00	92,486.92 F	47-08-00	99,916.82 F	51-02-00	107,348.16 F		
44-03-00	92,663.77 F	47-09-00	100,093.75 F	51-03-00	107,525.10 F		
44-04-00	92,840.61 F	47-10-00	100,270.69 F	51-04-00	107,702.04 F		
44-05-00	93,017.45 F	47-11-00	100,447.63 F	51-05-00	107,878.97 F		
44-06-00	93,194.29 F	48-00-00	100,624.56 F	51-06-00	108,055.91 F		
44-07-00	93,371.14 F	48-01-00	100,801.50 F	51-07-00	108,232.85 F		
44-08-00	93,547.98 F	48-02-00	100,978.44 F	51-08-00	108,409.78 F		
44-09-00	93,724.82 F	48-03-00	101,155.38 F	51-09-00	108,586.72 F		
44-10-00	93,901.66 F	48-04-00	101,332.31 F	51-10-00	108,763.66 F		
44-11-00	94,078.51 F	48-05-00	101,509.25 F	51-11-00	108,940.59 F		
45-00-00	94,255.35 F	48-06-00	101,686.19 F	52-00-00	109,117.53 F		
45-01-00	94,432.19 F	48-07-00	101,863.12 F	52-01-00	109,294.47 F		
45-02-00	94,609.03 F	48-08-00	102,040.06 F	52-02-00	109,471.40 F		
45-03-00	94,785.87 F	48-09-00	102,217.00 F	52-03-00	109,648.34 F		
45-04-00	94,962.72 F	48-10-00	102,393.93 F	52-04-00	109,825.28 F		
45-05-00	95,139.56 F	48-11-00	102,570.87 F	52-05-00	110,002.22 F		

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

BOLD DENOTES ROOF CRITICAL ZONE