

Tank ID **100-014** Tank Type **F** Roof Weight **133,280** API **10.00** Gravity Correction **2.70**
 Strapped By: **HMT** 8/8/2011 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	.43	3-06-00	6,391.96	7-00-00	13,418.22 F	10-06-00	20,824.25 F
0-01-00	5.87	3-07-00	6,568.37	7-01-00	13,594.58 F	10-07-00	21,000.50 F
0-02-00	20.59	3-08-00	6,744.79	7-02-00	13,770.93 F	10-08-00	21,176.74 F
0-03-00	52.61	3-09-00	6,921.20	7-03-00	13,947.29 F	10-09-00	21,352.98 F
0-04-00	104.40	3-10-00	7,097.62	7-04-00	14,123.64 F	10-10-00	21,529.23 F
0-05-00	169.69	3-11-00	7,274.03	7-05-00	14,300.00 F	10-11-00	21,705.47 F
0-06-00	243.80	4-00-00	7,450.45	7-06-00	14,476.36 F	11-00-00	21,881.71 F
0-07-00	338.31	4-01-00	7,626.80	7-07-00	14,652.71 F	11-01-00	22,057.96 F
0-08-00	462.37	4-02-00	7,803.16	7-08-00	14,829.07 F	11-02-00	22,234.20 F
0-09-00	602.91	4-03-00	7,979.51	7-09-00	15,005.42 F	11-03-00	22,410.44 F
0-10-00	754.09	4-04-00	8,155.87	7-10-00	15,181.78 F	11-04-00	22,586.69 F
0-11-00	923.71	4-05-00	8,332.23	7-11-00	15,358.14 F	11-05-00	22,762.93 F
1-00-00	1,100.02	4-06-00	8,508.58	8-00-00	15,534.49 F	11-06-00	22,939.17 F
1-01-00	1,276.39	4-07-00	8,684.94	8-01-00	15,710.85 F	11-07-00	23,115.42 F
1-02-00	1,452.77	4-08-00	8,861.29	8-02-00	15,887.20 F	11-08-00	23,291.66 F
1-03-00	1,629.15	4-09-00	9,037.65	8-03-00	16,063.56 F	11-09-00	23,467.90 F
1-04-00	1,805.52	4-10-00	9,214.01	8-04-00	16,239.92 F	11-10-00	23,644.15 F
1-05-00	1,981.90	4-11-00	9,390.36 F	8-05-00	16,416.27 F	11-11-00	23,820.39 F
1-06-00	2,158.28	5-00-00	9,471.46 F	8-06-00	16,592.63 F	12-00-00	23,996.63 F
1-07-00	2,334.65	5-01-00	9,520.80 F	8-07-00	16,768.98 F	12-01-00	24,172.88 F
1-08-00	2,511.02	5-02-00	9,570.14 F	8-08-00	16,945.34 F	12-02-00	24,349.12 F
1-09-00	2,687.40	5-03-00	9,714.74 F	8-09-00	17,121.70 F	12-03-00	24,525.36 F
1-10-00	2,863.78	5-04-00	9,891.10 F	8-10-00	17,298.05 F	12-04-00	24,701.60 F
1-11-00	3,040.13	5-05-00	10,067.46 F	8-11-00	17,474.41 F	12-05-00	24,877.85 F
2-00-00	3,216.51	5-06-00	10,243.81 F	9-00-00	17,650.76 F	12-06-00	25,054.09 F
2-01-00	3,392.92	5-07-00	10,420.17 F	9-01-00	17,827.12 F	12-07-00	25,230.33 F
2-02-00	3,569.34	5-08-00	10,596.52 F	9-02-00	18,003.48 F	12-08-00	25,406.58 F
2-03-00	3,745.76	5-09-00	10,772.88 F	9-03-00	18,179.83 F	12-09-00	25,582.82 F
2-04-00	3,922.18	5-10-00	10,949.24 F	9-04-00	18,356.19 F	12-10-00	25,759.06 F
2-05-00	4,098.58	5-11-00	11,125.59 F	9-05-00	18,532.54 F	12-11-00	25,935.31 F
2-06-00	4,274.99	6-00-00	11,301.95 F	9-06-00	18,708.90 F	13-00-00	26,111.55 F
2-07-00	4,451.41	6-01-00	11,478.30 F	9-07-00	18,885.26 F	13-01-00	26,287.79 F
2-08-00	4,627.82	6-02-00	11,654.66 F	9-08-00	19,061.61 F	13-02-00	26,464.04 F
2-09-00	4,804.24	6-03-00	11,831.02 F	9-09-00	19,237.97 F	13-03-00	26,640.28 F
2-10-00	4,980.65	6-04-00	12,007.37 F	9-10-00	19,414.31 F	13-04-00	26,816.52 F
2-11-00	5,157.06	6-05-00	12,183.73 F	9-11-00	19,590.55 F	13-05-00	26,992.77 F
3-00-00	5,333.47	6-06-00	12,360.08 F	10-00-00	19,766.80 F	13-06-00	27,169.01 F
3-01-00	5,509.89	6-07-00	12,536.44 F	10-01-00	19,943.04 F	13-07-00	27,345.25 F
3-02-00	5,686.30	6-08-00	12,712.80 F	10-02-00	20,119.28 F	13-08-00	27,521.50 F
3-03-00	5,862.72	6-09-00	12,889.15 F	10-03-00	20,295.52 F	13-09-00	27,697.74 F
3-04-00	6,039.13	6-10-00	13,065.51 F	10-04-00	20,471.77 F	13-10-00	27,873.98 F
3-05-00	6,215.55	6-11-00	13,241.86 F	10-05-00	20,648.01 F	13-11-00	28,050.23 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 **100-014** Tank Type **F** Roof Weight **133,280** API **10.00** Gravity Correction **2.70**
 Strapped By: HMT 8/8/2011 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	28,226.47 F	17-06-00	35,628.68 F	21-00-00	43,031.19 F	24-06-00	50,434.21 F
14-01-00	28,402.71 F	17-07-00	35,804.93 F	21-01-00	43,207.45 F	24-07-00	50,610.47 F
14-02-00	28,578.96 F	17-08-00	35,981.17 F	21-02-00	43,383.71 F	24-08-00	50,786.73 F
14-03-00	28,755.20 F	17-09-00	36,157.41 F	21-03-00	43,559.98 F	24-09-00	50,963.00 F
14-04-00	28,931.44 F	17-10-00	36,333.66 F	21-04-00	43,736.24 F	24-10-00	51,139.26 F
14-05-00	29,107.68 F	17-11-00	36,509.90 F	21-05-00	43,912.50 F	24-11-00	51,315.52 F
14-06-00	29,283.93 F	18-00-00	36,686.14 F	21-06-00	44,088.76 F	25-00-00	51,491.78 F
14-07-00	29,460.17 F	18-01-00	36,862.39 F	21-07-00	44,265.02 F	25-01-00	51,668.05 F
14-08-00	29,636.41 F	18-02-00	37,038.63 F	21-08-00	44,441.29 F	25-02-00	51,844.31 F
14-09-00	29,812.66 F	18-03-00	37,214.87 F	21-09-00	44,617.55 F	25-03-00	52,020.57 F
14-10-00	29,988.90 F	18-04-00	37,391.12 F	21-10-00	44,793.81 F	25-04-00	52,196.83 F
14-11-00	30,165.14 F	18-05-00	37,567.36 F	21-11-00	44,970.07 F	25-05-00	52,373.10 F
15-00-00	30,341.39 F	18-06-00	37,743.60 F	22-00-00	45,146.34 F	25-06-00	52,549.36 F
15-01-00	30,517.63 F	18-07-00	37,919.84 F	22-01-00	45,322.60 F	25-07-00	52,725.62 F
15-02-00	30,693.87 F	18-08-00	38,096.09 F	22-02-00	45,498.86 F	25-08-00	52,901.88 F
15-03-00	30,870.12 F	18-09-00	38,272.33 F	22-03-00	45,675.12 F	25-09-00	53,078.14 F
15-04-00	31,046.36 F	18-10-00	38,448.57 F	22-04-00	45,851.39 F	25-10-00	53,254.41 F
15-05-00	31,222.60 F	18-11-00	38,624.82 F	22-05-00	46,027.65 F	25-11-00	53,430.67 F
15-06-00	31,398.85 F	19-00-00	38,801.06 F	22-06-00	46,203.91 F	26-00-00	53,606.93 F
15-07-00	31,575.09 F	19-01-00	38,977.30 F	22-07-00	46,380.17 F	26-01-00	53,783.19 F
15-08-00	31,751.33 F	19-02-00	39,153.55 F	22-08-00	46,556.44 F	26-02-00	53,959.46 F
15-09-00	31,927.58 F	19-03-00	39,329.79 F	22-09-00	46,732.70 F	26-03-00	54,135.72 F
15-10-00	32,103.82 F	19-04-00	39,506.03 F	22-10-00	46,908.96 F	26-04-00	54,311.98 F
15-11-00	32,280.06 F	19-05-00	39,682.28 F	22-11-00	47,085.22 F	26-05-00	54,488.24 F
16-00-00	32,456.31 F	19-06-00	39,858.52 F	23-00-00	47,261.49 F	26-06-00	54,664.51 F
16-01-00	32,632.55 F	19-07-00	40,034.76 F	23-01-00	47,437.75 F	26-07-00	54,840.77 F
16-02-00	32,808.79 F	19-08-00	40,211.01 F	23-02-00	47,614.01 F	26-08-00	55,017.03 F
16-03-00	32,985.04 F	19-09-00	40,387.25 F	23-03-00	47,790.27 F	26-09-00	55,193.29 F
16-04-00	33,161.28 F	19-10-00	40,563.51 F	23-04-00	47,966.54 F	26-10-00	55,369.56 F
16-05-00	33,337.52 F	19-11-00	40,739.78 F	23-05-00	48,142.80 F	26-11-00	55,545.82 F
16-06-00	33,513.76 F	20-00-00	40,916.04 F	23-06-00	48,319.06 F	27-00-00	55,722.08 F
16-07-00	33,690.01 F	20-01-00	41,092.30 F	23-07-00	48,495.32 F	27-01-00	55,898.34 F
16-08-00	33,866.25 F	20-02-00	41,268.56 F	23-08-00	48,671.58 F	27-02-00	56,074.61 F
16-09-00	34,042.49 F	20-03-00	41,444.83 F	23-09-00	48,847.85 F	27-03-00	56,250.87 F
16-10-00	34,218.74 F	20-04-00	41,621.09 F	23-10-00	49,024.11 F	27-04-00	56,427.13 F
16-11-00	34,394.98 F	20-05-00	41,797.35 F	23-11-00	49,200.37 F	27-05-00	56,603.39 F
17-00-00	34,571.22 F	20-06-00	41,973.61 F	24-00-00	49,376.63 F	27-06-00	56,779.66 F
17-01-00	34,747.47 F	20-07-00	42,149.88 F	24-01-00	49,552.90 F	27-07-00	56,955.92 F
17-02-00	34,923.71 F	20-08-00	42,326.14 F	24-02-00	49,729.16 F	27-08-00	57,132.18 F
17-03-00	35,099.95 F	20-09-00	42,502.40 F	24-03-00	49,905.42 F	27-09-00	57,308.44 F
17-04-00	35,276.20 F	20-10-00	42,678.66 F	24-04-00	50,081.68 F	27-10-00	57,484.70 F
17-05-00	35,452.44 F	20-11-00	42,854.93 F	24-05-00	50,257.95 F	27-11-00	57,660.97 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 **100-014** Tank Type **F** Roof Weight **133,280** API **10.00** Gravity Correction **2.70**
 Strapped By: HMT 8/8/2011 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	57,837.23 F	31-06-00	65,244.23 F	35-00-00	72,654.98 F	38-06-00	80,066.59 F
28-01-00	58,013.49 F	31-07-00	65,420.68 F	35-01-00	72,831.42 F	38-07-00	80,243.12 F
28-02-00	58,189.75 F	31-08-00	65,597.12 F	35-02-00	73,007.87 F	38-08-00	80,419.65 F
28-03-00	58,366.02 F	31-09-00	65,773.57 F	35-03-00	73,184.32 F	38-09-00	80,596.18 F
28-04-00	58,542.28 F	31-10-00	65,950.02 F	35-04-00	73,360.76 F	38-10-00	80,772.71 F
28-05-00	58,718.54 F	31-11-00	66,126.46 F	35-05-00	73,537.21 F	38-11-00	80,949.24 F
28-06-00	58,894.80 F	32-00-00	66,302.91 F	35-06-00	73,713.66 F	39-00-00	81,125.77 F
28-07-00	59,071.07 F	32-01-00	66,479.35 F	35-07-00	73,890.10 F	39-01-00	81,302.30 F
28-08-00	59,247.33 F	32-02-00	66,655.80 F	35-08-00	74,066.55 F	39-02-00	81,478.84 F
28-09-00	59,423.59 F	32-03-00	66,832.25 F	35-09-00	74,243.00 F	39-03-00	81,655.37 F
28-10-00	59,599.85 F	32-04-00	67,008.69 F	35-10-00	74,419.44 F	39-04-00	81,831.90 F
28-11-00	59,776.12 F	32-05-00	67,185.14 F	35-11-00	74,595.89 F	39-05-00	82,008.43 F
29-00-00	59,952.38 F	32-06-00	67,361.59 F	36-00-00	74,772.34 F	39-06-00	82,184.96 F
29-01-00	60,128.64 F	32-07-00	67,538.03 F	36-01-00	74,948.78 F	39-07-00	82,361.49 F
29-02-00	60,304.90 F	32-08-00	67,714.48 F	36-02-00	75,125.23 F	39-08-00	82,538.02 F
29-03-00	60,481.17 F	32-09-00	67,890.93 F	36-03-00	75,301.67 F	39-09-00	82,714.55 F
29-04-00	60,657.43 F	32-10-00	68,067.37 F	36-04-00	75,478.12 F	39-10-00	82,891.08 F
29-05-00	60,833.69 F	32-11-00	68,243.82 F	36-05-00	75,654.57 F	39-11-00	83,067.62 F
29-06-00	61,009.95 F	33-00-00	68,420.26 F	36-06-00	75,831.01 F	40-00-00	83,244.15 F
29-07-00	61,186.22 F	33-01-00	68,596.71 F	36-07-00	76,007.46 F	40-01-00	83,420.68 F
29-08-00	61,362.48 F	33-02-00	68,773.16 F	36-08-00	76,183.91 F	40-02-00	83,597.21 F
29-09-00	61,538.86 F	33-03-00	68,949.60 F	36-09-00	76,360.35 F	40-03-00	83,773.74 F
29-10-00	61,715.30 F	33-04-00	69,126.05 F	36-10-00	76,536.80 F	40-04-00	83,950.27 F
29-11-00	61,891.75 F	33-05-00	69,302.50 F	36-11-00	76,713.25 F	40-05-00	84,126.80 F
30-00-00	62,068.19 F	33-06-00	69,478.94 F	37-00-00	76,889.69 F	40-06-00	84,303.33 F
30-01-00	62,244.64 F	33-07-00	69,655.39 F	37-01-00	77,066.14 F	40-07-00	84,479.87 F
30-02-00	62,421.09 F	33-08-00	69,831.84 F	37-02-00	77,242.58 F	40-08-00	84,656.40 F
30-03-00	62,597.53 F	33-09-00	70,008.28 F	37-03-00	77,419.03 F	40-09-00	84,832.93 F
30-04-00	62,773.98 F	33-10-00	70,184.73 F	37-04-00	77,595.48 F	40-10-00	85,009.46 F
30-05-00	62,950.43 F	33-11-00	70,361.18 F	37-05-00	77,771.92 F	40-11-00	85,185.99 F
30-06-00	63,126.87 F	34-00-00	70,537.62 F	37-06-00	77,948.37 F	41-00-00	85,362.52 F
30-07-00	63,303.32 F	34-01-00	70,714.07 F	37-07-00	78,124.82 F	41-01-00	85,539.05 F
30-08-00	63,479.77 F	34-02-00	70,890.51 F	37-08-00	78,301.27 F	41-02-00	85,715.58 F
30-09-00	63,656.21 F	34-03-00	71,066.96 F	37-09-00	78,477.80 F	41-03-00	85,892.12 F
30-10-00	63,832.66 F	34-04-00	71,243.41 F	37-10-00	78,654.34 F	41-04-00	86,068.65 F
30-11-00	64,009.10 F	34-05-00	71,419.85 F	37-11-00	78,830.87 F	41-05-00	86,245.18 F
31-00-00	64,185.55 F	34-06-00	71,596.30 F	38-00-00	79,007.40 F	41-06-00	86,421.71 F
31-01-00	64,362.00 F	34-07-00	71,772.75 F	38-01-00	79,183.93 F	41-07-00	86,598.24 F
31-02-00	64,538.44 F	34-08-00	71,949.19 F	38-02-00	79,360.46 F	41-08-00	86,774.77 F
31-03-00	64,714.89 F	34-09-00	72,125.64 F	38-03-00	79,536.99 F	41-09-00	86,951.30 F
31-04-00	64,891.34 F	34-10-00	72,302.09 F	38-04-00	79,713.52 F	41-10-00	87,127.83 F
31-05-00	65,067.78 F	34-11-00	72,478.53 F	38-05-00	79,890.05 F	41-11-00	87,304.36 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 **100-014** Tank Type **F** Roof Weight **133,280** API **10.00** Gravity Correction **2.70**
 Strapped By: HMT 8/8/2011 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	87,480.90 F	45-06-00	94,895.21 F	49-00-00	102,312.67 F	52-06-00	109,730.24 F
42-01-00	87,657.43 F	45-07-00	95,071.74 F	49-01-00	102,489.28 F	52-07-00	109,906.85 F
42-02-00	87,833.96 F	45-08-00	95,248.32 F	49-02-00	102,665.89 F	52-08-00	110,083.46 F
42-03-00	88,010.49 F	45-09-00	95,424.93 F	49-03-00	102,842.50 F	52-09-00	110,260.07 F
42-04-00	88,187.02 F	45-10-00	95,601.54 F	49-04-00	103,019.10 F	52-10-00	110,436.67 F
42-05-00	88,363.55 F	45-11-00	95,778.14 F	49-05-00	103,195.71 F	52-11-00	110,613.28 F
42-06-00	88,540.08 F	46-00-00	95,954.75 F	49-06-00	103,372.32 F	53-00-00	110,789.89 F
42-07-00	88,716.61 F	46-01-00	96,131.36 F	49-07-00	103,548.93 F	53-01-00	110,966.50 F
42-08-00	88,893.15 F	46-02-00	96,307.97 F	49-08-00	103,725.54 F	53-02-00	111,143.11 F
42-09-00	89,069.68 F	46-03-00	96,484.58 F	49-09-00	103,902.15 F	53-03-00	111,319.72 F
42-10-00	89,246.21 F	46-04-00	96,661.19 F	49-10-00	104,078.76 F	53-04-00	111,496.33 F
42-11-00	89,422.74 F	46-05-00	96,837.80 F	49-11-00	104,255.37 F	53-05-00	111,672.94 F
43-00-00	89,599.27 F	46-06-00	97,014.41 F	50-00-00	104,431.98 F	53-06-00	111,849.54 F
43-01-00	89,775.80 F	46-07-00	97,191.01 F	50-01-00	104,608.58 F	53-07-00	112,026.15 F
43-02-00	89,952.33 F	46-08-00	97,367.62 F	50-02-00	104,785.19 F		
43-03-00	90,128.86 F	46-09-00	97,544.23 F	50-03-00	104,961.80 F		
43-04-00	90,305.40 F	46-10-00	97,720.84 F	50-04-00	105,138.41 F		
43-05-00	90,481.93 F	46-11-00	97,897.45 F	50-05-00	105,315.02 F		
43-06-00	90,658.46 F	47-00-00	98,074.06 F	50-06-00	105,491.63 F		
43-07-00	90,834.99 F	47-01-00	98,250.67 F	50-07-00	105,668.24 F		
43-08-00	91,011.52 F	47-02-00	98,427.28 F	50-08-00	105,844.85 F		
43-09-00	91,188.05 F	47-03-00	98,603.88 F	50-09-00	106,021.45 F		
43-10-00	91,364.58 F	47-04-00	98,780.49 F	50-10-00	106,198.06 F		
43-11-00	91,541.11 F	47-05-00	98,957.10 F	50-11-00	106,374.67 F		
44-00-00	91,717.64 F	47-06-00	99,133.71 F	51-00-00	106,551.28 F		
44-01-00	91,894.18 F	47-07-00	99,310.32 F	51-01-00	106,727.89 F		
44-02-00	92,070.71 F	47-08-00	99,486.93 F	51-02-00	106,904.50 F		
44-03-00	92,247.24 F	47-09-00	99,663.54 F	51-03-00	107,081.11 F		
44-04-00	92,423.77 F	47-10-00	99,840.15 F	51-04-00	107,257.72 F		
44-05-00	92,600.30 F	47-11-00	100,016.76 F	51-05-00	107,434.32 F		
44-06-00	92,776.83 F	48-00-00	100,193.36 F	51-06-00	107,610.93 F		
44-07-00	92,953.36 F	48-01-00	100,369.97 F	51-07-00	107,787.54 F		
44-08-00	93,129.89 F	48-02-00	100,546.58 F	51-08-00	107,964.15 F		
44-09-00	93,306.43 F	48-03-00	100,723.19 F	51-09-00	108,140.76 F		
44-10-00	93,482.96 F	48-04-00	100,899.80 F	51-10-00	108,317.37 F		
44-11-00	93,659.49 F	48-05-00	101,076.41 F	51-11-00	108,493.98 F		
45-00-00	93,836.02 F	48-06-00	101,253.02 F	52-00-00	108,670.59 F		
45-01-00	94,012.55 F	48-07-00	101,429.63 F	52-01-00	108,847.20 F		
45-02-00	94,189.08 F	48-08-00	101,606.23 F	52-02-00	109,023.80 F		
45-03-00	94,365.61 F	48-09-00	101,782.84 F	52-03-00	109,200.41 F		
45-04-00	94,542.14 F	48-10-00	101,959.45 F	52-04-00	109,377.02 F		
45-05-00	94,718.68 F	48-11-00	102,136.06 F	52-05-00	109,553.63 F		

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

BOLD DENOTES ROOF CRITICAL ZONE