

Tank ID **160-002** Tank Type **F** Roof Weight **230,197** API **10.00** Gravity Correction **4.66**
 Strapped By: HMT 2/26/2014 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	204.75	3-06-00	11,747.81	7-00-00	23,568.58 F	10-06-00	36,053.03 F
0-01-00	284.51	3-07-00	12,044.90	7-01-00	23,865.83 F	10-07-00	36,350.28 F
0-02-00	383.96	3-08-00	12,341.99	7-02-00	24,163.08 F	10-08-00	36,647.53 F
0-03-00	504.72	3-09-00	12,639.08	7-03-00	24,460.33 F	10-09-00	36,944.78 F
0-04-00	644.98	3-10-00	12,936.17	7-04-00	24,757.58 F	10-10-00	37,242.03 F
0-05-00	825.98	3-11-00	13,233.26	7-05-00	25,054.83 F	10-11-00	37,539.28 F
0-06-00	1,057.49	4-00-00	13,530.35	7-06-00	25,352.08 F	11-00-00	37,836.53 F
0-07-00	1,348.21	4-01-00	13,827.44	7-07-00	25,649.33 F	11-01-00	38,133.78 F
0-08-00	1,645.35	4-02-00	14,124.53	7-08-00	25,946.58 F	11-02-00	38,431.02 F
0-09-00	1,942.51	4-03-00	14,421.62	7-09-00	26,243.82 F	11-03-00	38,728.27 F
0-10-00	2,239.62	4-04-00	14,718.71 F	7-10-00	26,541.07 F	11-04-00	39,025.52 F
0-11-00	2,536.74	4-05-00	14,906.11 F	7-11-00	26,838.32 F	11-05-00	39,322.77 F
1-00-00	2,833.89	4-06-00	14,983.83 F	8-00-00	27,135.57 F	11-06-00	39,620.02 F
1-01-00	3,131.04	4-07-00	15,061.54 F	8-01-00	27,432.82 F	11-07-00	39,917.27 F
1-02-00	3,428.20	4-08-00	15,248.94 F	8-02-00	27,730.07 F	11-08-00	40,214.52 F
1-03-00	3,725.36	4-09-00	15,546.04 F	8-03-00	28,027.32 F	11-09-00	40,511.77 F
1-04-00	4,022.52	4-10-00	15,843.13 F	8-04-00	28,324.57 F	11-10-00	40,809.02 F
1-05-00	4,319.67	4-11-00	16,140.22 F	8-05-00	28,621.81 F	11-11-00	41,106.26 F
1-06-00	4,616.84	5-00-00	16,437.31 F	8-06-00	28,919.06 F	12-00-00	41,403.51 F
1-07-00	4,913.99	5-01-00	16,734.40 F	8-07-00	29,216.31 F	12-01-00	41,700.76 F
1-08-00	5,211.13	5-02-00	17,031.49 F	8-08-00	29,513.56 F	12-02-00	41,998.01 F
1-09-00	5,508.27	5-03-00	17,328.58 F	8-09-00	29,810.81 F	12-03-00	42,295.26 F
1-10-00	5,805.40	5-04-00	17,625.67 F	8-10-00	30,108.06 F	12-04-00	42,592.51 F
1-11-00	6,102.53	5-05-00	17,922.76 F	8-11-00	30,405.31 F	12-05-00	42,889.76 F
2-00-00	6,399.65	5-06-00	18,219.85 F	9-00-00	30,702.56 F	12-06-00	43,187.01 F
2-01-00	6,696.78	5-07-00	18,516.94 F	9-01-00	30,999.80 F	12-07-00	43,484.25 F
2-02-00	6,993.90	5-08-00	18,814.03 F	9-02-00	31,297.05 F	12-08-00	43,781.50 F
2-03-00	7,291.04	5-09-00	19,111.12 F	9-03-00	31,594.30 F	12-09-00	44,078.75 F
2-04-00	7,588.23	5-10-00	19,408.21 F	9-04-00	31,891.55 F	12-10-00	44,376.00 F
2-05-00	7,885.37	5-11-00	19,705.30 F	9-05-00	32,188.80 F	12-11-00	44,673.25 F
2-06-00	8,182.50	6-00-00	20,002.39 F	9-06-00	32,486.05 F	13-00-00	44,970.50 F
2-07-00	8,479.64	6-01-00	20,299.48 F	9-07-00	32,783.30 F	13-01-00	45,267.75 F
2-08-00	8,776.78	6-02-00	20,596.57 F	9-08-00	33,080.55 F	13-02-00	45,565.00 F
2-09-00	9,073.91	6-03-00	20,893.66 F	9-09-00	33,377.80 F	13-03-00	45,862.24 F
2-10-00	9,371.05	6-04-00	21,190.75 F	9-10-00	33,675.04 F	13-04-00	46,159.49 F
2-11-00	9,668.17	6-05-00	21,487.84 F	9-11-00	33,972.29 F	13-05-00	46,456.74 F
3-00-00	9,965.26	6-06-00	21,785.09 F	10-00-00	34,269.54 F	13-06-00	46,753.99 F
3-01-00	10,262.36	6-07-00	22,082.34 F	10-01-00	34,566.79 F	13-07-00	47,051.24 F
3-02-00	10,559.45	6-08-00	22,379.59 F	10-02-00	34,864.04 F	13-08-00	47,348.49 F
3-03-00	10,856.54	6-09-00	22,676.84 F	10-03-00	35,161.29 F	13-09-00	47,645.74 F
3-04-00	11,153.63	6-10-00	22,974.09 F	10-04-00	35,458.54 F	13-10-00	47,942.99 F
3-05-00	11,450.72	6-11-00	23,271.34 F	10-05-00	35,755.79 F	13-11-00	48,240.24 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 **160-002** Tank Type **F** Roof Weight **230,197** API **10.00** Gravity Correction **4.66**
 Strapped By: HMT 2/26/2014 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	48,537.48 F	17-06-00	61,026.26 F	21-00-00	73,516.05 F	24-06-00	86,008.23 F
14-01-00	48,834.73 F	17-07-00	61,323.63 F	21-01-00	73,813.43 F	24-07-00	86,305.73 F
14-02-00	49,131.98 F	17-08-00	61,621.01 F	21-02-00	74,110.80 F	24-08-00	86,603.23 F
14-03-00	49,429.23 F	17-09-00	61,918.39 F	21-03-00	74,408.18 F	24-09-00	86,900.73 F
14-04-00	49,726.48 F	17-10-00	62,215.76 F	21-04-00	74,705.55 F	24-10-00	87,198.24 F
14-05-00	50,023.73 F	17-11-00	62,513.14 F	21-05-00	75,002.93 F	24-11-00	87,495.74 F
14-06-00	50,320.98 F	18-00-00	62,810.51 F	21-06-00	75,300.31 F	25-00-00	87,793.24 F
14-07-00	50,618.23 F	18-01-00	63,107.89 F	21-07-00	75,597.68 F	25-01-00	88,090.74 F
14-08-00	50,915.47 F	18-02-00	63,405.27 F	21-08-00	75,895.06 F	25-02-00	88,388.24 F
14-09-00	51,212.85 F	18-03-00	63,702.64 F	21-09-00	76,192.43 F	25-03-00	88,685.74 F
14-10-00	51,510.23 F	18-04-00	64,000.02 F	21-10-00	76,489.81 F	25-04-00	88,983.24 F
14-11-00	51,807.60 F	18-05-00	64,297.39 F	21-11-00	76,787.19 F	25-05-00	89,280.75 F
15-00-00	52,104.98 F	18-06-00	64,594.77 F	22-00-00	77,084.56 F	25-06-00	89,578.25 F
15-01-00	52,402.35 F	18-07-00	64,892.15 F	22-01-00	77,381.94 F	25-07-00	89,875.75 F
15-02-00	52,699.73 F	18-08-00	65,189.52 F	22-02-00	77,679.31 F	25-08-00	90,173.25 F
15-03-00	52,997.11 F	18-09-00	65,486.90 F	22-03-00	77,976.69 F	25-09-00	90,470.75 F
15-04-00	53,294.48 F	18-10-00	65,784.27 F	22-04-00	78,274.07 F	25-10-00	90,768.25 F
15-05-00	53,591.86 F	18-11-00	66,081.65 F	22-05-00	78,571.44 F	25-11-00	91,065.76 F
15-06-00	53,889.23 F	19-00-00	66,379.03 F	22-06-00	78,868.82 F	26-00-00	91,363.26 F
15-07-00	54,186.61 F	19-01-00	66,676.40 F	22-07-00	79,166.19 F	26-01-00	91,660.76 F
15-08-00	54,483.99 F	19-02-00	66,973.78 F	22-08-00	79,463.57 F	26-02-00	91,958.26 F
15-09-00	54,781.36 F	19-03-00	67,271.15 F	22-09-00	79,760.95 F	26-03-00	92,255.76 F
15-10-00	55,078.74 F	19-04-00	67,568.53 F	22-10-00	80,058.32 F	26-04-00	92,553.26 F
15-11-00	55,376.11 F	19-05-00	67,865.91 F	22-11-00	80,355.70 F	26-05-00	92,850.77 F
16-00-00	55,673.49 F	19-06-00	68,163.28 F	23-00-00	80,653.20 F	26-06-00	93,148.27 F
16-01-00	55,970.87 F	19-07-00	68,460.66 F	23-01-00	80,950.70 F	26-07-00	93,445.77 F
16-02-00	56,268.24 F	19-08-00	68,758.03 F	23-02-00	81,248.20 F	26-08-00	93,743.27 F
16-03-00	56,565.62 F	19-09-00	69,055.41 F	23-03-00	81,545.70 F	26-09-00	94,040.77 F
16-04-00	56,862.99 F	19-10-00	69,352.79 F	23-04-00	81,843.21 F	26-10-00	94,338.27 F
16-05-00	57,160.37 F	19-11-00	69,650.16 F	23-05-00	82,140.71 F	26-11-00	94,635.78 F
16-06-00	57,457.75 F	20-00-00	69,947.54 F	23-06-00	82,438.21 F	27-00-00	94,933.28 F
16-07-00	57,755.12 F	20-01-00	70,244.91 F	23-07-00	82,735.71 F	27-01-00	95,230.78 F
16-08-00	58,052.50 F	20-02-00	70,542.29 F	23-08-00	83,033.21 F	27-02-00	95,528.28 F
16-09-00	58,349.87 F	20-03-00	70,839.67 F	23-09-00	83,330.71 F	27-03-00	95,825.78 F
16-10-00	58,647.25 F	20-04-00	71,137.04 F	23-10-00	83,628.22 F	27-04-00	96,123.28 F
16-11-00	58,944.63 F	20-05-00	71,434.42 F	23-11-00	83,925.72 F	27-05-00	96,420.78 F
17-00-00	59,242.00 F	20-06-00	71,731.79 F	24-00-00	84,223.22 F	27-06-00	96,718.29 F
17-01-00	59,539.38 F	20-07-00	72,029.17 F	24-01-00	84,520.72 F	27-07-00	97,015.79 F
17-02-00	59,836.75 F	20-08-00	72,326.55 F	24-02-00	84,818.22 F	27-08-00	97,313.29 F
17-03-00	60,134.13 F	20-09-00	72,623.92 F	24-03-00	85,115.72 F	27-09-00	97,610.79 F
17-04-00	60,431.51 F	20-10-00	72,921.30 F	24-04-00	85,413.23 F	27-10-00	97,908.29 F
17-05-00	60,728.88 F	20-11-00	73,218.67 F	24-05-00	85,710.73 F	27-11-00	98,205.79 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 **160-002** Tank Type **F** Roof Weight **230,197** API **10.00** Gravity Correction **4.66**
 Strapped By: HMT 2/26/2014 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	98,503.30 F	31-06-00	110,999.16 F	35-00-00	123,502.63 F	38-06-00	136,006.10 F
28-01-00	98,800.80 F	31-07-00	111,296.86 F	35-01-00	123,800.33 F	38-07-00	136,303.80 F
28-02-00	99,098.30 F	31-08-00	111,594.57 F	35-02-00	124,098.03 F	38-08-00	136,601.50 F
28-03-00	99,395.80 F	31-09-00	111,892.27 F	35-03-00	124,395.74 F	38-09-00	136,899.20 F
28-04-00	99,693.30 F	31-10-00	112,189.97 F	35-04-00	124,693.44 F	38-10-00	137,196.90 F
28-05-00	99,990.80 F	31-11-00	112,487.67 F	35-05-00	124,991.14 F	38-11-00	137,494.61 F
28-06-00	100,288.31 F	32-00-00	112,785.37 F	35-06-00	125,288.84 F	39-00-00	137,792.31 F
28-07-00	100,585.81 F	32-01-00	113,083.07 F	35-07-00	125,586.54 F	39-01-00	138,090.01 F
28-08-00	100,883.31 F	32-02-00	113,380.78 F	35-08-00	125,884.24 F	39-02-00	138,387.71 F
28-09-00	101,180.81 F	32-03-00	113,678.48 F	35-09-00	126,181.94 F	39-03-00	138,685.41 F
28-10-00	101,478.31 F	32-04-00	113,976.18 F	35-10-00	126,479.65 F	39-04-00	138,983.11 F
28-11-00	101,775.81 F	32-05-00	114,273.88 F	35-11-00	126,777.35 F	39-05-00	139,280.82 F
29-00-00	102,073.32 F	32-06-00	114,571.58 F	36-00-00	127,075.05 F	39-06-00	139,578.51 F
29-01-00	102,370.82 F	32-07-00	114,869.28 F	36-01-00	127,372.75 F	39-07-00	139,876.21 F
29-02-00	102,668.32 F	32-08-00	115,166.99 F	36-02-00	127,670.45 F	39-08-00	140,173.91 F
29-03-00	102,965.82 F	32-09-00	115,464.69 F	36-03-00	127,968.15 F	39-09-00	140,471.61 F
29-04-00	103,263.32 F	32-10-00	115,762.39 F	36-04-00	128,265.86 F	39-10-00	140,769.31 F
29-05-00	103,560.82 F	32-11-00	116,060.09 F	36-05-00	128,563.56 F	39-11-00	141,067.01 F
29-06-00	103,858.32 F	33-00-00	116,357.79 F	36-06-00	128,861.26 F	40-00-00	141,364.71 F
29-07-00	104,155.83 F	33-01-00	116,655.49 F	36-07-00	129,158.96 F	40-01-00	141,662.41 F
29-08-00	104,453.33 F	33-02-00	116,953.20 F	36-08-00	129,456.66 F	40-02-00	141,960.11 F
29-09-00	104,750.83 F	33-03-00	117,250.90 F	36-09-00	129,754.36 F	40-03-00	142,257.81 F
29-10-00	105,048.33 F	33-04-00	117,548.60 F	36-10-00	130,052.07 F	40-04-00	142,555.51 F
29-11-00	105,345.83 F	33-05-00	117,846.30 F	36-11-00	130,349.77 F	40-05-00	142,853.21 F
30-00-00	105,643.33 F	33-06-00	118,144.00 F	37-00-00	130,647.47 F	40-06-00	143,150.91 F
30-01-00	105,940.84 F	33-07-00	118,441.70 F	37-01-00	130,945.17 F	40-07-00	143,448.61 F
30-02-00	106,238.34 F	33-08-00	118,739.40 F	37-02-00	131,242.87 F	40-08-00	143,746.31 F
30-03-00	106,535.84 F	33-09-00	119,037.11 F	37-03-00	131,540.57 F	40-09-00	144,044.01 F
30-04-00	106,833.34 F	33-10-00	119,334.81 F	37-04-00	131,838.28 F	40-10-00	144,341.71 F
30-05-00	107,130.84 F	33-11-00	119,632.51 F	37-05-00	132,135.98 F	40-11-00	144,639.41 F
30-06-00	107,428.34 F	34-00-00	119,930.21 F	37-06-00	132,433.68 F	41-00-00	144,937.11 F
30-07-00	107,725.85 F	34-01-00	120,227.91 F	37-07-00	132,731.38 F	41-01-00	145,234.81 F
30-08-00	108,023.35 F	34-02-00	120,525.61 F	37-08-00	133,029.08 F	41-02-00	145,532.51 F
30-09-00	108,320.85 F	34-03-00	120,823.32 F	37-09-00	133,326.78 F	41-03-00	145,830.21 F
30-10-00	108,618.35 F	34-04-00	121,121.02 F	37-10-00	133,624.48 F	41-04-00	146,127.91 F
30-11-00	108,915.85 F	34-05-00	121,418.72 F	37-11-00	133,922.19 F	41-05-00	146,425.61 F
31-00-00	109,213.35 F	34-06-00	121,716.42 F	38-00-00	134,219.89 F	41-06-00	146,723.31 F
31-01-00	109,510.86 F	34-07-00	122,014.12 F	38-01-00	134,517.59 F	41-07-00	147,021.01 F
31-02-00	109,808.36 F	34-08-00	122,311.82 F	38-02-00	134,815.29 F	41-08-00	147,318.71 F
31-03-00	110,106.06 F	34-09-00	122,609.53 F	38-03-00	135,112.99 F	41-09-00	147,616.41 F
31-04-00	110,403.76 F	34-10-00	122,907.23 F	38-04-00	135,410.69 F	41-10-00	147,914.11 F
31-05-00	110,701.46 F	34-11-00	123,204.93 F	38-05-00	135,708.40 F	41-11-00	148,211.81 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 **160-002** Tank Type **F** Roof Weight **230,197** API **10.00** Gravity Correction **4.66**
 Strapped By: HMT 2/26/2014 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	148,518.74 F	45-06-00	161,034.64 F				
42-01-00	148,816.74 F	45-07-00	161,332.64 F				
42-02-00	149,114.74 F	45-08-00	161,630.64 F				
42-03-00	149,412.73 F	45-09-00	161,928.63 F				
42-04-00	149,710.73 F	45-10-00	162,226.63 F				
42-05-00	150,008.73 F	45-11-00	162,524.63 F				
42-06-00	150,306.73 F	46-00-00	162,822.63 F				
42-07-00	150,604.72 F	46-01-00	163,120.62 F				
42-08-00	150,902.72 F	46-02-00	163,418.62 F				
42-09-00	151,200.72 F	46-03-00	163,716.62 F				
42-10-00	151,498.72 F	46-04-00	164,014.62 F				
42-11-00	151,796.71 F	46-05-00	164,312.61 F				
43-00-00	152,094.71 F	46-06-00	164,610.61 F				
43-01-00	152,392.71 F	46-07-00	164,908.61 F				
43-02-00	152,690.71 F	46-08-00	165,206.61 F				
43-03-00	152,988.70 F	46-09-00	165,504.60 F				
43-04-00	153,286.70 F	46-10-00	165,802.60 F				
43-05-00	153,584.70 F	46-11-00	166,100.60 F				
43-06-00	153,882.70 F	47-00-00	166,398.60 F				
43-07-00	154,180.70 F	47-01-00	166,696.59 F				
43-08-00	154,478.69 F	47-02-00	166,994.59 F				
43-09-00	154,776.69 F	47-03-00	167,292.59 F				
43-10-00	155,074.69 F	47-04-00	167,590.59 F				
43-11-00	155,372.69 F						
44-00-00	155,670.68 F						
44-01-00	155,968.68 F						
44-02-00	156,266.68 F						
44-03-00	156,564.68 F						
44-04-00	156,862.67 F						
44-05-00	157,160.67 F						
44-06-00	157,458.67 F						
44-07-00	157,756.67 F						
44-08-00	158,054.66 F						
44-09-00	158,352.66 F						
44-10-00	158,650.66 F						
44-11-00	158,948.66 F						
45-00-00	159,246.65 F						
45-01-00	159,544.65 F						
45-02-00	159,842.65 F						
45-03-00	160,140.65 F						
45-04-00	160,438.64 F						
45-05-00	160,736.64 F						

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

BOLD DENOTES ROOF CRITICAL ZONE