

Tank ID **100-020** Tank Type **F** Roof Weight **132,380** API **10.00** Gravity Correction **2.68**
 Strapped By: HMT 7/19/2013 Floating Height **4-10-00**

<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	19.52	3-06-00	6,444.56	7-00-00	13,469.57 F	10-06-00	20,873.50 F
0-01-00	43.65	3-07-00	6,620.86	7-01-00	13,645.84 F	10-07-00	21,049.86 F
0-02-00	75.56	3-08-00	6,797.16	7-02-00	13,822.10 F	10-08-00	21,226.22 F
0-03-00	115.72	3-09-00	6,973.46	7-03-00	13,998.37 F	10-09-00	21,402.58 F
0-04-00	166.86	3-10-00	7,149.76	7-04-00	14,174.63 F	10-10-00	21,578.94 F
0-05-00	231.15	3-11-00	7,326.06	7-05-00	14,350.90 F	10-11-00	21,755.30 F
0-06-00	308.63	4-00-00	7,502.36	7-06-00	14,527.16 F	11-00-00	21,931.66 F
0-07-00	405.02	4-01-00	7,678.66	7-07-00	14,703.43 F	11-01-00	22,108.02 F
0-08-00	518.04	4-02-00	7,854.96	7-08-00	14,879.69 F	11-02-00	22,284.38 F
0-09-00	650.74	4-03-00	8,031.26	7-09-00	15,055.95 F	11-03-00	22,460.74 F
0-10-00	808.17	4-04-00	8,207.56	7-10-00	15,232.22 F	11-04-00	22,637.11 F
0-11-00	980.54	4-05-00	8,383.83	7-11-00	15,408.48 F	11-05-00	22,813.47 F
1-00-00	1,156.78	4-06-00	8,560.10	8-00-00	15,584.75 F	11-06-00	22,989.83 F
1-01-00	1,333.02	4-07-00	8,736.36	8-01-00	15,761.01 F	11-07-00	23,166.19 F
1-02-00	1,509.27	4-08-00	8,912.63	8-02-00	15,937.28 F	11-08-00	23,342.55 F
1-03-00	1,685.51	4-09-00	9,088.89	8-03-00	16,113.54 F	11-09-00	23,518.91 F
1-04-00	1,861.75	4-10-00	9,265.16 F	8-04-00	16,289.81 F	11-10-00	23,695.27 F
1-05-00	2,037.97	4-11-00	9,362.57 F	8-05-00	16,466.07 F	11-11-00	23,871.63 F
1-06-00	2,214.17	5-00-00	9,412.68 F	8-06-00	16,642.34 F	12-00-00	24,047.99 F
1-07-00	2,390.38	5-01-00	9,462.79 F	8-07-00	16,818.60 F	12-01-00	24,224.35 F
1-08-00	2,566.59	5-02-00	9,591.75 F	8-08-00	16,994.87 F	12-02-00	24,400.71 F
1-09-00	2,742.80	5-03-00	9,768.01 F	8-09-00	17,171.13 F	12-03-00	24,577.07 F
1-10-00	2,919.02	5-04-00	9,944.28 F	8-10-00	17,347.40 F	12-04-00	24,753.43 F
1-11-00	3,095.24	5-05-00	10,120.54 F	8-11-00	17,523.66 F	12-05-00	24,929.80 F
2-00-00	3,271.46	5-06-00	10,296.81 F	9-00-00	17,699.93 F	12-06-00	25,106.16 F
2-01-00	3,447.69	5-07-00	10,473.07 F	9-01-00	17,876.19 F	12-07-00	25,282.52 F
2-02-00	3,623.93	5-08-00	10,649.33 F	9-02-00	18,052.46 F	12-08-00	25,458.88 F
2-03-00	3,800.16	5-09-00	10,825.60 F	9-03-00	18,228.72 F	12-09-00	25,635.24 F
2-04-00	3,976.38	5-10-00	11,001.86 F	9-04-00	18,404.99 F	12-10-00	25,811.60 F
2-05-00	4,152.66	5-11-00	11,178.13 F	9-05-00	18,581.25 F	12-11-00	25,987.96 F
2-06-00	4,328.96	6-00-00	11,354.39 F	9-06-00	18,757.52 F	13-00-00	26,164.32 F
2-07-00	4,505.26	6-01-00	11,530.66 F	9-07-00	18,933.78 F	13-01-00	26,340.68 F
2-08-00	4,681.56	6-02-00	11,706.92 F	9-08-00	19,110.05 F	13-02-00	26,517.04 F
2-09-00	4,857.86	6-03-00	11,883.19 F	9-09-00	19,286.31 F	13-03-00	26,693.40 F
2-10-00	5,034.16	6-04-00	12,059.45 F	9-10-00	19,462.61 F	13-04-00	26,869.76 F
2-11-00	5,210.46	6-05-00	12,235.72 F	9-11-00	19,638.97 F	13-05-00	27,046.13 F
3-00-00	5,386.76	6-06-00	12,411.98 F	10-00-00	19,815.33 F	13-06-00	27,222.49 F
3-01-00	5,563.06	6-07-00	12,588.25 F	10-01-00	19,991.69 F	13-07-00	27,398.85 F
3-02-00	5,739.36	6-08-00	12,764.51 F	10-02-00	20,168.05 F	13-08-00	27,575.21 F
3-03-00	5,915.66	6-09-00	12,940.78 F	10-03-00	20,344.41 F	13-09-00	27,751.57 F
3-04-00	6,091.96	6-10-00	13,117.04 F	10-04-00	20,520.78 F	13-10-00	27,927.93 F
3-05-00	6,268.26	6-11-00	13,293.31 F	10-05-00	20,697.14 F	13-11-00	28,104.29 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 **100-020** Tank Type **F** Roof Weight **132,380** API **10.00** Gravity Correction **2.68**
 Strapped By: **HMT** 7/19/2013 Floating Height **4-10-00**

<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	28,280.65 F	17-06-00	35,687.80 F	21-00-00	43,096.57 F	24-06-00	50,508.12 F
14-01-00	28,457.01 F	17-07-00	35,864.17 F	21-01-00	43,273.04 F	24-07-00	50,684.59 F
14-02-00	28,633.37 F	17-08-00	36,040.53 F	21-02-00	43,449.50 F	24-08-00	50,861.06 F
14-03-00	28,809.73 F	17-09-00	36,216.89 F	21-03-00	43,625.97 F	24-09-00	51,037.52 F
14-04-00	28,986.09 F	17-10-00	36,393.25 F	21-04-00	43,802.43 F	24-10-00	51,213.99 F
14-05-00	29,162.45 F	17-11-00	36,569.61 F	21-05-00	43,978.90 F	24-11-00	51,390.45 F
14-06-00	29,338.82 F	18-00-00	36,745.97 F	21-06-00	44,155.36 F	25-00-00	51,566.92 F
14-07-00	29,515.18 F	18-01-00	36,922.33 F	21-07-00	44,331.83 F	25-01-00	51,743.38 F
14-08-00	29,691.54 F	18-02-00	37,098.69 F	21-08-00	44,508.29 F	25-02-00	51,919.85 F
14-09-00	29,867.90 F	18-03-00	37,275.05 F	21-09-00	44,684.76 F	25-03-00	52,096.32 F
14-10-00	30,044.26 F	18-04-00	37,451.41 F	21-10-00	44,861.23 F	25-04-00	52,272.78 F
14-11-00	30,220.62 F	18-05-00	37,627.77 F	21-11-00	45,037.69 F	25-05-00	52,449.25 F
15-00-00	30,396.98 F	18-06-00	37,804.13 F	22-00-00	45,214.16 F	25-06-00	52,625.71 F
15-01-00	30,573.34 F	18-07-00	37,980.49 F	22-01-00	45,390.62 F	25-07-00	52,802.18 F
15-02-00	30,749.70 F	18-08-00	38,156.86 F	22-02-00	45,567.09 F	25-08-00	52,978.64 F
15-03-00	30,926.06 F	18-09-00	38,333.22 F	22-03-00	45,743.55 F	25-09-00	53,155.11 F
15-04-00	31,102.42 F	18-10-00	38,509.58 F	22-04-00	45,920.02 F	25-10-00	53,331.57 F
15-05-00	31,278.78 F	18-11-00	38,685.94 F	22-05-00	46,096.48 F	25-11-00	53,508.04 F
15-06-00	31,455.15 F	19-00-00	38,862.30 F	22-06-00	46,272.95 F	26-00-00	53,684.51 F
15-07-00	31,631.51 F	19-01-00	39,038.66 F	22-07-00	46,449.42 F	26-01-00	53,860.97 F
15-08-00	31,807.87 F	19-02-00	39,215.02 F	22-08-00	46,625.88 F	26-02-00	54,037.44 F
15-09-00	31,984.23 F	19-03-00	39,391.38 F	22-09-00	46,802.35 F	26-03-00	54,213.90 F
15-10-00	32,160.59 F	19-04-00	39,567.74 F	22-10-00	46,978.81 F	26-04-00	54,390.37 F
15-11-00	32,336.95 F	19-05-00	39,744.10 F	22-11-00	47,155.28 F	26-05-00	54,566.83 F
16-00-00	32,513.31 F	19-06-00	39,920.46 F	23-00-00	47,331.74 F	26-06-00	54,743.30 F
16-01-00	32,689.67 F	19-07-00	40,096.82 F	23-01-00	47,508.21 F	26-07-00	54,919.76 F
16-02-00	32,866.03 F	19-08-00	40,273.19 F	23-02-00	47,684.68 F	26-08-00	55,096.23 F
16-03-00	33,042.39 F	19-09-00	40,449.59 F	23-03-00	47,861.14 F	26-09-00	55,272.70 F
16-04-00	33,218.75 F	19-10-00	40,626.05 F	23-04-00	48,037.61 F	26-10-00	55,449.16 F
16-05-00	33,395.11 F	19-11-00	40,802.52 F	23-05-00	48,214.07 F	26-11-00	55,625.63 F
16-06-00	33,571.47 F	20-00-00	40,978.98 F	23-06-00	48,390.54 F	27-00-00	55,802.09 F
16-07-00	33,747.84 F	20-01-00	41,155.45 F	23-07-00	48,567.00 F	27-01-00	55,978.56 F
16-08-00	33,924.20 F	20-02-00	41,331.91 F	23-08-00	48,743.47 F	27-02-00	56,155.02 F
16-09-00	34,100.56 F	20-03-00	41,508.38 F	23-09-00	48,919.93 F	27-03-00	56,331.49 F
16-10-00	34,276.92 F	20-04-00	41,684.84 F	23-10-00	49,096.40 F	27-04-00	56,507.96 F
16-11-00	34,453.28 F	20-05-00	41,861.31 F	23-11-00	49,272.87 F	27-05-00	56,684.42 F
17-00-00	34,629.64 F	20-06-00	42,037.78 F	24-00-00	49,449.33 F	27-06-00	56,860.89 F
17-01-00	34,806.00 F	20-07-00	42,214.24 F	24-01-00	49,625.80 F	27-07-00	57,037.35 F
17-02-00	34,982.36 F	20-08-00	42,390.71 F	24-02-00	49,802.26 F	27-08-00	57,213.82 F
17-03-00	35,158.72 F	20-09-00	42,567.17 F	24-03-00	49,978.73 F	27-09-00	57,390.28 F
17-04-00	35,335.08 F	20-10-00	42,743.64 F	24-04-00	50,155.19 F	27-10-00	57,566.75 F
17-05-00	35,511.44 F	20-11-00	42,920.10 F	24-05-00	50,331.66 F	27-11-00	57,743.21 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 **100-020** Tank Type **F** Roof Weight **132,380** API **10.00** Gravity Correction **2.68**
 Strapped By: HMT 7/19/2013 Floating Height **4-10-00**

<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	57,919.68 F	31-06-00	65,335.09 F	35-00-00	72,753.03 F	38-06-00	80,170.97 F
28-01-00	58,096.15 F	31-07-00	65,511.71 F	35-01-00	72,929.65 F	38-07-00	80,347.59 F
28-02-00	58,272.61 F	31-08-00	65,688.33 F	35-02-00	73,106.27 F	38-08-00	80,524.21 F
28-03-00	58,449.08 F	31-09-00	65,864.94 F	35-03-00	73,282.88 F	38-09-00	80,700.82 F
28-04-00	58,625.54 F	31-10-00	66,041.56 F	35-04-00	73,459.50 F	38-10-00	80,877.44 F
28-05-00	58,802.01 F	31-11-00	66,218.18 F	35-05-00	73,636.12 F	38-11-00	81,054.06 F
28-06-00	58,978.47 F	32-00-00	66,394.80 F	35-06-00	73,812.74 F	39-00-00	81,230.68 F
28-07-00	59,154.94 F	32-01-00	66,571.42 F	35-07-00	73,989.35 F	39-01-00	81,407.34 F
28-08-00	59,331.40 F	32-02-00	66,748.03 F	35-08-00	74,165.97 F	39-02-00	81,584.09 F
28-09-00	59,507.87 F	32-03-00	66,924.65 F	35-09-00	74,342.59 F	39-03-00	81,760.83 F
28-10-00	59,684.34 F	32-04-00	67,101.27 F	35-10-00	74,519.21 F	39-04-00	81,937.58 F
28-11-00	59,860.80 F	32-05-00	67,277.89 F	35-11-00	74,695.82 F	39-05-00	82,114.33 F
29-00-00	60,037.27 F	32-06-00	67,454.50 F	36-00-00	74,872.44 F	39-06-00	82,291.07 F
29-01-00	60,213.73 F	32-07-00	67,631.12 F	36-01-00	75,049.06 F	39-07-00	82,467.82 F
29-02-00	60,390.20 F	32-08-00	67,807.74 F	36-02-00	75,225.68 F	39-08-00	82,644.57 F
29-03-00	60,566.66 F	32-09-00	67,984.36 F	36-03-00	75,402.30 F	39-09-00	82,821.31 F
29-04-00	60,743.13 F	32-10-00	68,160.97 F	36-04-00	75,578.91 F	39-10-00	82,998.06 F
29-05-00	60,919.65 F	32-11-00	68,337.59 F	36-05-00	75,755.53 F	39-11-00	83,174.81 F
29-06-00	61,096.27 F	33-00-00	68,514.21 F	36-06-00	75,932.15 F	40-00-00	83,351.55 F
29-07-00	61,272.89 F	33-01-00	68,690.83 F	36-07-00	76,108.77 F	40-01-00	83,528.30 F
29-08-00	61,449.50 F	33-02-00	68,867.44 F	36-08-00	76,285.38 F	40-02-00	83,705.05 F
29-09-00	61,626.12 F	33-03-00	69,044.06 F	36-09-00	76,462.00 F	40-03-00	83,881.79 F
29-10-00	61,802.74 F	33-04-00	69,220.68 F	36-10-00	76,638.62 F	40-04-00	84,058.54 F
29-11-00	61,979.36 F	33-05-00	69,397.30 F	36-11-00	76,815.24 F	40-05-00	84,235.28 F
30-00-00	62,155.98 F	33-06-00	69,573.91 F	37-00-00	76,991.85 F	40-06-00	84,412.03 F
30-01-00	62,332.59 F	33-07-00	69,750.53 F	37-01-00	77,168.47 F	40-07-00	84,588.78 F
30-02-00	62,509.21 F	33-08-00	69,927.15 F	37-02-00	77,345.09 F	40-08-00	84,765.52 F
30-03-00	62,685.83 F	33-09-00	70,103.77 F	37-03-00	77,521.71 F	40-09-00	84,942.27 F
30-04-00	62,862.45 F	33-10-00	70,280.38 F	37-04-00	77,698.32 F	40-10-00	85,119.02 F
30-05-00	63,039.06 F	33-11-00	70,457.00 F	37-05-00	77,874.94 F	40-11-00	85,295.76 F
30-06-00	63,215.68 F	34-00-00	70,633.62 F	37-06-00	78,051.56 F	41-00-00	85,472.51 F
30-07-00	63,392.30 F	34-01-00	70,810.24 F	37-07-00	78,228.18 F	41-01-00	85,649.26 F
30-08-00	63,568.92 F	34-02-00	70,986.86 F	37-08-00	78,404.79 F	41-02-00	85,826.00 F
30-09-00	63,745.53 F	34-03-00	71,163.47 F	37-09-00	78,581.41 F	41-03-00	86,002.75 F
30-10-00	63,922.15 F	34-04-00	71,340.09 F	37-10-00	78,758.03 F	41-04-00	86,179.49 F
30-11-00	64,098.77 F	34-05-00	71,516.71 F	37-11-00	78,934.65 F	41-05-00	86,356.24 F
31-00-00	64,275.39 F	34-06-00	71,693.33 F	38-00-00	79,111.26 F	41-06-00	86,532.99 F
31-01-00	64,452.00 F	34-07-00	71,869.94 F	38-01-00	79,287.88 F	41-07-00	86,709.73 F
31-02-00	64,628.62 F	34-08-00	72,046.56 F	38-02-00	79,464.50 F	41-08-00	86,886.48 F
31-03-00	64,805.24 F	34-09-00	72,223.18 F	38-03-00	79,641.12 F	41-09-00	87,063.23 F
31-04-00	64,981.86 F	34-10-00	72,399.80 F	38-04-00	79,817.74 F	41-10-00	87,239.97 F
31-05-00	65,158.47 F	34-11-00	72,576.41 F	38-05-00	79,994.35 F	41-11-00	87,416.72 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 **100-020** Tank Type **F** Roof Weight **132,380** API **10.00** Gravity Correction **2.68**
 Strapped By: HMT 7/19/2013 Floating Height **4-10-00**

<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	87,593.47 F	45-06-00	95,016.81 F	49-00-00	102,440.51 F	52-06-00	109,868.16 F
42-01-00	87,770.21 F	45-07-00	95,193.56 F	49-01-00	102,617.36 F	52-07-00	110,045.01 F
42-02-00	87,946.96 F	45-08-00	95,370.31 F	49-02-00	102,794.21 F	52-08-00	110,221.86 F
42-03-00	88,123.71 F	45-09-00	95,547.05 F	49-03-00	102,971.06 F	52-09-00	110,398.71 F
42-04-00	88,300.45 F	45-10-00	95,723.80 F	49-04-00	103,147.90 F	52-10-00	110,575.55 F
42-05-00	88,477.20 F	45-11-00	95,900.55 F	49-05-00	103,324.75 F	52-11-00	110,752.40 F
42-06-00	88,653.94 F	46-00-00	96,077.29 F	49-06-00	103,501.60 F	53-00-00	110,929.25 F
42-07-00	88,830.69 F	46-01-00	96,254.04 F	49-07-00	103,678.45 F	53-01-00	111,106.10 F
42-08-00	89,007.44 F	46-02-00	96,430.79 F	49-08-00	103,855.30 F	53-02-00	111,282.95 F
42-09-00	89,184.18 F	46-03-00	96,607.53 F	49-09-00	104,032.15 F	53-03-00	111,459.80 F
42-10-00	89,360.93 F	46-04-00	96,784.28 F	49-10-00	104,209.00 F	53-04-00	111,636.65 F
42-11-00	89,537.68 F	46-05-00	96,961.03 F	49-11-00	104,385.85 F	53-05-00	111,813.50 F
43-00-00	89,714.42 F	46-06-00	97,137.77 F	50-00-00	104,562.69 F	53-06-00	111,990.34 F
43-01-00	89,891.17 F	46-07-00	97,314.52 F	50-01-00	104,739.54 F	53-07-00	112,167.19 F
43-02-00	90,067.92 F	46-08-00	97,491.26 F	50-02-00	104,916.39 F	53-08-00	112,344.04 F
43-03-00	90,244.66 F	46-09-00	97,668.01 F	50-03-00	105,093.24 F		
43-04-00	90,421.41 F	46-10-00	97,844.76 F	50-04-00	105,270.09 F		
43-05-00	90,598.15 F	46-11-00	98,021.50 F	50-05-00	105,446.94 F		
43-06-00	90,774.90 F	47-00-00	98,198.25 F	50-06-00	105,623.79 F		
43-07-00	90,951.65 F	47-01-00	98,375.00 F	50-07-00	105,800.64 F		
43-08-00	91,128.39 F	47-02-00	98,551.74 F	50-08-00	105,977.49 F		
43-09-00	91,305.14 F	47-03-00	98,728.49 F	50-09-00	106,154.33 F		
43-10-00	91,481.89 F	47-04-00	98,905.24 F	50-10-00	106,331.18 F		
43-11-00	91,658.63 F	47-05-00	99,081.98 F	50-11-00	106,508.03 F		
44-00-00	91,835.38 F	47-06-00	99,258.73 F	51-00-00	106,684.88 F		
44-01-00	92,012.13 F	47-07-00	99,435.47 F	51-01-00	106,861.73 F		
44-02-00	92,188.87 F	47-08-00	99,612.22 F	51-02-00	107,038.58 F		
44-03-00	92,365.62 F	47-09-00	99,788.97 F	51-03-00	107,215.43 F		
44-04-00	92,542.37 F	47-10-00	99,965.71 F	51-04-00	107,392.28 F		
44-05-00	92,719.11 F	47-11-00	100,142.46 F	51-05-00	107,569.12 F		
44-06-00	92,895.86 F	48-00-00	100,319.21 F	51-06-00	107,745.97 F		
44-07-00	93,072.60 F	48-01-00	100,495.95 F	51-07-00	107,922.82 F		
44-08-00	93,249.35 F	48-02-00	100,672.70 F	51-08-00	108,099.67 F		
44-09-00	93,426.10 F	48-03-00	100,849.45 F	51-09-00	108,276.52 F		
44-10-00	93,602.84 F	48-04-00	101,026.19 F	51-10-00	108,453.37 F		
44-11-00	93,779.59 F	48-05-00	101,202.94 F	51-11-00	108,630.22 F		
45-00-00	93,956.34 F	48-06-00	101,379.69 F	52-00-00	108,807.07 F		
45-01-00	94,133.08 F	48-07-00	101,556.43 F	52-01-00	108,983.91 F		
45-02-00	94,309.83 F	48-08-00	101,733.18 F	52-02-00	109,160.76 F		
45-03-00	94,486.58 F	48-09-00	101,909.96 F	52-03-00	109,337.61 F		
45-04-00	94,663.32 F	48-10-00	102,086.81 F	52-04-00	109,514.46 F		
45-05-00	94,840.07 F	48-11-00	102,263.66 F	52-05-00	109,691.31 F		

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

BOLD DENOTES ROOF CRITICAL ZONE