

Tank ID **160-005** Tank Type **F** Roof Weight **16,880** API **47.50** Gravity Correction **.34**  
 Strapped By: **HMT** 8/26/2009 Floating Height **3-10-00**

<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	48.19	3-06-00	10,565.92	7-00-00	22,972.40 F	10-06-00	35,447.41 F
0-01-00	86.32	3-07-00	10,862.74	7-01-00	23,269.43 F	10-07-00	35,744.44 F
0-02-00	134.72	3-08-00	11,159.56	7-02-00	23,566.45 F	10-08-00	36,041.46 F
0-03-00	191.97	3-09-00	11,456.39	7-03-00	23,863.48 F	10-09-00	36,338.48 F
0-04-00	262.27	<b>3-10-00</b>	11,753.21 F	7-04-00	24,160.50 F	10-10-00	36,635.51 F
0-05-00	352.72	<b>3-11-00</b>	12,047.60 F	7-05-00	24,457.52 F	10-11-00	36,932.53 F
0-06-00	465.94	<b>4-00-00</b>	12,337.74 F	7-06-00	24,754.55 F	11-00-00	37,229.56 F
0-07-00	606.51	<b>4-01-00</b>	12,625.05 F	7-07-00	25,051.57 F	11-01-00	37,526.58 F
0-08-00	771.07	<b>4-02-00</b>	12,910.75 F	7-08-00	25,348.60 F	11-02-00	37,823.60 F
0-09-00	965.95	<b>4-03-00</b>	13,195.43 F	7-09-00	25,645.62 F	11-03-00	38,120.63 F
0-10-00	1,194.36	<b>4-04-00</b>	13,479.54 F	7-10-00	25,942.64 F	11-04-00	38,417.65 F
0-11-00	1,444.15	<b>4-05-00</b>	13,769.91 F	7-11-00	26,239.67 F	11-05-00	38,714.68 F
1-00-00	1,706.16	4-06-00	14,066.73 F	8-00-00	26,536.69 F	11-06-00	39,011.70 F
1-01-00	1,980.26	4-07-00	14,363.56 F	8-01-00	26,833.72 F	11-07-00	39,308.72 F
1-02-00	2,265.14	4-08-00	14,660.38 F	8-02-00	27,130.74 F	11-08-00	39,605.75 F
1-03-00	2,556.78	4-09-00	14,957.21 F	8-03-00	27,427.76 F	11-09-00	39,902.77 F
1-04-00	2,852.26	4-10-00	15,254.03 F	8-04-00	27,724.79 F	11-10-00	40,199.80 F
1-05-00	3,148.88	4-11-00	15,550.85 F	8-05-00	28,021.81 F	11-11-00	40,496.82 F
1-06-00	3,445.48	5-00-00	15,847.68 F	8-06-00	28,318.84 F	12-00-00	40,793.84 F
1-07-00	3,742.06	5-01-00	16,144.50 F	8-07-00	28,615.86 F	12-01-00	41,090.87 F
1-08-00	4,038.64	5-02-00	16,441.33 F	8-08-00	28,912.88 F	12-02-00	41,387.89 F
1-09-00	4,335.21	5-03-00	16,738.15 F	8-09-00	29,209.91 F	12-03-00	41,684.92 F
1-10-00	4,631.79	5-04-00	17,034.97 F	8-10-00	29,506.93 F	12-04-00	41,981.94 F
1-11-00	4,928.36	5-05-00	17,331.80 F	8-11-00	29,803.96 F	12-05-00	42,278.96 F
2-00-00	5,224.94	5-06-00	17,628.62 F	9-00-00	30,100.98 F	12-06-00	42,575.99 F
2-01-00	5,521.53	5-07-00	17,925.45 F	9-01-00	30,398.00 F	12-07-00	42,873.01 F
2-02-00	5,818.16	5-08-00	18,222.27 F	9-02-00	30,695.03 F	12-08-00	43,170.04 F
2-03-00	6,114.82	5-09-00	18,519.09 F	9-03-00	30,992.05 F	12-09-00	43,467.06 F
2-04-00	6,411.48	5-10-00	18,815.92 F	9-04-00	31,289.08 F	12-10-00	43,764.08 F
2-05-00	6,708.16	5-11-00	19,112.74 F	9-05-00	31,586.10 F	12-11-00	44,061.11 F
2-06-00	7,004.84	6-00-00	19,409.57 F	9-06-00	31,883.12 F	13-00-00	44,358.13 F
2-07-00	7,301.51	6-01-00	19,706.39 F	9-07-00	32,180.15 F	13-01-00	44,655.16 F
2-08-00	7,598.19	6-02-00	20,003.21 F	9-08-00	32,477.17 F	13-02-00	44,952.18 F
2-09-00	7,894.90	6-03-00	20,300.04 F	9-09-00	32,774.20 F	13-03-00	45,249.20 F
2-10-00	8,191.63	6-04-00	20,596.86 F	9-10-00	33,071.22 F	13-04-00	45,546.23 F
2-11-00	8,488.39	6-05-00	20,893.69 F	9-11-00	33,368.24 F	13-05-00	45,843.25 F
3-00-00	8,785.15	6-06-00	21,190.51 F	10-00-00	33,665.27 F	13-06-00	46,140.28 F
3-01-00	9,081.92	6-07-00	21,487.33 F	10-01-00	33,962.29 F	13-07-00	46,437.30 F
3-02-00	9,378.69	6-08-00	21,784.31 F	10-02-00	34,259.32 F	13-08-00	46,734.32 F
3-03-00	9,675.46	6-09-00	22,081.33 F	10-03-00	34,556.34 F	13-09-00	47,031.35 F
3-04-00	9,972.27	6-10-00	22,378.36 F	10-04-00	34,853.36 F	13-10-00	47,328.37 F
3-05-00	10,269.09	6-11-00	22,675.38 F	10-05-00	35,150.39 F	13-11-00	47,625.40 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 **160-005** Tank Type **F** Roof Weight **16,880** API **47.50** Gravity Correction **.34**  
 Strapped By: HMT 8/26/2009 Floating Height **3-10-00**

<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	47,922.42 F	17-06-00	60,404.38 F	21-00-00	72,886.37 F	24-06-00	85,372.11 F
14-01-00	48,219.57 F	17-07-00	60,701.57 F	21-01-00	73,183.56 F	24-07-00	85,669.44 F
14-02-00	48,516.76 F	17-08-00	60,998.76 F	21-02-00	73,480.75 F	24-08-00	85,966.78 F
14-03-00	48,813.95 F	17-09-00	61,295.95 F	21-03-00	73,777.94 F	24-09-00	86,264.11 F
14-04-00	49,111.14 F	17-10-00	61,593.14 F	21-04-00	74,075.13 F	24-10-00	86,561.44 F
14-05-00	49,408.33 F	17-11-00	61,890.33 F	21-05-00	74,372.32 F	24-11-00	86,858.77 F
14-06-00	49,705.52 F	18-00-00	62,187.52 F	21-06-00	74,669.51 F	25-00-00	87,156.10 F
14-07-00	50,002.71 F	18-01-00	62,484.71 F	21-07-00	74,966.71 F	25-01-00	87,453.43 F
14-08-00	50,299.90 F	18-02-00	62,781.90 F	21-08-00	75,263.90 F	25-02-00	87,750.76 F
14-09-00	50,597.09 F	18-03-00	63,079.09 F	21-09-00	75,561.09 F	25-03-00	88,048.09 F
14-10-00	50,894.28 F	18-04-00	63,376.28 F	21-10-00	75,858.28 F	25-04-00	88,345.42 F
14-11-00	51,191.47 F	18-05-00	63,673.47 F	21-11-00	76,155.47 F	25-05-00	88,642.75 F
15-00-00	51,488.66 F	18-06-00	63,970.66 F	22-00-00	76,452.66 F	25-06-00	88,940.08 F
15-01-00	51,785.85 F	18-07-00	64,267.85 F	22-01-00	76,749.85 F	25-07-00	89,237.41 F
15-02-00	52,083.04 F	18-08-00	64,565.04 F	22-02-00	77,047.04 F	25-08-00	89,534.74 F
15-03-00	52,380.23 F	18-09-00	64,862.23 F	22-03-00	77,344.23 F	25-09-00	89,832.07 F
15-04-00	52,677.43 F	18-10-00	65,159.42 F	22-04-00	77,641.52 F	25-10-00	90,129.40 F
15-05-00	52,974.62 F	18-11-00	65,456.61 F	22-05-00	77,938.85 F	25-11-00	90,426.73 F
15-06-00	53,271.81 F	19-00-00	65,753.80 F	22-06-00	78,236.18 F	26-00-00	90,724.06 F
15-07-00	53,569.00 F	19-01-00	66,050.99 F	22-07-00	78,533.52 F	26-01-00	91,021.39 F
15-08-00	53,866.19 F	19-02-00	66,348.18 F	22-08-00	78,830.85 F	26-02-00	91,318.72 F
15-09-00	54,163.38 F	19-03-00	66,645.37 F	22-09-00	79,128.18 F	26-03-00	91,616.05 F
15-10-00	54,460.57 F	19-04-00	66,942.56 F	22-10-00	79,425.51 F	26-04-00	91,913.38 F
15-11-00	54,757.76 F	19-05-00	67,239.75 F	22-11-00	79,722.84 F	26-05-00	92,210.71 F
16-00-00	55,054.95 F	19-06-00	67,536.95 F	23-00-00	80,020.17 F	26-06-00	92,508.04 F
16-01-00	55,352.14 F	19-07-00	67,834.14 F	23-01-00	80,317.50 F	26-07-00	92,805.37 F
16-02-00	55,649.33 F	19-08-00	68,131.33 F	23-02-00	80,614.83 F	26-08-00	93,102.70 F
16-03-00	55,946.52 F	19-09-00	68,428.52 F	23-03-00	80,912.16 F	26-09-00	93,400.04 F
16-04-00	56,243.71 F	19-10-00	68,725.71 F	23-04-00	81,209.49 F	26-10-00	93,697.37 F
16-05-00	56,540.90 F	19-11-00	69,022.90 F	23-05-00	81,506.82 F	26-11-00	93,994.70 F
16-06-00	56,838.09 F	20-00-00	69,320.09 F	23-06-00	81,804.15 F	27-00-00	94,292.03 F
16-07-00	57,135.28 F	20-01-00	69,617.28 F	23-07-00	82,101.48 F	27-01-00	94,589.36 F
16-08-00	57,432.47 F	20-02-00	69,914.47 F	23-08-00	82,398.81 F	27-02-00	94,886.69 F
16-09-00	57,729.66 F	20-03-00	70,211.66 F	23-09-00	82,696.14 F	27-03-00	95,184.02 F
16-10-00	58,026.85 F	20-04-00	70,508.85 F	23-10-00	82,993.47 F	27-04-00	95,481.35 F
16-11-00	58,324.04 F	20-05-00	70,806.04 F	23-11-00	83,290.80 F	27-05-00	95,778.68 F
17-00-00	58,621.23 F	20-06-00	71,103.23 F	24-00-00	83,588.13 F	27-06-00	96,076.01 F
17-01-00	58,918.42 F	20-07-00	71,400.42 F	24-01-00	83,885.46 F	27-07-00	96,373.34 F
17-02-00	59,215.61 F	20-08-00	71,697.61 F	24-02-00	84,182.79 F	27-08-00	96,670.67 F
17-03-00	59,512.80 F	20-09-00	71,994.80 F	24-03-00	84,480.12 F	27-09-00	96,968.00 F
17-04-00	59,809.99 F	20-10-00	72,291.99 F	24-04-00	84,777.45 F	27-10-00	97,265.33 F
17-05-00	60,107.19 F	20-11-00	72,589.18 F	24-05-00	85,074.78 F	27-11-00	97,562.66 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 **160-005** Tank Type **F** Roof Weight **16,880** API **47.50** Gravity Correction **.34**  
 Strapped By: **HMT** 8/26/2009 Floating Height **3-10-00**

<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	97,859.99 F	31-06-00	110,350.56 F	35-00-00	122,846.97 F	38-06-00	135,343.38 F
28-01-00	98,157.32 F	31-07-00	110,648.09 F	35-01-00	123,144.51 F	38-07-00	135,640.92 F
28-02-00	98,454.65 F	31-08-00	110,945.63 F	35-02-00	123,442.04 F	38-08-00	135,938.50 F
28-03-00	98,751.98 F	31-09-00	111,243.16 F	35-03-00	123,739.57 F	38-09-00	136,236.22 F
28-04-00	99,049.31 F	31-10-00	111,540.69 F	35-04-00	124,037.11 F	38-10-00	136,533.94 F
28-05-00	99,346.64 F	31-11-00	111,838.23 F	35-05-00	124,334.64 F	38-11-00	136,831.66 F
28-06-00	99,643.97 F	32-00-00	112,135.76 F	35-06-00	124,632.17 F	39-00-00	137,129.38 F
28-07-00	99,941.30 F	32-01-00	112,433.30 F	35-07-00	124,929.71 F	39-01-00	137,427.10 F
28-08-00	100,238.63 F	32-02-00	112,730.83 F	35-08-00	125,227.24 F	39-02-00	137,724.82 F
28-09-00	100,535.96 F	32-03-00	113,028.36 F	35-09-00	125,524.77 F	39-03-00	138,022.54 F
28-10-00	100,833.30 F	32-04-00	113,325.90 F	35-10-00	125,822.31 F	39-04-00	138,320.26 F
28-11-00	101,130.63 F	32-05-00	113,623.43 F	35-11-00	126,119.84 F	39-05-00	138,617.98 F
29-00-00	101,427.96 F	32-06-00	113,920.96 F	36-00-00	126,417.37 F	39-06-00	138,915.70 F
29-01-00	101,725.29 F	32-07-00	114,218.50 F	36-01-00	126,714.91 F	39-07-00	139,213.42 F
29-02-00	102,022.62 F	32-08-00	114,516.03 F	36-02-00	127,012.44 F	39-08-00	139,511.14 F
29-03-00	102,319.95 F	32-09-00	114,813.56 F	36-03-00	127,309.98 F	39-09-00	139,808.86 F
29-04-00	102,617.28 F	32-10-00	115,111.10 F	36-04-00	127,607.51 F	39-10-00	140,106.58 F
29-05-00	102,914.61 F	32-11-00	115,408.63 F	36-05-00	127,905.04 F	39-11-00	140,404.30 F
29-06-00	103,211.94 F	33-00-00	115,706.17 F	36-06-00	128,202.58 F	40-00-00	140,702.02 F
29-07-00	103,509.27 F	33-01-00	116,003.70 F	36-07-00	128,500.11 F	40-01-00	140,999.74 F
29-08-00	103,806.60 F	33-02-00	116,301.23 F	36-08-00	128,797.64 F	40-02-00	141,297.46 F
29-09-00	104,103.93 F	33-03-00	116,598.77 F	36-09-00	129,095.18 F	40-03-00	141,595.18 F
29-10-00	104,401.26 F	33-04-00	116,896.30 F	36-10-00	129,392.71 F	40-04-00	141,892.90 F
29-11-00	104,698.59 F	33-05-00	117,193.83 F	36-11-00	129,690.24 F	40-05-00	142,190.62 F
30-00-00	104,995.92 F	33-06-00	117,491.37 F	37-00-00	129,987.78 F	40-06-00	142,488.34 F
30-01-00	105,293.25 F	33-07-00	117,788.90 F	37-01-00	130,285.31 F	40-07-00	142,786.06 F
30-02-00	105,590.58 F	33-08-00	118,086.43 F	37-02-00	130,582.85 F	40-08-00	143,083.78 F
30-03-00	105,887.91 F	33-09-00	118,383.97 F	37-03-00	130,880.38 F	40-09-00	143,381.50 F
30-04-00	106,185.24 F	33-10-00	118,681.50 F	37-04-00	131,177.91 F	40-10-00	143,679.22 F
30-05-00	106,482.62 F	33-11-00	118,979.03 F	37-05-00	131,475.45 F	40-11-00	143,976.94 F
30-06-00	106,780.16 F	34-00-00	119,276.57 F	37-06-00	131,772.98 F	41-00-00	144,274.66 F
30-07-00	107,077.69 F	34-01-00	119,574.10 F	37-07-00	132,070.51 F	41-01-00	144,572.38 F
30-08-00	107,375.22 F	34-02-00	119,871.64 F	37-08-00	132,368.05 F	41-02-00	144,870.10 F
30-09-00	107,672.76 F	34-03-00	120,169.17 F	37-09-00	132,665.58 F	41-03-00	145,167.82 F
30-10-00	107,970.29 F	34-04-00	120,466.70 F	37-10-00	132,963.11 F	41-04-00	145,465.54 F
30-11-00	108,267.83 F	34-05-00	120,764.24 F	37-11-00	133,260.65 F	41-05-00	145,763.26 F
31-00-00	108,565.36 F	34-06-00	121,061.77 F	38-00-00	133,558.18 F	41-06-00	146,060.98 F
31-01-00	108,862.89 F	34-07-00	121,359.30 F	38-01-00	133,855.71 F	41-07-00	146,358.70 F
31-02-00	109,160.43 F	34-08-00	121,656.84 F	38-02-00	134,153.25 F	41-08-00	146,656.42 F
31-03-00	109,457.96 F	34-09-00	121,954.37 F	38-03-00	134,450.78 F	41-09-00	146,954.14 F
31-04-00	109,755.49 F	34-10-00	122,251.90 F	38-04-00	134,748.32 F	41-10-00	147,251.86 F
31-05-00	110,053.03 F	34-11-00	122,549.44 F	38-05-00	135,045.85 F	41-11-00	147,549.58 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 **160-005** Tank Type **F** Roof Weight **16,880** API **47.50** Gravity Correction **.34**  
 Strapped By: HMT 8/26/2009 Floating Height **3-10-00**

<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	147,847.30 F	45-06-00	160,351.54 F				
42-01-00	148,145.02 F	45-07-00	160,649.26 F				
42-02-00	148,442.74 F	45-08-00	160,946.98 F				
42-03-00	148,740.46 F	45-09-00	161,244.70 F				
42-04-00	149,038.18 F	45-10-00	161,542.42 F				
42-05-00	149,335.90 F	45-11-00	161,840.14 F				
42-06-00	149,633.62 F	46-00-00	162,137.86 F				
42-07-00	149,931.34 F	46-01-00	162,435.58 F				
42-08-00	150,229.06 F	46-02-00	162,733.30 F				
42-09-00	150,526.78 F	46-03-00	163,031.02 F				
42-10-00	150,824.50 F	46-04-00	163,328.74 F				
42-11-00	151,122.22 F	46-05-00	163,626.46 F				
43-00-00	151,419.94 F	46-06-00	163,924.18 F				
43-01-00	151,717.66 F	46-07-00	164,221.90 F				
43-02-00	152,015.38 F	46-08-00	164,519.62 F				
43-03-00	152,313.10 F	46-09-00	164,817.34 F				
43-04-00	152,610.82 F	46-10-00	165,115.06 F				
43-05-00	152,908.54 F	46-11-00	165,412.78 F				
43-06-00	153,206.26 F	47-00-00	165,710.50 F				
43-07-00	153,503.98 F	47-01-00	166,008.22 F				
43-08-00	153,801.70 F						
43-09-00	154,099.42 F						
43-10-00	154,397.14 F						
43-11-00	154,694.86 F						
44-00-00	154,992.58 F						
44-01-00	155,290.30 F						
44-02-00	155,588.02 F						
44-03-00	155,885.74 F						
44-04-00	156,183.46 F						
44-05-00	156,481.18 F						
44-06-00	156,778.90 F						
44-07-00	157,076.62 F						
44-08-00	157,374.34 F						
44-09-00	157,672.06 F						
44-10-00	157,969.78 F						
44-11-00	158,267.50 F						
45-00-00	158,565.22 F						
45-01-00	158,862.94 F						
45-02-00	159,160.66 F						
45-03-00	159,458.38 F						
45-04-00	159,756.10 F						
45-05-00	160,053.82 F						

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

**BOLD DENOTES ROOF CRITICAL ZONE**