

Tank Strapping Detail Report

Tank ID **080-016** Tank Type **F** Roof Weight **8,182** API **31.00** Gravity Correction **.17**  
 Strapped By: **HMT** 1/11/2013 Floating Height **2-10-00**

<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	52.73	3-06-00	5,694.12 F	7-00-00	11,603.05 F	10-06-00	17,512.69 F
0-01-00	110.41	3-07-00	5,834.81 F	7-01-00	11,743.74 F	10-07-00	17,653.39 F
0-02-00	188.45	3-08-00	5,975.50 F	7-02-00	11,884.43 F	10-08-00	17,794.10 F
0-03-00	282.32	3-09-00	6,116.19 F	7-03-00	12,025.11 F	10-09-00	17,934.81 F
0-04-00	392.20	3-10-00	6,256.87 F	7-04-00	12,165.80 F	10-10-00	18,075.52 F
0-05-00	518.83	3-11-00	6,397.56 F	7-05-00	12,306.49 F	10-11-00	18,216.23 F
0-06-00	655.53	4-00-00	6,538.25 F	7-06-00	12,447.18 F	11-00-00	18,356.94 F
0-07-00	796.22	4-01-00	6,678.94 F	7-07-00	12,587.87 F	11-01-00	18,497.65 F
0-08-00	936.92	4-02-00	6,819.63 F	7-08-00	12,728.56 F	11-02-00	18,638.36 F
0-09-00	1,077.62	4-03-00	6,960.32 F	7-09-00	12,869.27 F	11-03-00	18,779.07 F
0-10-00	1,218.31	4-04-00	7,101.01 F	7-10-00	13,009.98 F	11-04-00	18,919.78 F
0-11-00	1,358.99	4-05-00	7,241.70 F	7-11-00	13,150.69 F	11-05-00	19,060.49 F
1-00-00	1,499.70	4-06-00	7,382.38 F	8-00-00	13,291.40 F	11-06-00	19,201.20 F
1-01-00	1,640.41	4-07-00	7,523.07 F	8-01-00	13,432.11 F	11-07-00	19,341.91 F
1-02-00	1,781.13	4-08-00	7,663.76 F	8-02-00	13,572.82 F	11-08-00	19,482.62 F
1-03-00	1,921.84	4-09-00	7,804.45 F	8-03-00	13,713.53 F	11-09-00	19,623.33 F
1-04-00	2,062.56	4-10-00	7,945.14 F	8-04-00	13,854.24 F	11-10-00	19,764.04 F
1-05-00	2,203.27	4-11-00	8,085.83 F	8-05-00	13,994.95 F	11-11-00	19,904.75 F
1-06-00	2,343.99	5-00-00	8,226.52 F	8-06-00	14,135.65 F	12-00-00	20,045.46 F
1-07-00	2,484.70	5-01-00	8,367.21 F	8-07-00	14,276.36 F	12-01-00	20,186.17 F
1-08-00	2,625.41	5-02-00	8,507.89 F	8-08-00	14,417.07 F	12-02-00	20,326.88 F
1-09-00	2,766.13	5-03-00	8,648.58 F	8-09-00	14,557.78 F	12-03-00	20,467.59 F
1-10-00	2,906.85	5-04-00	8,789.27 F	8-10-00	14,698.49 F	12-04-00	20,608.30 F
1-11-00	3,047.56	5-05-00	8,929.96 F	8-11-00	14,839.20 F	12-05-00	20,749.01 F
2-00-00	3,188.28	5-06-00	9,070.65 F	9-00-00	14,979.91 F	12-06-00	20,889.72 F
2-01-00	3,328.99	5-07-00	9,211.34 F	9-01-00	15,120.62 F	12-07-00	21,030.43 F
2-02-00	3,469.71	5-08-00	9,352.03 F	9-02-00	15,261.33 F	12-08-00	21,171.13 F
2-03-00	3,610.43	5-09-00	9,492.72 F	9-03-00	15,402.04 F	12-09-00	21,311.84 F
2-04-00	3,751.14	5-10-00	9,633.41 F	9-04-00	15,542.75 F	12-10-00	21,452.55 F
2-05-00	3,891.86	5-11-00	9,774.09 F	9-05-00	15,683.46 F	12-11-00	21,593.26 F
2-06-00	4,032.57	6-00-00	9,914.78 F	9-06-00	15,824.17 F	13-00-00	21,733.97 F
2-07-00	4,173.29	6-01-00	10,055.47 F	9-07-00	15,964.88 F	13-01-00	21,874.68 F
2-08-00	4,314.01	6-02-00	10,196.16 F	9-08-00	16,105.59 F	13-02-00	22,015.39 F
2-09-00	4,454.72	6-03-00	10,336.85 F	9-09-00	16,246.30 F	13-03-00	22,156.10 F
<b>2-10-00</b>	4,595.44 F	6-04-00	10,477.54 F	9-10-00	16,387.01 F	13-04-00	22,296.81 F
<b>2-11-00</b>	4,732.85 F	6-05-00	10,618.23 F	9-11-00	16,527.72 F	13-05-00	22,437.52 F
<b>3-00-00</b>	4,867.91 F	6-06-00	10,758.92 F	10-00-00	16,668.43 F	13-06-00	22,578.23 F
<b>3-01-00</b>	5,001.61 F	6-07-00	10,899.60 F	10-01-00	16,809.14 F	13-07-00	22,718.94 F
<b>3-02-00</b>	5,131.36 F	6-08-00	11,040.29 F	10-02-00	16,949.85 F	13-08-00	22,859.65 F
3-03-00	5,272.05 F	6-09-00	11,180.98 F	10-03-00	17,090.56 F	13-09-00	23,000.36 F
3-04-00	5,412.74 F	6-10-00	11,321.67 F	10-04-00	17,231.27 F	13-10-00	23,141.07 F
3-05-00	5,553.43 F	6-11-00	11,462.36 F	10-05-00	17,371.98 F	13-11-00	23,281.78 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 **080-016** Tank Type **F** Roof Weight **8,182** API **31.00** Gravity Correction **.17**  
 Strapped By: HMT 1/11/2013 Floating Height **2-10-00**

<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	23,422.49 F	17-06-00	29,332.87 F	21-00-00	35,243.75 F	24-06-00	41,155.17 F
14-01-00	23,563.20 F	17-07-00	29,473.60 F	21-01-00	35,384.48 F	24-07-00	41,295.95 F
14-02-00	23,703.91 F	17-08-00	29,614.34 F	21-02-00	35,525.22 F	24-08-00	41,436.74 F
14-03-00	23,844.62 F	17-09-00	29,755.07 F	21-03-00	35,665.95 F	24-09-00	41,577.52 F
14-04-00	23,985.33 F	17-10-00	29,895.81 F	21-04-00	35,806.69 F	24-10-00	41,718.31 F
14-05-00	24,126.04 F	17-11-00	30,036.54 F	21-05-00	35,947.42 F	24-11-00	41,859.09 F
14-06-00	24,266.75 F	18-00-00	30,177.28 F	21-06-00	36,088.16 F	25-00-00	41,999.88 F
14-07-00	24,407.46 F	18-01-00	30,318.01 F	21-07-00	36,228.89 F	25-01-00	42,140.66 F
14-08-00	24,548.17 F	18-02-00	30,458.75 F	21-08-00	36,369.63 F	25-02-00	42,281.45 F
14-09-00	24,688.87 F	18-03-00	30,599.48 F	21-09-00	36,510.36 F	25-03-00	42,422.23 F
14-10-00	24,829.58 F	18-04-00	30,740.22 F	21-10-00	36,651.10 F	25-04-00	42,563.02 F
14-11-00	24,970.29 F	18-05-00	30,880.95 F	21-11-00	36,791.83 F	25-05-00	42,703.80 F
15-00-00	25,111.00 F	18-06-00	31,021.69 F	22-00-00	36,932.57 F	25-06-00	42,844.59 F
15-01-00	25,251.71 F	18-07-00	31,162.43 F	22-01-00	37,073.30 F	25-07-00	42,985.37 F
15-02-00	25,392.42 F	18-08-00	31,303.16 F	22-02-00	37,214.04 F	25-08-00	43,126.16 F
15-03-00	25,533.13 F	18-09-00	31,443.90 F	22-03-00	37,354.77 F	25-09-00	43,266.94 F
15-04-00	25,673.84 F	18-10-00	31,584.63 F	22-04-00	37,495.51 F	25-10-00	43,407.73 F
15-05-00	25,814.55 F	18-11-00	31,725.37 F	22-05-00	37,636.24 F	25-11-00	43,548.51 F
15-06-00	25,955.26 F	19-00-00	31,866.10 F	22-06-00	37,776.98 F	26-00-00	43,689.30 F
15-07-00	26,095.97 F	19-01-00	32,006.84 F	22-07-00	37,917.71 F	26-01-00	43,830.08 F
15-08-00	26,236.69 F	19-02-00	32,147.57 F	22-08-00	38,058.45 F	26-02-00	43,970.87 F
15-09-00	26,377.43 F	19-03-00	32,288.31 F	22-09-00	38,199.19 F	26-03-00	44,111.65 F
15-10-00	26,518.16 F	19-04-00	32,429.04 F	22-10-00	38,339.92 F	26-04-00	44,252.44 F
15-11-00	26,658.90 F	19-05-00	32,569.78 F	22-11-00	38,480.66 F	26-05-00	44,393.22 F
16-00-00	26,799.63 F	19-06-00	32,710.51 F	23-00-00	38,621.39 F	26-06-00	44,534.01 F
16-01-00	26,940.37 F	19-07-00	32,851.25 F	23-01-00	38,762.13 F	26-07-00	44,674.79 F
16-02-00	27,081.10 F	19-08-00	32,991.98 F	23-02-00	38,902.86 F	26-08-00	44,815.57 F
16-03-00	27,221.84 F	19-09-00	33,132.72 F	23-03-00	39,043.60 F	26-09-00	44,956.36 F
16-04-00	27,362.57 F	19-10-00	33,273.45 F	23-04-00	39,184.33 F	26-10-00	45,097.14 F
16-05-00	27,503.31 F	19-11-00	33,414.19 F	23-05-00	39,325.07 F	26-11-00	45,237.93 F
16-06-00	27,644.05 F	20-00-00	33,554.92 F	23-06-00	39,465.80 F	27-00-00	45,378.71 F
16-07-00	27,784.78 F	20-01-00	33,695.66 F	23-07-00	39,606.54 F	27-01-00	45,519.50 F
16-08-00	27,925.52 F	20-02-00	33,836.39 F	23-08-00	39,747.27 F	27-02-00	45,660.28 F
16-09-00	28,066.25 F	20-03-00	33,977.13 F	23-09-00	39,888.11 F	27-03-00	45,801.07 F
16-10-00	28,206.99 F	20-04-00	34,117.86 F	23-10-00	40,028.89 F	27-04-00	45,941.85 F
16-11-00	28,347.72 F	20-05-00	34,258.60 F	23-11-00	40,169.68 F	27-05-00	46,082.64 F
17-00-00	28,488.46 F	20-06-00	34,399.33 F	24-00-00	40,310.46 F	27-06-00	46,223.42 F
17-01-00	28,629.19 F	20-07-00	34,540.07 F	24-01-00	40,451.25 F	27-07-00	46,364.21 F
17-02-00	28,769.93 F	20-08-00	34,680.81 F	24-02-00	40,592.03 F	27-08-00	46,504.99 F
17-03-00	28,910.66 F	20-09-00	34,821.54 F	24-03-00	40,732.82 F	27-09-00	46,645.78 F
17-04-00	29,051.40 F	20-10-00	34,962.28 F	24-04-00	40,873.60 F	27-10-00	46,786.56 F
17-05-00	29,192.13 F	20-11-00	35,103.01 F	24-05-00	41,014.39 F	27-11-00	46,927.35 F

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Tank ID **080-016** Tank Type **F** Roof Weight **8,182** API **31.00** Gravity Correction **.17**  
 Strapped By: HMT 1/11/2013 Floating Height **2-10-00**

<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	47,068.13 F	31-06-00	52,981.09 F	35-00-00	58,895.12 F	38-06-00	64,809.15 F
28-01-00	47,208.92 F	31-07-00	53,121.89 F	35-01-00	59,035.93 F	38-07-00	64,949.96 F
28-02-00	47,349.70 F	31-08-00	53,262.70 F	35-02-00	59,176.74 F	38-08-00	65,090.77 F
28-03-00	47,490.49 F	31-09-00	53,403.51 F	35-03-00	59,317.55 F	38-09-00	65,231.59 F
28-04-00	47,631.27 F	31-10-00	53,544.32 F	35-04-00	59,458.36 F	38-10-00	65,372.40 F
28-05-00	47,772.06 F	31-11-00	53,685.13 F	35-05-00	59,599.17 F	38-11-00	65,513.21 F
28-06-00	47,912.84 F	32-00-00	53,825.94 F	35-06-00	59,739.98 F	39-00-00	65,654.02 F
28-07-00	48,053.63 F	32-01-00	53,966.75 F	35-07-00	59,880.79 F	39-01-00	65,794.83 F
28-08-00	48,194.41 F	32-02-00	54,107.56 F	35-08-00	60,021.60 F	39-02-00	65,935.64 F
28-09-00	48,335.19 F	32-03-00	54,248.37 F	35-09-00	60,162.41 F	39-03-00	66,076.45 F
28-10-00	48,475.98 F	32-04-00	54,389.18 F	35-10-00	60,303.22 F	39-04-00	66,217.26 F
28-11-00	48,616.76 F	32-05-00	54,529.99 F	35-11-00	60,444.03 F	39-05-00	66,358.07 F
29-00-00	48,757.55 F	32-06-00	54,670.81 F	36-00-00	60,584.84 F	39-06-00	66,498.88 F
29-01-00	48,898.33 F	32-07-00	54,811.62 F	36-01-00	60,725.65 F	39-07-00	66,639.65 F
29-02-00	49,039.12 F	32-08-00	54,952.43 F	36-02-00	60,866.46 F	39-08-00	66,780.40 F
29-03-00	49,179.90 F	32-09-00	55,093.24 F	36-03-00	61,007.27 F	39-09-00	66,921.14 F
29-04-00	49,320.69 F	32-10-00	55,234.05 F	36-04-00	61,148.08 F	39-10-00	67,061.88 F
29-05-00	49,461.47 F	32-11-00	55,374.86 F	36-05-00	61,288.89 F	39-11-00	67,202.62 F
29-06-00	49,602.26 F	33-00-00	55,515.67 F	36-06-00	61,429.70 F	40-00-00	67,343.36 F
29-07-00	49,743.04 F	33-01-00	55,656.48 F	36-07-00	61,570.51 F	40-01-00	67,484.10 F
29-08-00	49,883.83 F	33-02-00	55,797.29 F	36-08-00	61,711.33 F	40-02-00	67,624.85 F
29-09-00	50,024.61 F	33-03-00	55,938.10 F	36-09-00	61,852.14 F	40-03-00	67,765.59 F
29-10-00	50,165.40 F	33-04-00	56,078.91 F	36-10-00	61,992.95 F	40-04-00	67,906.33 F
29-11-00	50,306.18 F	33-05-00	56,219.72 F	36-11-00	62,133.76 F	40-05-00	68,047.07 F
30-00-00	50,446.97 F	33-06-00	56,360.53 F	37-00-00	62,274.57 F	40-06-00	68,187.81 F
30-01-00	50,587.75 F	33-07-00	56,501.34 F	37-01-00	62,415.38 F	40-07-00	68,328.55 F
30-02-00	50,728.54 F	33-08-00	56,642.15 F	37-02-00	62,556.19 F	40-08-00	68,469.30 F
30-03-00	50,869.32 F	33-09-00	56,782.96 F	37-03-00	62,697.00 F	40-09-00	68,610.04 F
30-04-00	51,010.11 F	33-10-00	56,923.77 F	37-04-00	62,837.81 F	40-10-00	68,750.78 F
30-05-00	51,150.89 F	33-11-00	57,064.58 F	37-05-00	62,978.62 F	40-11-00	68,891.52 F
30-06-00	51,291.68 F	34-00-00	57,205.39 F	37-06-00	63,119.43 F	41-00-00	69,032.26 F
30-07-00	51,432.46 F	34-01-00	57,346.20 F	37-07-00	63,260.24 F	41-01-00	69,173.00 F
30-08-00	51,573.25 F	34-02-00	57,487.01 F	37-08-00	63,401.05 F	41-02-00	69,313.75 F
30-09-00	51,714.03 F	34-03-00	57,627.82 F	37-09-00	63,541.86 F	41-03-00	69,454.49 F
30-10-00	51,854.81 F	34-04-00	57,768.63 F	37-10-00	63,682.67 F	41-04-00	69,595.23 F
30-11-00	51,995.60 F	34-05-00	57,909.44 F	37-11-00	63,823.48 F	41-05-00	69,735.97 F
31-00-00	52,136.38 F	34-06-00	58,050.25 F	38-00-00	63,964.29 F	41-06-00	69,876.71 F
31-01-00	52,277.17 F	34-07-00	58,191.07 F	38-01-00	64,105.10 F	41-07-00	70,017.45 F
31-02-00	52,417.95 F	34-08-00	58,331.88 F	38-02-00	64,245.91 F	41-08-00	70,158.19 F
31-03-00	52,558.74 F	34-09-00	58,472.69 F	38-03-00	64,386.72 F	41-09-00	70,298.94 F
31-04-00	52,699.52 F	34-10-00	58,613.50 F	38-04-00	64,527.53 F	41-10-00	70,439.68 F
31-05-00	52,840.31 F	34-11-00	58,754.31 F	38-05-00	64,668.34 F	41-11-00	70,580.42 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 **080-016** Tank Type **F** Roof Weight **8,182** API **31.00** Gravity Correction **.17**  
 Strapped By: HMT 1/11/2013 Floating Height **2-10-00**

<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	70,721.16 F	45-06-00	76,632.31 F				
42-01-00	70,861.90 F	45-07-00	76,773.05 F				
42-02-00	71,002.64 F	45-08-00	76,913.79 F				
42-03-00	71,143.39 F	45-09-00	77,054.53 F				
42-04-00	71,284.13 F	45-10-00	77,195.27 F				
42-05-00	71,424.87 F	45-11-00	77,336.02 F				
42-06-00	71,565.61 F	46-00-00	77,476.76 F				
42-07-00	71,706.35 F	46-01-00	77,617.50 F				
42-08-00	71,847.09 F	46-02-00	77,758.24 F				
42-09-00	71,987.84 F	46-03-00	77,898.98 F				
42-10-00	72,128.58 F	46-04-00	78,039.72 F				
42-11-00	72,269.32 F	46-05-00	78,180.47 F				
43-00-00	72,410.06 F	46-06-00	78,321.21 F				
43-01-00	72,550.80 F	46-07-00	78,461.95 F				
43-02-00	72,691.54 F	46-08-00	78,602.69 F				
43-03-00	72,832.29 F	46-09-00	78,743.43 F				
43-04-00	72,973.03 F	46-10-00	78,884.17 F				
43-05-00	73,113.77 F	46-11-00	79,024.92 F				
43-06-00	73,254.51 F	47-00-00	79,165.66 F				
43-07-00	73,395.25 F	47-01-00	79,306.40 F				
43-08-00	73,535.99 F	47-02-00	79,447.14 F				
43-09-00	73,676.73 F	47-03-00	79,587.88 F				
43-10-00	73,817.48 F	47-04-00	79,728.62 F				
43-11-00	73,958.22 F	47-05-00	79,869.37 F				
44-00-00	74,098.96 F	47-06-00	80,010.11 F				
44-01-00	74,239.70 F	47-07-00	80,150.85 F				
44-02-00	74,380.44 F	47-08-00	80,291.59 F				
44-03-00	74,521.18 F	47-09-00	80,432.33 F				
44-04-00	74,661.93 F						
44-05-00	74,802.67 F						
44-06-00	74,943.41 F						
44-07-00	75,084.15 F						
44-08-00	75,224.89 F						
44-09-00	75,365.63 F						
44-10-00	75,506.38 F						
44-11-00	75,647.12 F						
45-00-00	75,787.86 F						
45-01-00	75,928.60 F						
45-02-00	76,069.34 F						
45-03-00	76,210.08 F						
45-04-00	76,350.83 F						
45-05-00	76,491.57 F						

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

**BOLD DENOTES ROOF CRITICAL ZONE**