

Barge ID	Barge Number	UOM	Gauge Type	Date Strapped	Strapped By	Comment
MAP	614	BARRELS	INNAGE	6/15/04	INSPECTORATE	BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN.

Terry Hickman
Saybolt 740/423-8253

Barge ID	Barge Number	Comp	Gauge Height
MAP 614	1 PORT	185.000	
MAP 614	1 STAR	185.000	
MAP 614	2 PORT	185.750	
MAP 614	2 STAR	185.500	
MAP 614	3 PORT	185.500	
MAP 614	3 STAR	185.500	

MAP 614

COMPARTMENT: 1 PORT

GAUGE HEIGHT: 15' 5"

STRAPPED: 6/15/04

COMPUTED IN BARRELS

GAUGE TYPE: INNAUGE

RIM OF 2" DIAMETER BALL VALVE LOCATED NEAR CENTER OF TANK
BARGE SHOULD BE ON EVEN KEEL WHEN GAUGES ARE TAKEN

IN	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT
0	17.21	341.52	704.68	1,071.88	1,436.73	1,806.28	2,173.48	2,540.68	2,907.88	3,275.08	3,642.28	4,009.48	4,376.68	4,743.88	5,111.08
1/4	22.08	348.88	712.33	1,079.58	1,446.03	1,813.93	2,181.13	2,548.33	2,915.53	3,282.73	3,649.93	4,017.13	4,384.33	4,751.53	5,118.73
1/2	26.96	356.24	719.98	1,087.18	1,454.38	1,821.58	2,188.78	2,555.98	2,923.18	3,290.38	3,657.58	4,024.78	4,391.98	4,759.18	5,125.29
3/4	31.83	363.60	727.63	1,094.83	1,462.03	1,829.23	2,196.43	2,563.63	2,930.83	3,298.03	3,665.23	4,032.43	4,399.63	4,766.83	5,132.39
1	36.70	370.95	735.28	1,102.48	1,469.68	1,836.88	2,204.08	2,571.28	2,938.48	3,305.68	3,672.88	4,040.08	4,407.28	4,774.48	5,139.49
1/4	42.88	378.31	742.93	1,110.13	1,477.33	1,844.53	2,211.73	2,578.93	2,946.13	3,313.33	3,680.53	4,047.73	4,414.93	4,782.13	5,145.36
1/2	49.05	385.67	750.58	1,117.78	1,484.98	1,852.18	2,219.38	2,586.58	2,953.78	3,320.98	3,688.18	4,055.38	4,422.58	4,789.78	5,151.22
3/4	55.66	393.02	758.23	1,125.43	1,492.63	1,859.83	2,227.03	2,594.23	2,961.43	3,328.63	3,695.83	4,063.03	4,430.23	4,797.43	5,157.09
2	62.26	400.38	766.88	1,133.08	1,500.28	1,867.48	2,234.68	2,601.88	2,969.08	3,336.28	3,703.48	4,070.68	4,437.88	4,805.08	5,162.95
1/4	68.99	407.86	773.53	1,140.73	1,507.93	1,875.13	2,242.33	2,609.53	2,976.73	3,343.93	3,711.13	4,078.33	4,445.53	4,812.73	5,167.78
1/2	75.72	415.34	781.18	1,148.38	1,515.58	1,882.78	2,249.98	2,617.18	2,984.38	3,351.58	3,718.78	4,085.98	4,453.18	4,820.38	5,172.61
3/4	82.46	422.82	788.83	1,156.03	1,523.23	1,890.43	2,257.63	2,624.83	2,992.03	3,359.23	3,726.43	4,093.63	4,460.83	4,828.03	5,177.43
3	89.19	430.30	796.48	1,163.68	1,530.88	1,898.08	2,265.28	2,632.48	2,999.68	3,366.88	3,734.08	4,101.28	4,468.48	4,835.68	5,182.26
1/4	95.92	437.79	804.13	1,171.33	1,538.53	1,905.73	2,272.93	2,640.13	3,007.33	3,374.53	3,741.73	4,108.93	4,476.13	4,843.33	5,185.95
1/2	102.65	445.27	811.78	1,178.98	1,546.18	1,913.38	2,280.58	2,647.78	3,014.98	3,382.18	3,749.38	4,116.58	4,483.78	4,850.98	5,189.64
3/4	109.38	452.75	819.43	1,186.63	1,553.83	1,921.03	2,288.23	2,655.43	3,022.63	3,389.83	3,757.03	4,124.23	4,491.43	4,858.63	5,193.33
4	116.12	460.23	827.08	1,194.28	1,561.48	1,928.68	2,295.88	2,663.08	3,030.28	3,397.48	3,764.68	4,131.88	4,499.08	4,866.28	5,197.02
1/4	122.97	467.84	834.73	1,201.93	1,569.33	1,936.33	2,303.53	2,670.73	3,037.93	3,405.13	3,772.33	4,139.53	4,506.73	4,873.93	5,199.58
1/2	129.83	475.44	842.38	1,209.58	1,576.78	1,943.98	2,311.18	2,678.38	3,045.58	3,412.78	3,779.98	4,147.18	4,514.38	4,881.58	5,202.13
3/4	136.68	483.05	850.03	1,217.23	1,584.43	1,951.63	2,318.83	2,686.03	3,053.23	3,420.43	3,787.63	4,154.83	4,522.03	4,889.23	5,204.69
5	143.54	490.66	857.68	1,224.88	1,592.08	1,959.28	2,326.48	2,693.68	3,060.88	3,428.08	3,795.28	4,162.48	4,529.68	4,896.88	5,207.24
1/4	150.40	498.26	865.33	1,232.53	1,599.73	1,966.93	2,334.13	2,701.33	3,068.53	3,435.73	3,802.93	4,170.13	4,537.33	4,904.53	5,208.66
1/2	157.25	505.87	872.98	1,240.18	1,607.38	1,974.58	2,341.78	2,708.98	3,076.18	3,443.38	3,810.58	4,177.78	4,544.98	4,912.18	5,210.08
3/4	164.11	513.48	880.63	1,247.83	1,615.03	1,982.23	2,349.43	2,716.63	3,083.83	3,451.03	3,818.23	4,185.43	4,552.63	4,919.83	5,211.50
6	170.96	521.08	888.28	1,255.48	1,622.68	1,989.88	2,357.08	2,724.28	3,091.48	3,458.68	3,825.88	4,193.08	4,560.68	4,927.48	5,212.92
1/4	177.95	528.73	895.93	1,263.13	1,630.33	1,997.93	2,364.73	2,731.33	3,098.53	3,465.73	3,832.53	4,200.73	4,567.93	4,934.53	5,213.35
1/2	184.93	536.38	903.58	1,270.78	1,637.98	2,005.18	2,372.38	2,739.58	3,106.78	3,473.98	3,841.18	4,208.38	4,575.58	4,942.78	5,213.77
3/4	191.91	544.03	911.23	1,278.43	1,645.63	2,012.83	2,380.03	2,747.23	3,114.43	3,481.63	3,848.83	4,216.03	4,583.23	4,950.43	5,214.19
7	198.89	551.68	918.88	1,286.08	1,653.28	2,020.48	2,387.68	2,754.88	3,122.08	3,489.28	3,856.48	4,223.68	4,590.88	4,958.08	5,214.62
1/4	205.87	559.33	926.53	1,293.73	1,660.93	2,028.13	2,395.33	2,762.53	3,129.73	3,496.93	3,864.13	4,231.33	4,598.53	4,965.73	5,215.05
1/2	212.86	566.98	934.18	1,301.38	1,668.58	2,035.78	2,402.88	2,770.18	3,137.38	3,504.58	3,871.78	4,238.98	4,606.18	4,973.38	5,215.48
3/4	219.84	574.63	941.83	1,309.03	1,676.23	2,043.43	2,410.63	2,777.83	3,145.03	3,512.83	3,879.43	4,246.63	4,613.83	4,981.03	5,215.91
8	226.82	582.28	949.48	1,316.68	1,683.88	2,051.08	2,418.28	2,785.48	3,152.68	3,519.88	3,887.08	4,254.28	4,621.48	4,988.68	5,216.34
1/4	233.93	589.93	957.13	1,324.33	1,691.53	2,058.73	2,425.93	2,793.13	3,160.33	3,527.53	3,894.73	4,261.93	4,629.13	4,996.33	5,216.77
1/2	241.03	597.58	964.78	1,331.98	1,699.18	2,066.38	2,433.58	2,800.78	3,167.98	3,535.18	3,902.38	4,269.58	4,636.78	5,003.98	5,217.20
3/4	248.14	605.30	972.43	1,339.63	1,706.83	2,074.03	2,441.23	2,808.43	3,175.63	3,542.83	3,910.03	4,277.23	4,644.43	5,011.63	5,217.63
9	255.25	612.88	980.08	1,347.28	1,714.48	2,081.68	2,448.88	2,816.08	3,183.28	3,550.48	3,917.68	4,284.88	4,652.08	5,019.28	5,218.06
1/4	262.36	620.53	987.73	1,354.93	1,722.13	2,089.93	2,456.53	2,823.73	3,190.93	3,558.13	3,925.33	4,292.53	4,659.73	5,026.93	5,218.49
1/2	269.46	628.18	995.38	1,362.58	1,729.73	2,096.98	2,464.18	2,831.38	3,198.58	3,565.78	3,932.98	4,300.18	4,667.38	5,034.58	5,218.92
3/4	276.57	635.83	1,003.03	1,370.23	1,737.43	2,104.63	2,471.83	2,838.03	3,206.23	3,573.43	3,940.63	4,307.83	4,675.03	5,042.23	5,219.35
10	283.68	643.48	1,010.68	1,377.88	1,745.08	2,112.28	2,479.48	2,846.68	3,213.88	3,581.08	3,948.28	4,315.48	4,682.68	5,049.88	5,219.78
1/4	290.91	651.13	1,018.33	1,385.53	1,752.73	2,119.93	2,487.13	2,854.33	3,221.53	3,588.93	3,955.93	4,323.13	4,690.33	5,057.53	5,220.21
1/2	298.14	658.78	1,025.98	1,393.18	1,760.38	2,127.58	2,494.78	2,861.98	3,229.18	3,596.38	3,963.58	4,330.78	4,697.98	5,065.18	5,220.64
3/4	305.37	666.43	1,033.63	1,400.83	1,768.03	2,135.23	2,502.43	2,869.63	3,236.83	3,604.03	3,971.23	4,338.43	4,705.63	5,072.83	5,221.07
11	312.60	674.08	1,041.28	1,408.48	1,775.68	2,142.88	2,510.08	2,877.28	3,244.48	3,611.68	3,978.88	4,346.08	4,713.28	5,080.48	5,221.50
1/4	319.83	681.73	1,048.93	1,416.13	1,783.33	2,150.53	2,517.73	2,884.93	3,252.13	3,619.33	3,986.53	4,353.73	4,720.93	5,088.13	5,221.93
1/2	327.06	689.38	1,056.58	1,423.78	1,790.98	2,158.98	2,525.38	2,892.58	3,259.78	3,626.98	3,994.18	4,361.38	4,728.58	5,095.78	5,222.36
3/4	334.29	697.03	1,064.23	1,431.43	1,798.63	2,165.83	2,533.03	2,900.23	3,267.43	3,634.63	4,001.83	4,369.03	4,736.23	5,103.43	5,222.79

MAP 614

COMPARTMENT: 1 STAR

GAUGE HEIGHT: 15' 5"

STRAPPED: 6/15/04

COMPUTED IN BARRELS

GAUGE TYPE: INNAUGE

RIM OF 2" DIAMETER BALL VALVE LOCATED NEAR CENTER OF TANK
BARGE SHOULD BE ON EVEN KEEL WHEN GAUGES ARE TAKEN

IN	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT
0	17.21	341.52	704.68	1,071.88	1,439.08	1,806.28	2,173.48	2,540.68	2,907.88	3,275.08	3,642.28	4,009.48	4,376.68	4,743.88	5,111.08
1/4	22.08	348.88	712.33	1,079.58	1,446.78	1,813.98	2,181.18	2,548.33	2,915.53	3,282.73	3,649.93	4,017.13	4,384.33	4,751.53	5,118.19
1/2	26.96	356.24	719.98	1,087.18	1,454.38	1,821.58	2,188.78	2,555.98	2,923.18	3,290.38	3,657.58	4,024.78	4,391.98	4,759.18	5,125.29
3/4	31.83	363.60	727.63	1,094.83	1,462.03	1,829.23	2,196.43	2,563.63	2,930.83	3,298.03	3,665.23	4,032.43	4,399.63	4,766.83	5,132.39
1	36.70	370.95	735.28	1,102.48	1,469.68	1,836.88	2,204.08	2,571.28	2,938.48	3,305.68	3,672.88	4,040.08	4,407.28	4,774.48	5,139.49
1/4	42.88	378.31	742.93	1,110.13	1,477.33	1,844.53	2,211.73	2,578.93	2,946.13	3,313.33	3,680.53	4,047.73	4,414.93	4,782.13	5,145.36
1/2	49.05	385.67	750.58	1,117.78	1,484.98	1,852.18	2,219.38	2,586.58	2,953.78	3,320.98	3,688.18	4,055.38	4,422.58	4,789.78	5,151.22
3/4	55.66	393.02	758.23	1,125.43	1,492.63	1,859.83	2,227.03	2,594.23	2,961.43	3,328.63	3,695.83	4,063.03	4,430.23	4,797.43	5,157.09
2	62.26	400.38	765.88	1,133.08	1,500.28	1,867.48	2,234.68	2,601.88	2,969.08	3,336.28	3,703.48	4,070.68	4,437.88	4,805.08	5,162.95
1/4	68.99	407.86	773.53	1,140.73	1,507.93	1,875.13	2,242.33	2,609.53	2,976.73	3,343.93	3,711.13	4,078.33	4,445.53	4,812.73	5,167.78
1/2	75.72	415.34	781.18	1,148.38	1,515.58	1,882.78	2,249.98	2,617.18	2,984.38	3,351.58	3,718.78	4,085.98	4,453.18	4,820.38	5,172.61
3/4	82.46	422.82	788.83	1,156.03	1,523.23	1,890.43	2,257.63	2,624.83	2,992.03	3,359.23	3,726.43	4,093.63	4,460.83	4,828.03	5,177.43
3	89.19	430.30	796.48	1,163.68	1,530.88	1,898.08	2,265.28	2,632.48	2,999.68	3,366.88	3,734.08	4,101.28	4,468.48	4,835.68	5,182.26
1/4	95.92	437.79	804.13	1,171.33	1,538.53	1,905.73	2,272.93	2,640.13	3,007.33	3,374.53	3,741.73	4,108.93	4,476.13	4,843.33	5,185.95
1/2	102.65	445.27	811.78	1,178.98	1,546.18	1,913.38	2,280.58	2,647.78	3,014.98	3,382.18	3,749.38	4,116.58	4,483.78	4,850.98	5,189.64
3/4	109.38	452.75	819.43	1,186.63	1,553.83	1,921.03	2,288.23	2,655.43	3,022.63	3,389.83	3,757.03	4,124.23	4,491.43	4,858.63	5,193.33
4	116.12	460.23	827.08	1,194.28	1,561.48	1,928.68	2,295.88	2,663.08	3,030.28	3,397.48	3,764.68	4,131.88	4,499.08	4,866.28	5,197.02
1/4	122.97	467.84	834.73	1,201.93	1,569.13	1,936.33	2,303.53	2,670.73	3,037.93	3,405.13	3,772.33	4,139.53	4,506.73	4,873.93	5,199.58
1/2	129.83	475.44	842.38	1,209.58	1,576.78	1,943.98	2,311.18	2,678.38	3,045.58	3,412.78	3,779.98	4,147.18	4,514.38	4,881.58	5,202.13
3/4	136.68	483.05	850.03	1,217.23	1,584.43	1,951.63	2,318.83	2,686.03	3,053.23	3,420.43	3,787.63	4,154.83	4,522.03	4,889.23	5,204.69
5	143.54	490.66	857.68	1,224.88	1,592.08	1,959.28	2,326.48	2,693.68	3,060.88	3,428.08	3,795.28	4,162.48	4,529.68	4,896.88	5,207.24
1/4	150.40	498.26	865.33	1,232.53	1,599.73	1,966.93	2,334.13	2,701.33	3,068.53	3,435.73	3,802.93	4,170.13	4,537.33	4,904.53	5,208.66
1/2	157.25	505.87	872.98	1,240.18	1,607.38	1,974.58	2,341.78	2,708.98	3,076.18	3,443.38	3,810.58	4,177.78	4,544.98	4,912.18	5,210.66
3/4	164.11	513.48	880.63	1,247.83	1,615.03	1,982.23	2,349.43	2,716.63	3,083.83	3,451.03	3,818.23	4,185.43	4,552.63	4,919.83	5,211.50
6	170.96	521.08	888.28	1,255.48	1,622.68	1,989.88	2,357.08	2,724.28	3,091.48	3,458.68	3,825.88	4,193.08	4,560.28	4,927.48	5,212.92
1/4	177.95	528.73	895.93	1,263.13	1,630.33	1,997.93	2,364.73	2,731.93	3,099.13	3,466.33	3,833.53	4,200.73	4,567.93	4,935.13	5,213.35
1/2	184.93	536.38	903.58	1,270.78	1,637.98	2,005.18	2,372.38	2,739.58	3,106.78	3,473.98	3,841.18	4,208.38	4,575.58	4,942.78	5,213.77
3/4	191.91	544.03	911.23	1,278.43	1,645.63	2,012.83	2,380.03	2,747.23	3,114.43	3,481.63	3,848.83	4,216.03	4,583.23	4,950.43	5,214.19
7	198.89	551.68	918.88	1,286.08	1,653.28	2,020.48	2,387.68	2,754.88	3,122.08	3,489.28	3,856.48	4,223.68	4,590.88	4,958.08	
1/4	205.87	559.33	926.53	1,293.73	1,660.93	2,028.13	2,395.33	2,762.53	3,129.73	3,496.93	3,864.13	4,231.33	4,598.53	4,965.73	
1/2	212.86	566.98	934.18	1,301.38	1,668.58	2,035.78	2,402.98	2,770.18	3,137.38	3,504.58	3,871.78	4,238.98	4,606.18	4,973.38	
3/4	219.84	574.63	941.83	1,309.03	1,676.23	2,043.43	2,410.63	2,777.83	3,145.03	3,512.23	3,879.43	4,246.63	4,613.83	4,981.03	
8	226.82	582.28	949.48	1,316.68	1,683.88	2,051.08	2,418.28	2,785.48	3,152.68	3,519.88	3,887.08	4,254.28	4,621.48	4,988.68	
1/4	233.93	589.93	957.13	1,324.33	1,691.53	2,058.73	2,425.93	2,793.13	3,160.33	3,527.53	3,894.73	4,261.93	4,629.13	4,996.33	
1/2	241.03	597.58	964.78	1,331.98	1,699.18	2,066.38	2,433.58	2,800.78	3,167.98	3,535.18	3,902.38	4,269.58	4,636.78	5,003.98	
3/4	248.14	605.30	972.43	1,339.63	1,706.83	2,074.03	2,441.23	2,808.43	3,175.63	3,542.83	3,910.03	4,277.23	4,644.43	5,011.63	
9	255.25	612.88	980.08	1,347.28	1,714.48	2,081.68	2,448.88	2,816.08	3,183.28	3,550.48	3,917.68	4,284.88	4,652.08	5,019.28	
1/4	262.36	620.53	987.73	1,354.93	1,722.13	2,089.33	2,456.53	2,823.73	3,190.93	3,558.13	3,925.33	4,292.53	4,659.73	5,026.93	
1/2	269.46	628.18	995.38	1,362.58	1,729.73	2,096.98	2,464.18	2,831.38	3,198.58	3,565.78	3,932.98	4,300.18	4,667.38	5,034.58	
3/4	276.57	635.83	1,003.03	1,370.23	1,737.43	2,104.63	2,471.83	2,839.03	3,206.23	3,573.43	3,940.63	4,307.83	4,675.03	5,042.23	
10	283.68	643.48	1,010.68	1,377.88	1,745.08	2,112.28	2,479.48	2,846.68	3,213.88	3,581.08	3,948.28	4,315.48	4,682.68	5,049.88	
1/4	290.91	651.13	1,018.33	1,385.93	1,752.73	2,119.58	2,487.13	2,854.33	3,221.53	3,588.73	3,955.93	4,323.13	4,690.33	5,057.53	
1/2	298.14	658.78	1,025.98	1,393.18	1,760.38	2,127.58	2,494.78	2,861.98	3,229.18	3,596.38	3,963.58	4,330.78	4,697.98	5,065.18	
3/4	305.37	666.43	1,033.63	1,400.83	1,768.03	2,135.23	2,502.43	2,869.63	3,236.83	3,604.03	3,971.23	4,338.43	4,705.63	5,072.83	
11	312.60	674.08	1,041.28	1,408.48	1,775.68	2,142.88	2,510.08	2,877.28	3,244.48	3,611.68	3,978.88	4,346.08	4,713.28	5,080.48	
1/4	319.83	681.73	1,048.93	1,416.13	1,783.33	2,150.53	2,517.73	2,884.93	3,252.13	3,619.33	3,986.63	4,353.73	4,720.93	5,088.13	
1/2	327.06	689.38	1,056.58	1,423.78	1,790.98	2,158.18	2,525.38	2,892.58	3,259.78	3,626.98	3,994.18	4,361.38	4,728.58	5,095.78	
3/4	334.29	697.03	1,064.23	1,431.43	1,798.63	2,165.83	2,533.03	2,900.23	3,267.43	3,634.63	4,001.83	4,369.03	4,736.23	5,103.43	

MAP 614

COMPARTMENT: 2 PORT

GAUGE HEIGHT: 15' 5 3/4"

STRAPED: 6/15/04

COMPUTED IN BARRELS

GAUGE TYPE: INNAGE

BARGE SHOULD BE ON EVEN KEEL WHEN GAUGES ARE TAKEN

	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT
0	16.40	351.77	696.37	1,040.96	1,385.55	1,730.14	2,074.73	2,419.33	2,763.92	3,108.51	3,453.10	3,797.69	4,142.29	4,486.88	4,829.35
1/4	21.53	358.95	703.54	1,048.14	1,392.73	1,737.32	2,081.91	2,426.51	2,771.10	3,115.69	3,460.28	3,804.87	4,149.47	4,494.06	4,835.96
1/2	26.66	366.13	710.72	1,055.32	1,399.91	1,744.50	2,089.09	2,433.68	2,778.28	3,122.87	3,467.46	3,812.05	4,156.64	4,501.24	4,842.56
3/4	31.79	373.31	717.90	1,062.50	1,407.09	1,751.68	2,096.27	2,440.86	2,785.46	3,130.05	3,474.64	3,819.23	4,163.82	4,508.37	4,849.16
1	36.95	380.49	725.08	1,069.67	1,414.27	1,758.86	2,103.45	2,448.04	2,792.63	3,137.23	3,481.82	3,826.41	4,171.00	4,515.50	4,855.76
1/4	43.59	387.67	732.28	1,076.85	1,421.45	1,766.04	2,110.63	2,455.22	2,799.81	3,144.41	3,489.00	3,833.59	4,178.18	4,522.64	4,861.34
1/2	50.26	394.85	739.44	1,084.03	1,428.62	1,773.22	2,117.81	2,462.40	2,806.99	3,151.58	3,496.18	3,840.77	4,185.36	4,529.77	4,868.93
3/4	57.44	402.03	746.62	1,091.21	1,435.80	1,780.40	2,124.99	2,469.58	2,814.17	3,158.76	3,503.36	3,847.95	4,192.54	4,536.90	4,872.51
2	64.61	409.21	753.80	1,098.39	1,442.98	1,787.57	2,132.17	2,476.76	2,821.35	3,165.94	3,510.53	3,855.13	4,199.72	4,544.03	4,878.09
1/4	71.79	416.38	760.98	1,105.57	1,450.16	1,794.75	2,139.35	2,483.94	2,828.53	3,173.12	3,517.71	3,862.31	4,206.90	4,551.17	4,882.62
1/2	78.97	423.56	768.16	1,112.75	1,457.34	1,801.93	2,146.52	2,491.12	2,835.71	3,180.30	3,524.89	3,869.48	4,214.08	4,558.30	4,887.14
3/4	86.15	430.74	775.33	1,119.93	1,464.52	1,809.11	2,153.70	2,498.30	2,842.89	3,187.48	3,532.07	3,876.66	4,221.26	4,565.43	4,891.66
3	93.33	437.92	782.51	1,127.11	1,471.70	1,816.29	2,160.88	2,505.47	2,850.07	3,194.66	3,539.25	3,883.84	4,228.43	4,572.57	4,896.18
1/4	100.51	445.10	789.69	1,134.29	1,478.88	1,823.47	2,168.06	2,512.65	2,857.25	3,201.84	3,546.43	3,891.02	4,235.61	4,579.70	4,899.63
1/2	107.69	452.28	796.87	1,141.46	1,486.06	1,830.65	2,175.24	2,519.83	2,864.42	3,209.02	3,553.61	3,898.20	4,242.79	4,586.83	4,903.09
3/4	114.87	459.46	804.05	1,148.64	1,493.24	1,837.83	2,182.42	2,527.01	2,871.60	3,216.20	3,560.79	3,905.38	4,249.97	4,593.87	4,906.55
4	122.05	466.64	811.23	1,155.82	1,500.41	1,845.01	2,189.60	2,534.19	2,878.78	3,223.37	3,567.97	3,912.56	4,257.15	4,601.10	4,910.00
1/4	129.23	473.82	818.41	1,163.00	1,507.59	1,852.19	2,196.78	2,541.37	2,885.96	3,230.55	3,575.15	3,919.74	4,264.33	4,608.23	4,912.39
1/2	136.40	481.00	825.59	1,170.18	1,514.77	1,859.56	2,203.96	2,548.55	2,893.14	3,237.73	3,582.32	3,926.92	4,271.51	4,615.36	4,914.79
3/4	143.58	488.17	832.77	1,177.36	1,521.95	1,866.54	2,211.14	2,555.73	2,900.32	3,244.91	3,589.50	3,934.10	4,278.69	4,622.50	4,917.18
5	150.76	495.35	839.95	1,184.54	1,529.13	1,873.72	2,218.31	2,562.91	2,907.50	3,252.09	3,596.68	3,941.27	4,285.87	4,629.63	4,919.57
1/4	157.94	502.53	847.12	1,191.72	1,536.31	1,880.90	2,225.49	2,570.09	2,914.68	3,259.27	3,603.86	3,948.45	4,293.05	4,636.76	4,920.90
1/2	165.12	509.71	854.30	1,198.90	1,543.49	1,888.08	2,232.67	2,577.26	2,921.86	3,266.45	3,611.04	3,955.63	4,300.22	4,643.90	4,922.22
3/4	172.30	516.89	861.48	1,206.08	1,550.67	1,895.26	2,239.85	2,584.44	2,929.04	3,273.63	3,618.22	3,962.81	4,307.40	4,651.03	4,923.55
6	179.48	524.07	868.66	1,213.25	1,557.85	1,902.44	2,247.03	2,591.62	2,936.21	3,280.81	3,625.40	3,969.99	4,314.58	4,658.16	4,924.88
1/4	186.66	531.25	875.84	1,220.43	1,565.03	1,909.62	2,254.21	2,598.80	2,943.39	3,287.99	3,632.58	3,977.17	4,321.76	4,665.30	4,925.27
1/2	193.84	538.43	883.02	1,227.61	1,572.20	1,916.80	2,261.39	2,605.98	2,950.57	3,295.16	3,639.76	3,984.35	4,328.94	4,672.43	4,925.67
3/4	201.02	545.61	890.20	1,234.79	1,579.38	1,923.98	2,268.57	2,613.16	2,957.75	3,302.34	3,646.94	3,991.53	4,336.12	4,679.56	4,926.07
7	208.19	552.79	897.38	1,241.97	1,586.56	1,931.15	2,275.75	2,620.34	2,964.93	3,309.52	3,654.11	3,998.71	4,343.30	4,686.69	
1/4	215.37	559.96	904.56	1,249.15	1,593.74	1,938.33	2,282.93	2,627.52	2,972.11	3,316.70	3,661.29	4,005.89	4,350.48	4,693.83	
1/2	222.55	567.14	911.74	1,256.33	1,600.92	1,945.51	2,290.10	2,634.70	2,979.29	3,323.88	3,668.47	4,013.06	4,357.66	4,700.96	
3/4	229.73	574.32	918.91	1,263.51	1,608.10	1,952.69	2,297.28	2,641.88	2,986.47	3,331.06	3,675.65	4,020.24	4,364.84	4,708.09	
8	236.91	581.50	926.09	1,270.69	1,615.28	1,959.87	2,304.46	2,649.05	2,993.65	3,338.24	3,682.83	4,027.42	4,372.01	4,715.23	
1/4	244.09	588.68	933.27	1,277.87	1,622.46	1,967.05	2,311.64	2,656.23	3,000.83	3,345.42	3,690.01	4,034.60	4,379.19	4,722.36	
1/2	251.27	595.86	940.45	1,285.04	1,629.64	1,974.23	2,318.82	2,663.41	3,008.00	3,352.60	3,697.19	4,041.78	4,386.37	4,729.49	
3/4	258.45	603.04	947.63	1,292.22	1,636.82	1,981.41	2,326.00	2,670.59	3,015.18	3,359.78	3,704.37	4,048.96	4,393.55	4,736.63	
9	265.63	610.22	954.81	1,299.40	1,643.99	1,988.59	2,333.18	2,677.77	3,022.36	3,366.95	3,711.55	4,056.14	4,400.73	4,743.76	
1/4	272.81	617.40	961.99	1,306.58	1,651.17	1,995.77	2,340.36	2,684.95	3,029.54	3,374.13	3,718.73	4,063.32	4,407.91	4,750.89	
1/2	279.98	624.58	969.17	1,313.76	1,658.35	2,002.94	2,347.54	2,692.13	3,036.72	3,381.31	3,725.90	4,070.50	4,415.09	4,758.02	
3/4	287.16	631.75	976.35	1,320.94	1,665.53	2,010.12	2,354.72	2,699.31	3,043.90	3,388.49	3,733.08	4,077.68	4,422.27	4,765.16	
10	294.34	638.93	983.53	1,328.12	1,672.71	2,017.30	2,361.89	2,706.49	3,051.08	3,395.67	3,740.26	4,084.85	4,429.45	4,772.29	
1/4	301.52	646.11	990.70	1,335.30	1,679.89	2,024.48	2,369.07	2,713.67	3,058.26	3,402.85	3,747.44	4,092.03	4,436.63	4,779.42	
1/2	308.70	653.29	997.88	1,342.48	1,687.07	2,031.66	2,376.25	2,720.84	3,065.44	3,410.03	3,754.62	4,099.21	4,443.80	4,786.56	
3/4	315.88	660.47	1,005.06	1,349.66	1,694.25	2,038.84	2,383.43	2,728.02	3,072.62	3,417.21	3,761.80	4,106.39	4,450.98	4,793.69	
11	323.06	667.65	1,012.24	1,356.83	1,701.43	2,046.02	2,390.61	2,735.20	3,079.79	3,424.39	3,768.98	4,113.57	4,458.16	4,800.82	
1/4	330.24	674.83	1,019.42	1,364.01	1,708.61	2,053.20	2,397.79	2,742.38	3,086.97	3,431.57	3,776.16	4,120.75	4,465.34	4,807.96	
1/2	337.42	682.01	1,026.60	1,371.19	1,715.78	2,060.38	2,404.97	2,749.56	3,094.15	3,438.74	3,783.34	4,127.93	4,472.52	4,815.09	
3/4	344.60	689.19	1,033.78	1,378.37	1,722.96	2,067.56	2,412.15	2,756.74	3,101.33	3,445.92	3,790.52	4,135.11	4,479.70	4,822.22	

MAP 614

COMPARTMENT: 2 STAR

GAUGE HEIGHT: 15' 5 1/2"

STRAPPED: 6/15/04

COMPUTED IN BARRELS

GAUGE TYPE: INNAGE

BARGE SHOULD BE ON EVEN KEEL WHEN GAUGES ARE TAKEN

	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT
0	16.40	351.77	696.37	1,040.96	1,385.55	1,730.14	2,074.73	2,419.33	2,763.92	3,108.51	3,453.10	3,797.69	4,142.29	4,486.88	4,829.35
1/4	21.53	358.95	703.54	1,048.14	1,392.73	1,737.32	2,081.91	2,426.51	2,771.10	3,115.69	3,460.28	3,804.87	4,149.47	4,494.06	4,835.96
1/2	26.66	366.13	710.72	1,055.32	1,399.91	1,744.50	2,089.09	2,433.68	2,778.28	3,122.87	3,467.46	3,812.05	4,156.64	4,501.24	4,842.56
3/4	31.79	373.31	717.90	1,062.50	1,407.09	1,751.68	2,096.27	2,440.86	2,785.46	3,130.05	3,474.64	3,819.23	4,163.82	4,508.37	4,849.16
1	36.95	380.49	725.08	1,069.67	1,414.27	1,758.86	2,103.45	2,448.04	2,792.63	3,137.23	3,481.82	3,826.41	4,171.00	4,515.50	4,855.76
1/4	43.59	387.67	732.26	1,076.85	1,421.45	1,766.04	2,110.63	2,455.22	2,799.81	3,144.41	3,488.00	3,833.59	4,178.18	4,522.64	4,861.34
1/2	50.26	394.85	739.44	1,084.03	1,428.62	1,773.22	2,117.81	2,462.40	2,806.99	3,151.58	3,496.18	3,840.77	4,185.36	4,529.77	4,868.93
3/4	57.44	402.03	746.62	1,091.21	1,435.80	1,780.40	2,124.99	2,469.58	2,814.17	3,158.76	3,503.36	3,847.95	4,192.54	4,536.90	4,872.51
2	64.61	409.21	753.80	1,098.39	1,442.98	1,787.57	2,132.17	2,476.76	2,821.35	3,165.94	3,510.53	3,855.13	4,199.72	4,544.03	4,878.09
1/4	71.79	416.38	760.98	1,105.57	1,450.16	1,794.75	2,139.35	2,483.94	2,828.53	3,173.12	3,517.71	3,862.31	4,206.90	4,551.17	4,882.62
1/2	78.97	423.56	768.16	1,112.75	1,457.34	1,801.93	2,146.52	2,491.12	2,835.71	3,180.30	3,524.89	3,869.48	4,214.08	4,558.30	4,887.14
3/4	86.15	430.74	775.33	1,119.93	1,464.52	1,808.11	2,153.70	2,498.30	2,842.89	3,187.48	3,532.07	3,876.66	4,221.26	4,565.43	4,891.66
3	93.33	437.92	782.51	1,127.11	1,471.70	1,816.29	2,160.88	2,505.47	2,850.07	3,194.66	3,539.25	3,883.84	4,228.43	4,572.57	4,896.18
1/4	100.51	445.10	789.69	1,134.29	1,478.88	1,823.47	2,168.06	2,512.65	2,857.25	3,201.84	3,546.43	3,891.02	4,235.61	4,579.70	4,899.63
1/2	107.69	452.28	796.87	1,141.46	1,486.06	1,830.65	2,175.24	2,519.83	2,864.42	3,209.02	3,553.61	3,898.20	4,242.79	4,586.83	4,903.09
3/4	114.87	459.46	804.05	1,148.64	1,493.24	1,837.83	2,182.42	2,527.01	2,871.60	3,216.20	3,560.79	3,905.38	4,249.97	4,593.87	4,906.55
4	122.05	466.64	811.23	1,155.82	1,500.41	1,845.01	2,189.60	2,534.19	2,878.78	3,223.37	3,567.97	3,912.56	4,257.15	4,601.10	4,910.00
1/4	129.23	473.82	818.41	1,163.00	1,507.59	1,852.19	2,196.78	2,541.37	2,885.96	3,230.55	3,575.15	3,919.74	4,264.33	4,608.23	4,912.39
1/2	136.40	481.00	825.59	1,170.18	1,514.77	1,859.38	2,203.96	2,548.55	2,893.14	3,237.73	3,582.32	3,926.92	4,271.51	4,615.36	4,914.79
3/4	143.58	488.17	832.77	1,177.36	1,521.95	1,866.54	2,211.14	2,555.73	2,900.32	3,244.91	3,589.50	3,934.10	4,278.69	4,622.50	4,917.18
5	150.76	495.35	839.95	1,184.54	1,529.13	1,873.72	2,218.31	2,562.91	2,907.50	3,252.09	3,596.68	3,941.27	4,285.87	4,629.63	4,919.57
1/4	157.94	502.53	847.12	1,191.72	1,536.31	1,880.90	2,225.49	2,570.09	2,914.68	3,259.27	3,603.86	3,948.45	4,293.05	4,636.76	4,920.90
1/2	165.12	509.71	854.30	1,198.90	1,543.49	1,888.08	2,232.67	2,577.26	2,921.86	3,266.45	3,611.04	3,955.63	4,300.22	4,643.90	4,922.22
3/4	172.30	516.89	861.48	1,206.08	1,550.67	1,895.26	2,239.85	2,584.44	2,929.04	3,273.63	3,618.22	3,962.81	4,307.40	4,651.03	4,923.55
6	179.48	524.07	868.66	1,213.25	1,557.85	1,902.44	2,247.03	2,591.62	2,936.21	3,280.81	3,625.40	3,969.98	4,314.58	4,658.16	4,924.88
1/4	186.66	531.25	875.84	1,220.43	1,565.03	1,909.62	2,254.21	2,598.80	2,943.39	3,287.99	3,632.58	3,977.17	4,321.76	4,665.30	4,925.27
1/2	193.84	538.43	883.02	1,227.61	1,572.20	1,916.80	2,261.39	2,605.98	2,950.57	3,295.16	3,639.76	3,984.35	4,328.94	4,672.43	4,925.67
3/4	201.02	545.61	890.20	1,234.79	1,579.38	1,923.98	2,268.57	2,613.16	2,957.75	3,302.34	3,646.94	3,991.53	4,336.12	4,679.56	4,926.07
7	208.19	552.79	897.38	1,241.97	1,586.56	1,931.15	2,275.75	2,620.34	2,964.93	3,309.52	3,654.11	3,998.71	4,343.30	4,686.68	
1/4	215.37	559.96	904.56	1,249.15	1,593.74	1,938.33	2,282.93	2,627.52	2,972.11	3,316.70	3,661.29	4,005.89	4,350.48	4,693.83	
1/2	222.55	567.14	911.74	1,256.33	1,600.92	1,945.51	2,290.10	2,634.70	2,979.29	3,323.88	3,668.47	4,013.06	4,357.66	4,700.96	
3/4	229.73	574.32	918.91	1,263.51	1,608.10	1,952.69	2,297.28	2,641.88	2,986.47	3,331.06	3,675.65	4,020.24	4,364.84	4,708.09	
8	236.91	581.50	926.09	1,270.69	1,615.28	1,959.87	2,304.46	2,649.05	2,993.65	3,338.24	3,682.83	4,027.42	4,372.01	4,715.23	
1/4	244.09	588.68	933.27	1,277.87	1,622.46	1,967.05	2,311.64	2,656.23	3,000.83	3,345.42	3,690.01	4,034.60	4,379.19	4,722.36	
1/2	251.27	595.86	940.45	1,285.04	1,629.64	1,974.23	2,318.82	2,663.41	3,008.00	3,352.60	3,697.19	4,041.78	4,386.37	4,729.49	
3/4	258.45	603.04	947.63	1,292.22	1,636.82	1,981.41	2,326.00	2,670.59	3,015.18	3,359.78	3,704.37	4,048.96	4,393.55	4,736.63	
9	265.63	610.22	954.81	1,299.40	1,643.99	1,988.59	2,333.18	2,677.77	3,022.36	3,366.95	3,711.55	4,056.14	4,400.73	4,743.76	
1/4	272.81	617.40	961.99	1,306.58	1,651.17	1,995.77	2,340.36	2,684.95	3,029.54	3,374.13	3,718.73	4,063.32	4,407.91	4,750.89	
1/2	279.98	624.58	969.17	1,313.76	1,658.35	2,002.94	2,347.54	2,692.13	3,036.72	3,381.31	3,725.90	4,070.50	4,415.09	4,758.02	
3/4	287.16	631.75	976.35	1,320.94	1,665.53	2,010.12	2,354.72	2,699.31	3,043.90	3,388.49	3,733.08	4,077.68	4,422.27	4,765.16	
10	294.34	638.93	983.53	1,328.12	1,672.71	2,017.30	2,361.89	2,706.49	3,051.08	3,395.67	3,740.26	4,084.85	4,429.45	4,772.29	
1/4	301.52	646.11	990.70	1,335.30	1,679.89	2,024.48	2,369.07	2,713.67	3,058.26	3,402.85	3,747.44	4,092.03	4,436.63	4,779.42	
1/2	308.70	653.29	997.88	1,342.48	1,687.07	2,031.66	2,376.25	2,720.84	3,065.44	3,410.03	3,754.62	4,099.21	4,443.80	4,786.56	
3/4	315.88	660.47	1,005.06	1,349.66	1,694.25	2,038.84	2,383.43	2,728.02	3,072.62	3,417.21	3,761.80	4,106.39	4,450.98	4,793.69	
11	323.06	667.65	1,012.24	1,356.83	1,701.43	2,046.02	2,390.61	2,735.20	3,079.79	3,424.39	3,768.98	4,113.57	4,458.16	4,800.82	
1/4	330.24	674.83	1,019.42	1,364.01	1,708.61	2,053.20	2,397.79	2,742.38	3,086.97	3,431.57	3,776.16	4,120.75	4,465.34	4,807.96	
1/2	337.42	682.01	1,026.60	1,371.19	1,715.78	2,060.38	2,404.97	2,749.56	3,094.15	3,438.74	3,783.34	4,127.93	4,472.52	4,815.09	
3/4	344.60	689.19	1,033.78	1,378.37	1,722.96	2,067.56	2,412.15	2,756.74	3,101.33	3,445.92	3,790.52	4,135.11	4,479.70	4,822.22	

MAP 614

COMPARTMENT: 3 PORT

GAUGE HEIGHT: 15' 5 1/2"

STRAPED: 6/15/04

COMPUTED IN BARRELS

GAUGE TYPE: INNAGE

RIM OF 2" DIAMETER BALL VALVE LOCATED NEAR CENTER OF TANK
BARGE SHOULD BE ON EVEN KEEL WHEN GAUGES ARE TAKEN

	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT
0	17.41	373.42	738.91	1,102.91	1,467.47	1,832.03	2,196.59	2,561.15	2,925.71	3,290.27	3,655.22	3,917.51	4,194.88	4,471.94	4,749.00
1/4	22.86	381.04	746.49	1,110.50	1,475.06	1,839.62	2,204.18	2,568.74	2,933.30	3,297.86	3,661.20	3,923.39	4,200.66	4,477.71	4,754.33
1/2	28.30	388.66	754.07	1,118.10	1,482.66	1,847.22	2,211.78	2,576.34	2,940.90	3,305.46	3,667.17	3,929.27	4,206.43	4,483.48	4,759.67
3/4	33.74	396.28	761.65	1,125.69	1,490.25	1,854.81	2,219.37	2,583.93	2,948.48	3,313.05	3,663.05	3,935.14	4,212.20	4,489.26	4,765.00
1	39.18	403.90	769.23	1,133.29	1,497.85	1,862.41	2,226.97	2,591.53	2,956.09	3,320.65	3,658.92	3,940.92	4,217.97	4,495.03	4,770.34
1/4	46.26	411.53	776.81	1,140.88	1,505.44	1,870.00	2,234.56	2,599.12	2,963.68	3,328.24	3,664.80	3,946.69	4,223.74	4,500.80	4,774.81
1/2	53.34	419.15	784.39	1,148.48	1,513.04	1,877.60	2,242.16	2,606.72	2,971.28	3,335.84	3,670.68	3,952.46	4,229.52	4,506.57	4,779.27
3/4	60.96	426.77	791.97	1,156.07	1,520.63	1,885.19	2,249.75	2,614.31	2,978.87	3,343.43	3,676.56	3,958.23	4,235.29	4,512.34	4,783.74
2	68.58	434.39	799.56	1,163.67	1,528.23	1,892.79	2,257.35	2,621.91	2,986.47	3,351.03	3,682.43	3,964.00	4,241.06	4,518.12	4,788.20
1/4	76.20	442.01	807.14	1,171.26	1,535.82	1,900.38	2,264.94	2,629.50	2,994.06	3,358.62	3,688.31	3,969.78	4,246.83	4,523.89	4,791.80
1/2	83.82	449.63	814.72	1,178.86	1,543.42	1,907.98	2,272.54	2,637.10	3,001.66	3,366.22	3,694.19	3,975.55	4,252.60	4,529.66	4,795.39
3/4	91.44	457.25	822.30	1,186.45	1,551.01	1,915.57	2,280.13	2,644.69	3,009.25	3,373.81	3,700.06	3,981.32	4,258.38	4,535.43	4,798.99
3	99.06	464.87	829.88	1,194.05	1,558.61	1,923.17	2,287.73	2,652.29	3,016.85	3,381.41	3,705.94	3,987.09	4,264.15	4,541.20	4,802.58
1/4	106.69	472.49	837.46	1,201.64	1,566.20	1,930.76	2,295.32	2,659.88	3,024.44	3,389.00	3,711.82	3,992.86	4,269.92	4,546.98	4,805.30
1/2	114.31	480.11	845.04	1,209.24	1,573.80	1,938.36	2,302.92	2,667.48	3,032.04	3,396.60	3,717.69	3,998.64	4,275.69	4,552.75	4,808.03
3/4	121.93	487.74	852.62	1,216.83	1,581.39	1,945.95	2,310.51	2,675.07	3,039.63	3,404.19	3,723.57	4,004.41	4,281.46	4,558.52	4,810.75
4	129.55	495.36	860.20	1,224.43	1,588.99	1,953.55	2,318.11	2,682.67	3,047.23	3,411.79	3,729.45	4,010.18	4,287.24	4,564.29	4,813.47
1/4	137.17	502.98	867.79	1,232.02	1,596.58	1,961.14	2,325.70	2,690.26	3,054.82	3,419.38	3,735.33	4,015.95	4,293.01	4,570.06	4,815.32
1/2	144.79	510.60	875.37	1,239.62	1,604.18	1,968.74	2,333.30	2,697.86	3,062.42	3,426.98	3,741.20	4,021.72	4,298.78	4,575.84	4,817.18
3/4	152.41	518.22	882.95	1,247.21	1,611.77	1,976.33	2,340.89	2,705.45	3,070.01	3,434.57	3,747.08	4,027.50	4,304.55	4,581.61	4,819.03
5	160.03	525.84	890.53	1,254.81	1,619.37	1,983.93	2,348.48	2,713.05	3,077.61	3,442.17	3,752.96	4,033.27	4,310.32	4,587.38	4,820.88
1/4	167.65	533.46	898.11	1,262.40	1,626.96	1,991.52	2,356.08	2,720.64	3,085.20	3,449.76	3,758.83	4,039.04	4,316.10	4,593.15	4,821.86
1/2	175.27	541.08	905.69	1,270.00	1,634.56	1,999.12	2,363.68	2,728.24	3,092.80	3,457.36	3,764.71	4,044.81	4,321.87	4,598.92	4,822.84
3/4	182.80	548.70	913.27	1,277.59	1,642.15	2,006.71	2,371.27	2,735.83	3,100.39	3,464.95	3,770.59	4,050.58	4,327.64	4,604.70	4,823.82
6	190.52	556.32	920.85	1,285.19	1,649.75	2,014.31	2,378.87	2,743.43	3,107.99	3,472.44	3,776.46	4,056.36	4,333.41	4,610.47	4,824.80
1/4	198.14	563.94	928.43	1,290.78	1,657.34	2,021.90	2,386.46	2,751.02	3,115.58	3,479.94	3,782.34	4,062.13	4,339.18	4,616.24	4,825.02
1/2	205.76	571.57	936.01	1,300.38	1,664.94	2,029.50	2,394.06	2,758.62	3,123.18	3,487.43	3,788.22	4,067.90	4,344.96	4,622.01	4,825.24
3/4	213.38	579.19	943.60	1,307.97	1,672.53	2,037.09	2,401.65	2,766.21	3,130.77	3,494.92	3,794.10	4,073.67	4,350.73	4,627.78	4,825.46
7	221.00	586.81	951.18	1,315.57	1,680.13	2,044.69	2,409.25	2,773.81	3,138.37	3,502.15	3,799.97	4,079.44	4,356.00	4,633.56	
1/4	228.62	594.43	958.78	1,323.16	1,687.72	2,052.28	2,416.84	2,781.40	3,145.96	3,509.39	3,805.85	4,085.22	4,362.27	4,639.33	
1/2	236.24	602.05	966.34	1,330.76	1,695.32	2,059.88	2,424.44	2,789.00	3,153.56	3,516.82	3,811.73	4,090.99	4,368.04	4,645.10	
3/4	243.86	609.67	973.92	1,338.35	1,702.91	2,067.47	2,432.03	2,796.59	3,161.15	3,523.85	3,817.60	4,096.76	4,373.82	4,650.87	
8	251.48	617.29	981.50	1,345.95	1,710.51	2,075.07	2,439.63	2,804.19	3,168.75	3,530.83	3,823.48	4,102.53	4,379.59	4,656.64	
1/4	259.11	624.91	989.08	1,353.54	1,718.10	2,082.66	2,447.22	2,811.78	3,176.34	3,537.80	3,829.36	4,108.30	4,385.36	4,662.42	
1/2	266.73	632.53	996.66	1,361.14	1,725.70	2,090.26	2,454.82	2,819.38	3,183.94	3,544.78	3,835.23	4,114.08	4,391.13	4,668.19	
3/4	274.35	640.15	1,004.24	1,368.73	1,733.29	2,097.85	2,462.41	2,826.97	3,191.53	3,551.75	3,841.11	4,119.85	4,396.90	4,673.96	
9	281.97	647.78	1,011.82	1,376.33	1,740.89	2,105.45	2,470.01	2,834.57	3,199.13	3,558.47	3,846.99	4,125.62	4,402.68	4,679.73	
1/4	289.59	655.40	1,019.41	1,383.92	1,748.48	2,113.04	2,477.60	2,842.16	3,206.72	3,565.19	3,852.87	4,131.39	4,408.45	4,685.50	
1/2	297.21	663.02	1,026.99	1,391.52	1,756.08	2,120.64	2,485.20	2,849.76	3,214.32	3,571.90	3,858.58	4,137.16	4,414.22	4,691.28	
3/4	304.83	670.64	1,034.57	1,399.11	1,763.67	2,128.23	2,492.79	2,857.35	3,221.91	3,578.62	3,864.62	4,142.94	4,419.99	4,697.05	
10	312.45	678.26	1,042.15	1,406.71	1,771.27	2,135.83	2,500.39	2,864.95	3,229.51	3,585.08	3,870.00	4,148.71	4,425.76	4,702.82	
1/4	320.07	685.84	1,049.74	1,414.30	1,778.86	2,143.42	2,507.98	2,872.54	3,237.10	3,591.54	3,876.37	4,154.48	4,431.54	4,708.59	
1/2	327.69	693.42	1,057.34	1,421.90	1,786.46	2,151.02	2,515.58	2,880.14	3,244.70	3,597.99	3,882.25	4,160.25	4,437.31	4,714.36	
3/4	335.32	701.00	1,064.93	1,429.49	1,794.05	2,156.61	2,523.17	2,887.73	3,252.29	3,604.45	3,888.13	4,166.02	4,443.08	4,720.14	
11	342.94	708.58	1,072.53	1,437.09	1,801.65	2,166.21	2,530.77	2,895.33	3,259.89	3,610.65	3,894.00	4,171.80	4,448.85	4,725.91	
1/4	350.56	716.16	1,080.12	1,444.68	1,809.24	2,173.80	2,538.36	2,902.92	3,267.48	3,616.85	3,899.88	4,177.57	4,454.62	4,731.68	
1/2	358.18	723.75	1,087.72	1,452.28	1,816.84	2,181.40	2,545.96	2,910.52	3,275.08	3,623.05	3,905.76	4,183.34	4,460.40	4,737.45	
3/4	365.80	731.33	1,095.31	1,459.87	1,824.43	2,188.99	2,553.55	2,918.11	3,282.67	3,629.25	3,911.64	4,189.11	4,466.17	4,743.22	

MAP 614

COMPARTMENT: 3 STAR

GAUGE HEIGHT: 15' 5 1/2"

STRAPPED: 6/15/04

COMPUTED IN BARRELS

GAUGE TYPE: INNAGE

RIM OF 2" DIAMETER BALL VALVE LOCATED NEAR CENTER OF TANK
BARGE SHOULD BE ON EVEN KEEL WHEN GAUGES ARE TAKEN

	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT	14 FT
0	17.41	373.42	738.91	1,102.91	1,467.47	1,832.03	2,186.59	2,561.15	2,925.71	3,290.27	3,635.22	3,917.51	4,194.88	4,471.94	4,749.00
1/4	22.86	381.04	746.49	1,110.50	1,475.06	1,839.62	2,204.18	2,568.74	2,933.30	3,297.86	3,641.20	3,923.39	4,200.66	4,477.71	4,754.33
1/2	28.30	388.66	754.07	1,118.10	1,482.66	1,847.22	2,211.78	2,576.34	2,940.90	3,305.46	3,647.17	3,929.27	4,206.43	4,483.48	4,759.67
3/4	33.74	396.28	761.65	1,125.69	1,490.25	1,854.81	2,219.37	2,583.93	2,948.49	3,313.05	3,653.05	3,935.14	4,212.20	4,489.26	4,765.00
1	39.18	403.90	769.23	1,133.29	1,497.85	1,862.41	2,226.97	2,591.53	2,956.09	3,320.65	3,658.92	3,940.92	4,217.97	4,495.03	4,770.34
1/4	46.26	411.53	776.81	1,140.88	1,505.44	1,870.00	2,234.56	2,599.12	2,963.68	3,328.24	3,664.80	3,946.69	4,223.74	4,500.80	4,774.81
1/2	53.34	419.15	784.39	1,148.48	1,513.04	1,877.60	2,242.16	2,606.72	2,971.28	3,335.84	3,670.68	3,952.46	4,229.52	4,506.57	4,779.27
3/4	60.96	426.77	791.97	1,156.07	1,520.63	1,885.19	2,249.75	2,614.31	2,978.87	3,343.43	3,676.56	3,958.23	4,235.29	4,512.34	4,783.74
2	68.58	434.39	799.56	1,163.67	1,528.23	1,892.79	2,257.35	2,621.91	2,986.47	3,351.03	3,682.43	3,964.00	4,241.06	4,518.12	4,788.20
1/4	76.20	442.01	807.14	1,171.26	1,535.82	1,900.38	2,264.94	2,629.50	2,994.06	3,356.62	3,688.31	3,969.78	4,246.83	4,523.89	4,791.80
1/2	83.82	449.63	814.72	1,178.86	1,543.42	1,907.98	2,272.54	2,637.10	3,001.66	3,366.22	3,694.19	3,975.55	4,252.60	4,529.66	4,795.39
3/4	91.44	457.25	822.30	1,186.45	1,551.01	1,915.57	2,280.13	2,644.69	3,009.25	3,373.81	3,700.06	3,981.32	4,258.38	4,535.43	4,798.99
3	99.06	464.87	829.88	1,194.05	1,558.61	1,923.17	2,287.73	2,652.29	3,016.85	3,381.41	3,705.94	3,987.09	4,264.15	4,541.20	4,802.58
1/4	106.69	472.49	837.46	1,201.64	1,566.20	1,930.76	2,295.32	2,659.88	3,024.44	3,389.00	3,711.82	3,992.86	4,269.92	4,546.98	4,805.30
1/2	114.31	480.11	845.04	1,209.24	1,573.80	1,938.36	2,302.92	2,667.48	3,032.04	3,396.60	3,717.69	3,998.64	4,275.69	4,552.75	4,808.03
3/4	121.93	487.74	852.62	1,216.83	1,581.39	1,945.95	2,310.51	2,675.07	3,039.63	3,404.19	3,723.57	4,004.41	4,281.46	4,558.52	4,810.75
4	129.55	495.36	860.20	1,224.43	1,588.99	1,953.55	2,318.11	2,682.67	3,047.23	3,411.79	3,729.45	4,010.18	4,287.24	4,564.29	4,813.47
1/4	137.17	502.98	867.79	1,232.02	1,596.58	1,961.14	2,325.70	2,690.26	3,054.82	3,419.38	3,735.33	4,015.95	4,293.01	4,570.06	4,815.32
1/2	144.79	510.60	875.37	1,239.62	1,604.18	1,968.74	2,333.30	2,697.86	3,062.42	3,426.98	3,741.20	4,021.72	4,298.78	4,575.84	4,817.18
3/4	152.41	518.22	882.95	1,247.21	1,611.77	1,976.33	2,340.89	2,705.45	3,070.01	3,434.57	3,747.08	4,027.50	4,304.55	4,581.61	4,819.03
5	160.03	525.84	890.53	1,254.81	1,619.37	1,983.93	2,348.48	2,713.05	3,077.61	3,442.17	3,752.96	4,033.27	4,310.32	4,587.38	4,820.88
1/4	167.65	533.46	898.11	1,262.40	1,626.96	1,991.52	2,356.08	2,720.64	3,085.20	3,449.76	3,758.83	4,039.04	4,316.10	4,593.15	4,821.86
1/2	175.27	541.08	905.69	1,270.00	1,634.56	1,999.12	2,363.68	2,728.24	3,092.80	3,457.36	3,764.71	4,044.81	4,321.87	4,598.92	4,822.84
3/4	182.90	548.70	913.27	1,277.59	1,642.15	2,006.71	2,371.27	2,735.83	3,100.39	3,464.95	3,770.59	4,050.58	4,327.64	4,604.70	4,823.82
6	190.52	556.32	920.85	1,285.19	1,649.75	2,014.31	2,378.87	2,743.43	3,107.99	3,472.44	3,776.46	4,056.36	4,333.41	4,610.47	4,824.80
1/4	198.14	563.94	928.43	1,292.78	1,657.34	2,021.90	2,386.46	2,751.02	3,115.58	3,479.94	3,782.34	4,062.13	4,339.18	4,616.24	4,825.02
1/2	205.76	571.57	936.01	1,300.38	1,664.94	2,029.50	2,394.06	2,758.62	3,123.18	3,487.43	3,788.22	4,067.90	4,344.96	4,622.01	4,825.24
3/4	213.38	579.19	943.60	1,307.97	1,672.53	2,037.09	2,401.65	2,766.21	3,130.77	3,494.92	3,794.10	4,073.67	4,350.73	4,627.78	4,825.46
7	221.00	586.81	951.18	1,315.57	1,680.13	2,044.69	2,409.25	2,773.81	3,138.37	3,502.15	3,799.97	4,079.44	4,356.00	4,633.56	
1/4	228.62	594.43	958.76	1,323.16	1,687.72	2,052.28	2,416.84	2,781.40	3,145.96	3,509.39	3,805.85	4,085.22	4,362.27	4,639.33	
1/2	236.24	602.05	966.34	1,330.76	1,695.32	2,059.88	2,424.44	2,789.00	3,153.56	3,516.62	3,811.73	4,090.99	4,368.04	4,645.10	
3/4	243.86	609.67	973.92	1,338.35	1,702.91	2,067.47	2,432.03	2,796.59	3,161.15	3,523.85	3,817.60	4,373.82	4,373.82	4,650.87	
8	251.48	617.29	981.50	1,345.95	1,710.51	2,075.07	2,439.63	2,804.19	3,168.75	3,530.83	3,823.48	4,102.53	4,379.59	4,656.64	
1/4	259.11	624.91	989.08	1,353.54	1,718.10	2,082.66	2,447.22	2,811.78	3,176.34	3,537.80	3,829.36	4,108.30	4,385.36	4,662.42	
1/2	266.73	632.53	996.66	1,361.14	1,725.70	2,090.26	2,454.82	2,819.38	3,183.94	3,544.78	3,835.23	4,114.08	4,391.13	4,668.19	
3/4	274.35	640.15	1,004.24	1,368.73	1,733.29	2,097.85	2,462.41	2,826.97	3,191.53	3,551.75	3,841.11	4,119.85	4,396.90	4,673.96	
9	281.97	647.78	1,011.82	1,376.33	1,740.89	2,105.45	2,470.01	2,834.57	3,199.13	3,558.47	3,846.99	4,125.62	4,402.68	4,679.73	
1/4	289.59	655.40	1,019.41	1,383.92	1,748.48	2,113.04	2,477.60	2,842.16	3,206.72	3,565.19	3,852.87	4,131.39	4,408.45	4,685.50	
1/2	297.21	663.02	1,026.96	1,391.52	1,756.08	2,120.64	2,485.20	2,849.76	3,214.32	3,571.90	3,858.74	4,137.16	4,414.22	4,691.28	
3/4	304.83	670.64	1,034.57	1,399.11	1,763.67	2,128.23	2,492.79	2,857.35	3,221.91	3,578.62	3,864.62	4,142.94	4,419.99	4,697.05	
10	312.45	678.26	1,042.15	1,406.71	1,771.27	2,135.83	2,500.39	2,864.95	3,229.51	3,585.08	3,870.00	4,148.71	4,425.76	4,702.82	
1/4	320.07	685.84	1,049.74	1,414.30	1,778.86	2,143.42	2,507.98	2,872.54	3,237.10	3,591.54	3,876.37	4,154.48	4,431.54	4,708.59	
1/2	327.69	693.42	1,057.34	1,421.90	1,786.46	2,151.02	2,515.58	2,880.14	3,244.70	3,597.99	3,882.25	4,160.25	4,437.31	4,714.36	
3/4	335.32	701.00	1,064.93	1,429.49	1,794.05	2,156.61	2,523.17	2,887.73	3,252.29	3,604.45	3,888.13	4,166.02	4,443.08	4,720.14	
11	342.94	708.58	1,072.53	1,437.09	1,801.65	2,166.21	2,530.77	2,895.33	3,259.89	3,610.65	3,894.00	4,171.80	4,448.85	4,725.91	
1/4	350.56	716.16	1,080.12	1,444.68	1,809.24	2,173.80	2,538.36	2,902.92	3,267.48	3,616.85	3,899.88	4,177.57	4,454.62	4,731.68	
1/2	358.18	723.75	1,087.72	1,452.28	1,816.84	2,181.40	2,545.96	2,910.52	3,275.08	3,623.05	3,905.76	4,183.34	4,460.40	4,737.45	
3/4	365.80	731.33	1,095.31	1,459.87	1,824.43	2,188.99	2,553.55	2,918.11	3,282.67	3,629.25	3,911.64	4,189.11	4,466.17	4,743.22	