

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16' 10-1/2"

IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0		0	4,518.61	0	4,253.00	0	3,943.30	0	3,633.59	0	3,323.89	0	3,014.19	0	2,704.49	0	2,394.78	0	2,085.08
1/4		1/4	4,517.00	1/4	4,246.55	1/4	3,936.84	1/4	3,627.14	1/4	3,317.44	1/4	3,007.74	1/4	2,698.03	1/4	2,388.33	1/4	2,078.63
1/2		1/2	4,515.38	1/2	4,240.09	1/2	3,930.39	1/2	3,620.69	1/2	3,310.99	1/2	3,001.28	1/2	2,691.58	1/2	2,381.88	1/2	2,072.18
3/4		3/4	4,512.70	3/4	4,233.64	3/4	3,923.94	3/4	3,614.24	3/4	3,304.53	3/4	2,994.83	3/4	2,685.13	3/4	2,375.43	3/4	2,065.73
1		1	4,510.01	1	4,227.19	1	3,917.49	1	3,607.78	1	3,298.08	1	2,988.38	1	2,678.68	1	2,368.98	1	2,059.27
1/4		1/4	4,507.32	1/4	4,220.74	1/4	3,911.03	1/4	3,601.33	1/4	3,291.63	1/4	2,981.93	1/4	2,672.23	1/4	2,362.52	1/4	2,052.82
1/2		1/2	4,504.63	1/2	4,214.28	1/2	3,904.58	1/2	3,594.88	1/2	3,285.18	1/2	2,975.48	1/2	2,665.77	1/2	2,356.07	1/2	2,046.37
3/4		3/4	4,500.87	3/4	4,207.83	3/4	3,898.13	3/4	3,588.43	3/4	3,278.73	3/4	2,969.02	3/4	2,659.32	3/4	2,349.62	3/4	2,039.92
2		2	4,497.10	2	4,201.38	2	3,891.68	2	3,581.98	2	3,272.27	2	2,962.57	2	2,652.87	2	2,343.17	2	2,033.47
1/4		1/4	4,493.34	1/4	4,194.93	1/4	3,885.23	1/4	3,575.52	1/4	3,265.82	1/4	2,956.12	1/4	2,646.42	1/4	2,336.72	1/4	2,027.01
1/2		1/2	4,489.58	1/2	4,188.88	1/2	3,878.77	1/2	3,569.07	1/2	3,259.37	1/2	2,949.67	1/2	2,639.97	1/2	2,330.26	1/2	2,020.56
3/4		3/4	4,484.74	3/4	4,182.02	3/4	3,872.32	3/4	3,562.62	3/4	3,252.92	3/4	2,943.22	3/4	2,633.51	3/4	2,323.81	3/4	2,014.11
3		3	4,479.90	3	4,175.57	3	3,865.87	3	3,556.17	3	3,246.47	3	2,936.76	3	2,627.06	3	2,317.36	3	2,007.66
1/4		1/4	4,475.06	1/4	4,169.12	1/4	3,859.42	1/4	3,549.72	1/4	3,240.01	1/4	2,930.31	1/4	2,620.61	1/4	2,310.91	1/4	2,001.20
1/2		1/2	4,470.22	1/2	4,162.67	1/2	3,852.97	1/2	3,543.26	1/2	3,233.56	1/2	2,923.86	1/2	2,614.16	1/2	2,304.45	1/2	1,994.75
3/4		3/4	4,464.30	3/4	4,156.22	3/4	3,846.51	3/4	3,536.81	3/4	3,227.11	3/4	2,917.41	3/4	2,607.70	3/4	2,298.00	3/4	1,988.30
4		4	4,458.39	4	4,149.76	4	3,840.06	4	3,530.36	4	3,220.66	4	2,910.95	4	2,601.25	4	2,291.55	4	1,981.85
1/4		1/4	4,452.48	1/4	4,143.31	1/4	3,833.61	1/4	3,523.91	1/4	3,214.21	1/4	2,904.50	1/4	2,594.80	1/4	2,285.10	1/4	1,975.40
1/2		1/2	4,446.56	1/2	4,136.86	1/2	3,827.16	1/2	3,517.46	1/2	3,207.75	1/2	2,898.05	1/2	2,588.35	1/2	2,278.65	1/2	1,968.94
3/4		3/4	4,440.11	3/4	4,130.41	3/4	3,820.71	3/4	3,511.00	3/4	3,201.30	3/4	2,891.60	3/4	2,581.90	3/4	2,272.19	3/4	1,962.49
5		5	4,433.66	5	4,123.96	5	3,814.25	5	3,504.55	5	3,194.85	5	2,885.15	5	2,575.44	5	2,265.74	5	1,956.04
1/4		1/4	4,427.21	1/4	4,117.50	1/4	3,807.80	1/4	3,498.10	1/4	3,188.40	1/4	2,878.69	1/4	2,568.99	1/4	2,259.29	1/4	1,949.59
1/2		1/2	4,420.75	1/2	4,111.05	1/2	3,801.35	1/2	3,491.65	1/2	3,181.94	1/2	2,872.24	1/2	2,562.54	1/2	2,252.84	1/2	1,943.14
3/4		3/4	4,414.30	3/4	4,104.60	3/4	3,794.90	3/4	3,485.19	3/4	3,175.49	3/4	2,865.79	3/4	2,556.09	3/4	2,246.39	3/4	1,936.68
6		6	4,407.85	6	4,098.15	6	3,788.44	6	3,478.74	6	3,169.04	6	2,859.34	6	2,549.64	6	2,239.93	6	1,930.23
1/4		1/4	4,401.40	1/4	4,091.69	1/4	3,781.99	1/4	3,472.29	1/4	3,162.59	1/4	2,852.89	1/4	2,543.18	1/4	2,233.48	1/4	1,923.78
1/2		1/2	4,394.94	1/2	4,085.24	1/2	3,775.54	1/2	3,465.84	1/2	3,156.14	1/2	2,846.43	1/2	2,536.73	1/2	2,227.03	1/2	1,917.33
3/4		3/4	4,388.49	3/4	4,078.79	3/4	3,769.09	3/4	3,459.39	3/4	3,149.68	3/4	2,839.98	3/4	2,530.28	3/4	2,220.58	3/4	1,910.88
7		7	4,382.04	7	4,072.34	7	3,762.64	7	3,452.93	7	3,143.23	7	2,833.53	7	2,523.83	7	2,214.13	7	1,904.42
1/4		1/4	4,375.59	1/4	4,065.89	1/4	3,756.18	1/4	3,446.48	1/4	3,136.78	1/4	2,827.08	1/4	2,517.38	1/4	2,207.67	1/4	1,897.97
1/2		1/2	4,369.14	1/2	4,059.43	1/2	3,749.73	1/2	3,440.03	1/2	3,130.33	1/2	2,820.63	1/2	2,510.92	1/2	2,201.22	1/2	1,891.52
3/4		3/4	4,362.68	3/4	4,052.98	3/4	3,743.28	3/4	3,433.58	3/4	3,123.88	3/4	2,814.17	3/4	2,504.47	3/4	2,194.77	3/4	1,885.07
8		8	4,356.23	8	4,046.53	8	3,736.83	8	3,427.13	8	3,117.42	8	2,807.72	8	2,498.02	8	2,188.32	8	1,878.61
1/4		1/4	4,349.78	1/4	4,040.08	1/4	3,730.38	1/4	3,420.67	1/4	3,110.97	1/4	2,801.27	1/4	2,491.57	1/4	2,181.86	1/4	1,872.16
1/2		1/2	4,343.33	1/2	4,033.63	1/2	3,723.92	1/2	3,414.22	1/2	3,104.52	1/2	2,794.82	1/2	2,485.11	1/2	2,175.41	1/2	1,865.71
3/4		3/4	4,336.88	3/4	4,027.17	3/4	3,717.47	3/4	3,407.77	3/4	3,098.07	3/4	2,788.36	3/4	2,478.66	3/4	2,168.96	3/4	1,859.26
9		9	4,330.42	9	4,020.72	9	3,711.02	9	3,401.32	9	3,091.61	9	2,781.91	9	2,472.21	9	2,162.51	9	1,852.81
1/4		1/4	4,323.97	1/4	4,014.27	1/4	3,704.57	1/4	3,394.86	1/4	3,085.16	1/4	2,775.46	1/4	2,465.76	1/4	2,156.06	1/4	1,846.35
1/2		1/2	4,317.52	1/2	4,007.82	1/2	3,698.11	1/2	3,388.41	1/2	3,078.71	1/2	2,769.01	1/2	2,459.31	1/2	2,149.60	1/2	1,839.90
3/4		3/4	4,311.07	3/4	4,001.36	3/4	3,691.66	3/4	3,381.96	3/4	3,072.26	3/4	2,762.56	3/4	2,452.85	3/4	2,143.15	3/4	1,833.45
10		10	4,304.61	10	3,994.91	10	3,685.21	10	3,375.51	10	3,065.81	10	2,756.10	10	2,446.40	10	2,136.70	10	1,827.00
1/4		1/4	4,298.16	1/4	3,988.46	1/4	3,678.76	1/4	3,369.06	1/4	3,059.35	1/4	2,749.65	1/4	2,439.95	1/4	2,130.25	1/4	1,820.55
1/2		1/2	4,291.71	1/2	3,982.01	1/2	3,672.31	1/2	3,362.60	1/2	3,052.90	1/2	2,743.20	1/2	2,433.50	1/2	2,123.80	1/2	1,814.09
3/4		3/4	4,285.26	3/4	3,975.56	3/4	3,665.85	3/4	3,356.15	3/4	3,046.45	3/4	2,736.75	3/4	2,427.05	3/4	2,117.34	3/4	1,807.64
11		11	4,278.81	11	3,969.91	11	3,659.40	11	3,349.70	11	3,040.00	11	2,730.30	11	2,420.59	11	2,110.89	11	1,801.19
1/4		1/4	4,272.35	1/4	3,962.65	1/4	3,652.95	1/4	3,343.25	1/4	3,033.55	1/4	2,723.84	1/4	2,414.14	1/4	2,104.44	1/4	1,794.74
1/2	4,521.84	1/2	4,265.90	1/2	3,956.20	1/2	3,646.50	1/2	3,336.80	1/2	3,027.09	1/2	2,717.39	1/2	2,407.69	1/2	2,097.99	1/2	1,788.28
3/4	4,520.22	3/4	4,259.45	3/4	3,949.75	3/4	3,640.05	3/4	3,330.34	3/4	3,020.64	3/4	2,710.94	3/4	2,401.24	3/4	2,091.53	3/4	1,781.83

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES OBTAINED WITH "MMC" GAUGE DEVICE.
 NOTE: GAUGE POINT LOCATED 11' 4" OFF CENTERLINE AND 37' 9" FORWARD OF AFT. BULKHEAD.
 NOTE: NO TRIM CORRECTION REQUIRED DUE TO GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK.
 NOTE: CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 NOTE: CAPACITY TABLE REFLECTS BOTTOM DEADRISE.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 1/14/04 BY: BB/JF
 DATE COMPUTED: 2/12/04 BY: WHF
 DATE ISSUED: 2/13/04

INTERTEK - CALEB BRETT



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS


FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16' 10-1/2"

IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.	IN	20 FT.
0	1,775.38	0	1,466.06	0	1,157.84	0	848.20	0	540.65	0	237.19	0		0		0		0	
1/4	1,768.93	1/4	1,459.65	1/4	1,151.39	1/4	841.75	1/4	534.29	1/4	231.22	1/4		1/4		1/4		1/4	
1/2	1,762.48	1/2	1,453.24	1/2	1,144.94	1/2	835.30	1/2	527.94	1/2	225.24	1/2		1/2		1/2		1/2	
3/4	1,756.02	3/4	1,446.82	3/4	1,138.49	3/4	828.85	3/4	521.51	3/4	219.35	3/4		3/4		3/4		3/4	
1	1,749.57	1	1,440.41	1	1,132.05	1	822.40	1	515.08	1	213.46	1		1		1		1	
1/4	1,743.12	1/4	1,433.99	1/4	1,125.60	1/4	815.95	1/4	508.64	1/4	207.57	1/4		1/4		1/4		1/4	
1/2	1,736.67	1/2	1,427.58	1/2	1,119.15	1/2	809.49	1/2	502.21	1/2	201.68	1/2		1/2		1/2		1/2	
3/4	1,730.22	3/4	1,421.17	3/4	1,112.70	3/4	803.04	3/4	495.78	3/4	195.87	3/4		3/4		3/4		3/4	
2	1,723.76	2	1,414.75	2	1,106.25	2	796.59	2	489.35	2	190.06	2		2		2		2	
1/4	1,717.31	1/4	1,408.34	1/4	1,099.80	1/4	790.14	1/4	482.92	1/4	184.25	1/4		1/4		1/4		1/4	
1/2	1,710.86	1/2	1,401.93	1/2	1,093.35	1/2	783.69	1/2	476.49	1/2	178.44	1/2		1/2		1/2		1/2	
3/4	1,704.41	3/4	1,395.51	3/4	1,086.90	3/4	777.24	3/4	470.06	3/4	172.72	3/4		3/4		3/4		3/4	
3	1,697.95	3	1,389.10	3	1,080.45	3	770.79	3	463.63	3	166.99	3		3		3		3	
1/4	1,691.50	1/4	1,382.69	1/4	1,074.00	1/4	764.33	1/4	457.20	1/4	161.27	1/4		1/4		1/4		1/4	
1/2	1,685.05	1/2	1,376.27	1/2	1,067.56	1/2	757.88	1/2	450.77	1/2	155.54	1/2		1/2		1/2		1/2	
3/4	1,678.60	3/4	1,369.86	3/4	1,061.10	3/4	751.43	3/4	444.34	3/4	149.90	3/4		3/4		3/4		3/4	
4	1,672.15	4	1,363.44	4	1,054.65	4	744.98	4	437.91	4	144.26	4		4		4		4	
1/4	1,665.69	1/4	1,357.03	1/4	1,048.20	1/4	738.53	1/4	431.48	1/4	138.61	1/4		1/4		1/4		1/4	
1/2	1,659.24	1/2	1,350.62	1/2	1,041.75	1/2	732.08	1/2	425.05	1/2	132.97	1/2		1/2		1/2		1/2	
3/4	1,652.79	3/4	1,344.20	3/4	1,035.30	3/4	725.63	3/4	418.62	3/4	127.41	3/4		3/4		3/4		3/4	
5	1,646.34	5	1,337.79	5	1,028.85	5	719.17	5	412.19	5	121.85	5		5		5		5	
1/4	1,639.89	1/4	1,331.38	1/4	1,022.40	1/4	712.72	1/4	405.76	1/4	116.29	1/4		1/4		1/4		1/4	
1/2	1,633.43	1/2	1,324.96	1/2	1,015.94	1/2	706.27	1/2	399.33	1/2	110.73	1/2		1/2		1/2		1/2	
3/4	1,626.98	3/4	1,318.55	3/4	1,009.49	3/4	699.82	3/4	392.90	3/4	105.25	3/4		3/4		3/4		3/4	
6	1,620.53	6	1,312.13	6	1,003.04	6	693.37	6	386.46	6	99.78	6		6		6		6	
1/4	1,614.08	1/4	1,305.72	1/4	996.59	1/4	686.92	1/4	380.03	1/4	94.30	1/4		1/4		1/4		1/4	
1/2	1,607.63	1/2	1,299.31	1/2	990.14	1/2	680.46	1/2	373.60	1/2	88.82	1/2		1/2		1/2		1/2	
3/4	1,601.17	3/4	1,292.89	3/4	983.69	3/4	674.11	3/4	367.21	3/4	83.43	3/4		3/4		3/4		3/4	
7	1,594.72	7	1,286.48	7	977.23	7	667.75	7	360.83	7	78.04	7		7		7		7	
1/4	1,588.27	1/4	1,280.07	1/4	970.78	1/4	661.40	1/4	354.44	1/4	72.64	1/4		1/4		1/4		1/4	
1/2	1,581.82	1/2	1,273.65	1/2	964.33	1/2	655.04	1/2	348.05	1/2	67.25	1/2		1/2		1/2		1/2	
3/4	1,575.36	3/4	1,267.24	3/4	957.88	3/4	648.69	3/4	341.74	3/4	61.94	3/4		3/4		3/4		3/4	
8	1,568.91	8	1,260.82	8	951.43	8	642.33	8	335.44	8	56.63	8		8		8		8	
1/4	1,562.46	1/4	1,254.41	1/4	944.98	1/4	635.98	1/4	329.13	1/4	51.32	1/4		1/4		1/4		1/4	
1/2	1,556.01	1/2	1,247.99	1/2	938.53	1/2	629.62	1/2	322.82	1/2	46.00	1/2		1/2		1/2		1/2	
3/4	1,549.56	3/4	1,241.58	3/4	932.07	3/4	623.27	3/4	316.60	3/4	41.40	3/4		3/4		3/4		3/4	
9	1,543.10	9	1,235.16	9	925.62	9	616.91	9	310.38	9	36.79	9		9		9		9	
1/4	1,536.65	1/4	1,228.75	1/4	919.17	1/4	610.56	1/4	304.15	1/4	32.18	1/4		1/4		1/4		1/4	
1/2	1,530.20	1/2	1,222.33	1/2	912.72	1/2	604.20	1/2	297.93	1/2	27.57	1/2		1/2		1/2		1/2	
3/4	1,523.79	3/4	1,215.88	3/4	906.27	3/4	597.85	3/4	291.79	3/4	24.29	3/4		3/4		3/4		3/4	
10	1,517.37	10	1,209.43	10	899.82	10	591.49	10	285.65	10	21.00	10		10		10		10	
1/4	1,510.96	1/4	1,202.98	1/4	893.36	1/4	585.13	1/4	279.51	1/4	17.72	1/4		1/4		1/4		1/4	
1/2	1,504.55	1/2	1,196.53	1/2	886.91	1/2	578.78	1/2	273.37	1/2	14.43	1/2		1/2		1/2		1/2	
3/4	1,498.13	3/4	1,190.09	3/4	880.46	3/4	572.42	3/4	267.31	3/4		3/4		3/4		3/4		3/4	
11	1,491.72	11	1,183.64	11	874.01	11	566.07	11	261.25	11		11		11		11		11	
1/4	1,485.30	1/4	1,177.19	1/4	867.56	1/4	559.71	1/4	255.20	1/4		1/4		1/4		1/4		1/4	
1/2	1,478.89	1/2	1,170.74	1/2	861.11	1/2	553.36	1/2	249.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,472.48	3/4	1,164.29	3/4	854.66	3/4	547.00	3/4	243.17	3/4		3/4		3/4		3/4		3/4	

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

INTERTEK - CALEB BRETT



BARGE "GBL 1030"
HULL NO. 03-2999

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16' 11"

IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0		0	4,521.84	0	4,265.90	0	3,956.20	0	3,646.50	0	3,336.80	0	3,027.09	0	2,717.39	0	2,407.69	0	2,097.99
1/4		1/4	4,520.22	1/4	4,259.45	1/4	3,949.75	1/4	3,640.05	1/4	3,330.34	1/4	3,020.64	1/4	2,710.94	1/4	2,401.24	1/4	2,091.53
1/2		1/2	4,518.61	1/2	4,253.00	1/2	3,943.30	1/2	3,633.59	1/2	3,323.89	1/2	3,014.19	1/2	2,704.49	1/2	2,394.78	1/2	2,085.08
3/4		3/4	4,517.00	3/4	4,246.55	3/4	3,936.84	3/4	3,627.14	3/4	3,317.44	3/4	3,007.74	3/4	2,698.03	3/4	2,388.33	3/4	2,078.63
1		1	4,515.38	1	4,240.09	1	3,930.39	1	3,620.69	1	3,310.99	1	3,001.28	1	2,691.58	1	2,381.88	1	2,072.18
1/4		1/4	4,512.70	1/4	4,233.64	1/4	3,923.94	1/4	3,614.24	1/4	3,304.53	1/4	2,994.83	1/4	2,685.13	1/4	2,375.43	1/4	2,065.73
1/2		1/2	4,510.01	1/2	4,227.19	1/2	3,917.49	1/2	3,607.78	1/2	3,298.08	1/2	2,988.38	1/2	2,678.68	1/2	2,368.98	1/2	2,059.27
3/4		3/4	4,507.32	3/4	4,220.74	3/4	3,911.03	3/4	3,601.33	3/4	3,291.63	3/4	2,981.93	3/4	2,672.23	3/4	2,362.52	3/4	2,052.82
2		2	4,504.63	2	4,214.28	2	3,904.58	2	3,594.88	2	3,285.18	2	2,975.48	2	2,665.77	2	2,356.07	2	2,046.37
1/4		1/4	4,500.87	1/4	4,207.83	1/4	3,898.13	1/4	3,588.43	1/4	3,278.73	1/4	2,965.02	1/4	2,659.32	1/4	2,349.62	1/4	2,039.92
1/2		1/2	4,497.10	1/2	4,201.38	1/2	3,891.68	1/2	3,581.98	1/2	3,272.27	1/2	2,962.57	1/2	2,652.87	1/2	2,343.17	1/2	2,033.47
3/4		3/4	4,493.34	3/4	4,194.93	3/4	3,885.23	3/4	3,575.52	3/4	3,265.82	3/4	2,956.12	3/4	2,646.42	3/4	2,336.72	3/4	2,027.01
3		3	4,489.58	3	4,188.48	3	3,878.77	3	3,569.07	3	3,259.37	3	2,949.67	3	2,639.97	3	2,330.26	3	2,020.56
1/4		1/4	4,484.74	1/4	4,182.02	1/4	3,872.32	1/4	3,562.62	1/4	3,252.92	1/4	2,943.22	1/4	2,633.51	1/4	2,323.81	1/4	2,014.11
1/2		1/2	4,479.90	1/2	4,175.57	1/2	3,865.87	1/2	3,556.17	1/2	3,246.47	1/2	2,936.76	1/2	2,627.06	1/2	2,317.36	1/2	2,007.66
3/4		3/4	4,475.06	3/4	4,169.12	3/4	3,859.42	3/4	3,549.72	3/4	3,240.01	3/4	2,930.31	3/4	2,620.61	3/4	2,310.91	3/4	2,001.20
4		4	4,470.22	4	4,162.67	4	3,852.97	4	3,543.26	4	3,233.56	4	2,923.86	4	2,614.16	4	2,304.45	4	1,994.75
1/4		1/4	4,464.30	1/4	4,156.22	1/4	3,846.51	1/4	3,536.81	1/4	3,227.11	1/4	2,917.41	1/4	2,607.70	1/4	2,298.00	1/4	1,988.30
1/2		1/2	4,458.39	1/2	4,149.76	1/2	3,840.06	1/2	3,530.36	1/2	3,220.66	1/2	2,910.95	1/2	2,601.25	1/2	2,291.55	1/2	1,981.85
3/4		3/4	4,452.48	3/4	4,143.31	3/4	3,833.61	3/4	3,523.91	3/4	3,214.21	3/4	2,904.50	3/4	2,594.80	3/4	2,285.10	3/4	1,975.40
5		5	4,446.56	5	4,136.86	5	3,827.16	5	3,517.46	5	3,207.75	5	2,898.05	5	2,588.35	5	2,278.65	5	1,968.94
1/4		1/4	4,440.11	1/4	4,130.41	1/4	3,820.71	1/4	3,511.00	1/4	3,201.30	1/4	2,891.60	1/4	2,581.90	1/4	2,272.19	1/4	1,962.49
1/2		1/2	4,433.66	1/2	4,123.96	1/2	3,814.25	1/2	3,504.55	1/2	3,194.85	1/2	2,885.15	1/2	2,575.44	1/2	2,265.74	1/2	1,956.04
3/4		3/4	4,427.21	3/4	4,117.50	3/4	3,807.80	3/4	3,498.10	3/4	3,188.40	3/4	2,878.69	3/4	2,568.99	3/4	2,259.29	3/4	1,949.59
6		6	4,420.75	6	4,111.05	6	3,801.35	6	3,491.65	6	3,181.94	6	2,872.24	6	2,562.54	6	2,252.84	6	1,943.14
1/4		1/4	4,414.30	1/4	4,104.60	1/4	3,794.90	1/4	3,485.19	1/4	3,175.49	1/4	2,865.79	1/4	2,556.09	1/4	2,246.39	1/4	1,936.68
1/2		1/2	4,407.85	1/2	4,098.15	1/2	3,788.44	1/2	3,478.74	1/2	3,169.04	1/2	2,859.34	1/2	2,549.64	1/2	2,239.93	1/2	1,930.23
3/4		3/4	4,401.40	3/4	4,091.69	3/4	3,781.99	3/4	3,472.29	3/4	3,162.59	3/4	2,852.89	3/4	2,543.18	3/4	2,233.48	3/4	1,923.78
7		7	4,394.94	7	4,085.24	7	3,775.54	7	3,465.84	7	3,156.14	7	2,846.43	7	2,536.73	7	2,227.03	7	1,917.33
1/4		1/4	4,388.49	1/4	4,078.79	1/4	3,769.09	1/4	3,459.39	1/4	3,149.68	1/4	2,839.98	1/4	2,530.28	1/4	2,220.58	1/4	1,910.88
1/2		1/2	4,382.04	1/2	4,072.34	1/2	3,762.64	1/2	3,452.93	1/2	3,143.23	1/2	2,833.53	1/2	2,523.83	1/2	2,214.13	1/2	1,904.42
3/4		3/4	4,375.59	3/4	4,065.89	3/4	3,756.18	3/4	3,446.48	3/4	3,136.78	3/4	2,827.08	3/4	2,517.38	3/4	2,207.67	3/4	1,897.97
8		8	4,369.14	8	4,059.43	8	3,749.73	8	3,440.03	8	3,130.33	8	2,820.63	8	2,510.92	8	2,201.22	8	1,891.52
1/4		1/4	4,362.68	1/4	4,052.98	1/4	3,743.28	1/4	3,433.58	1/4	3,123.88	1/4	2,814.17	1/4	2,504.47	1/4	2,194.77	1/4	1,885.07
1/2		1/2	4,356.23	1/2	4,046.53	1/2	3,736.83	1/2	3,427.13	1/2	3,117.42	1/2	2,807.72	1/2	2,498.02	1/2	2,188.32	1/2	1,878.61
3/4		3/4	4,349.78	3/4	4,040.08	3/4	3,730.38	3/4	3,420.67	3/4	3,110.97	3/4	2,801.27	3/4	2,491.57	3/4	2,181.86	3/4	1,872.16
9		9	4,343.33	9	4,033.63	9	3,723.92	9	3,414.22	9	3,104.52	9	2,794.82	9	2,485.11	9	2,175.41	9	1,865.71
1/4		1/4	4,336.88	1/4	4,027.17	1/4	3,717.47	1/4	3,407.77	1/4	3,098.07	1/4	2,788.36	1/4	2,478.66	1/4	2,168.96	1/4	1,859.26
1/2		1/2	4,330.42	1/2	4,020.72	1/2	3,711.02	1/2	3,401.32	1/2	3,091.61	1/2	2,781.91	1/2	2,472.21	1/2	2,162.51	1/2	1,852.81
3/4		3/4	4,323.97	3/4	4,014.27	3/4	3,704.57	3/4	3,394.86	3/4	3,085.16	3/4	2,775.46	3/4	2,465.76	3/4	2,156.06	3/4	1,846.35
10		10	4,317.52	10	4,007.82	10	3,698.11	10	3,388.41	10	3,078.71	10	2,769.01	10	2,459.31	10	2,149.60	10	1,839.90
1/4		1/4	4,311.07	1/4	4,001.36	1/4	3,691.66	1/4	3,381.96	1/4	3,072.26	1/4	2,762.56	1/4	2,452.85	1/4	2,143.15	1/4	1,833.45
1/2		1/2	4,304.61	1/2	3,994.91	1/2	3,685.21	1/2	3,375.51	1/2	3,065.81	1/2	2,756.10	1/2	2,446.40	1/2	2,136.70	1/2	1,827.00
3/4		3/4	4,298.16	3/4	3,988.46	3/4	3,678.76	3/4	3,369.06	3/4	3,059.35	3/4	2,749.65	3/4	2,439.95	3/4	2,130.25	3/4	1,820.55
11		11	4,291.71	11	3,982.01	11	3,672.31	11	3,362.60	11	3,052.90	11	2,743.20	11	2,433.50	11	2,123.80	11	1,814.09
1/4		1/4	4,285.26	1/4	3,975.56	1/4	3,665.85	1/4	3,356.15	1/4	3,046.45	1/4	2,736.75	1/4	2,427.05	1/4	2,117.34	1/4	1,807.64
1/2		1/2	4,278.81	1/2	3,969.10	1/2	3,659.40	1/2	3,349.70	1/2	3,040.00	1/2	2,730.30	1/2	2,420.59	1/2	2,110.89	1/2	1,801.19
3/4		3/4	4,272.35	3/4	3,962.65	3/4	3,652.95	3/4	3,343.25	3/4	3,033.55	3/4	2,723.84	3/4	2,414.14	3/4	2,104.44	3/4	1,794.74

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES OBTAINED WITH "MMC" GAUGING DEVICE.
 NOTE: GAUGE POINT LOCATED 11' 3" OFF CENTERLINE AND 37' 9" FORWARD OF AFT. BULKHEAD.
 NOTE: NO TRIM CORRECTION REQUIRED DUE TO GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK.
 NOTE: CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 NOTE: CAPACITY TABLE REFLECTS BOTTOM DEADRISE.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 1/14/04 BY: BB/JF
 DATE COMPUTED: 2/12/04 BY: WHF
 DATE ISSUED: 2/13/04

INTERTEK - CALEB BRETT



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16' 11"

IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.	IN	20 FT.
0	1,788.28	0	1,478.89	0	1,170.74	0	861.11	0	553.36	0	249.14	0		0		0		0	
1/4	1,781.83	1/4	1,472.48	1/4	1,164.29	1/4	854.66	1/4	547.00	1/4	243.17	1/4		1/4		1/4		1/4	
1/2	1,775.38	1/2	1,466.06	1/2	1,157.84	1/2	848.20	1/2	540.65	1/2	237.19	1/2		1/2		1/2		1/2	
3/4	1,768.93	3/4	1,459.65	3/4	1,151.39	3/4	841.75	3/4	534.29	3/4	231.22	3/4		3/4		3/4		3/4	
1	1,762.48	1	1,453.24	1	1,144.94	1	835.30	1	527.94	1	225.24	1		1		1		1	
1/4	1,756.02	1/4	1,446.82	1/4	1,138.49	1/4	828.85	1/4	521.51	1/4	219.35	1/4		1/4		1/4		1/4	
1/2	1,749.57	1/2	1,440.41	1/2	1,132.05	1/2	822.40	1/2	515.08	1/2	213.46	1/2		1/2		1/2		1/2	
3/4	1,743.12	3/4	1,433.99	3/4	1,125.60	3/4	815.95	3/4	508.64	3/4	207.57	3/4		3/4		3/4		3/4	
2	1,736.67	2	1,427.58	2	1,119.15	2	809.49	2	502.21	2	201.68	2		2		2		2	
1/4	1,730.22	1/4	1,421.17	1/4	1,112.70	1/4	803.04	1/4	495.78	1/4	195.87	1/4		1/4		1/4		1/4	
1/2	1,723.76	1/2	1,414.75	1/2	1,106.25	1/2	796.59	1/2	489.35	1/2	190.06	1/2		1/2		1/2		1/2	
3/4	1,717.31	3/4	1,408.34	3/4	1,099.80	3/4	790.14	3/4	482.92	3/4	184.25	3/4		3/4		3/4		3/4	
3	1,710.86	3	1,401.93	3	1,093.35	3	783.69	3	476.49	3	178.44	3		3		3		3	
1/4	1,704.41	1/4	1,395.51	1/4	1,086.90	1/4	777.24	1/4	470.06	1/4	172.72	1/4		1/4		1/4		1/4	
1/2	1,697.95	1/2	1,389.10	1/2	1,080.45	1/2	770.79	1/2	463.63	1/2	166.99	1/2		1/2		1/2		1/2	
3/4	1,691.50	3/4	1,382.69	3/4	1,074.00	3/4	764.33	3/4	457.20	3/4	161.27	3/4		3/4		3/4		3/4	
4	1,685.05	4	1,376.27	4	1,067.56	4	757.88	4	450.77	4	155.54	4		4		4		4	
1/4	1,678.60	1/4	1,369.86	1/4	1,061.10	1/4	751.43	1/4	444.34	1/4	149.90	1/4		1/4		1/4		1/4	
1/2	1,672.15	1/2	1,363.44	1/2	1,054.65	1/2	744.98	1/2	437.91	1/2	144.26	1/2		1/2		1/2		1/2	
3/4	1,665.69	3/4	1,357.03	3/4	1,048.20	3/4	738.53	3/4	431.48	3/4	138.61	3/4		3/4		3/4		3/4	
5	1,659.24	5	1,350.62	5	1,041.75	5	732.08	5	425.05	5	132.97	5		5		5		5	
1/4	1,652.79	1/4	1,344.20	1/4	1,035.30	1/4	725.63	1/4	418.62	1/4	127.41	1/4		1/4		1/4		1/4	
1/2	1,646.34	1/2	1,337.79	1/2	1,028.85	1/2	719.17	1/2	412.19	1/2	121.85	1/2		1/2		1/2		1/2	
3/4	1,639.89	3/4	1,331.38	3/4	1,022.40	3/4	712.72	3/4	405.76	3/4	116.29	3/4		3/4		3/4		3/4	
6	1,633.43	6	1,324.96	6	1,015.94	6	706.27	6	399.33	6	110.73	6		6		6		6	
1/4	1,626.98	1/4	1,318.55	1/4	1,009.49	1/4	699.82	1/4	392.90	1/4	105.25	1/4		1/4		1/4		1/4	
1/2	1,620.53	1/2	1,312.13	1/2	1,003.04	1/2	693.37	1/2	386.46	1/2	99.78	1/2		1/2		1/2		1/2	
3/4	1,614.08	3/4	1,305.72	3/4	996.59	3/4	686.92	3/4	380.03	3/4	94.30	3/4		3/4		3/4		3/4	
7	1,607.63	7	1,299.31	7	990.14	7	680.46	7	373.60	7	88.82	7		7		7		7	
1/4	1,601.17	1/4	1,292.89	1/4	983.69	1/4	674.11	1/4	367.21	1/4	83.43	1/4		1/4		1/4		1/4	
1/2	1,594.72	1/2	1,286.48	1/2	977.23	1/2	667.75	1/2	360.83	1/2	78.04	1/2		1/2		1/2		1/2	
3/4	1,588.27	3/4	1,280.07	3/4	970.78	3/4	661.40	3/4	354.44	3/4	72.64	3/4		3/4		3/4		3/4	
8	1,581.82	8	1,273.65	8	964.33	8	655.04	8	348.05	8	67.25	8		8		8		8	
1/4	1,575.36	1/4	1,267.24	1/4	957.88	1/4	648.69	1/4	341.74	1/4	61.94	1/4		1/4		1/4		1/4	
1/2	1,568.91	1/2	1,260.82	1/2	951.43	1/2	642.33	1/2	335.44	1/2	56.63	1/2		1/2		1/2		1/2	
3/4	1,562.46	3/4	1,254.41	3/4	944.98	3/4	635.98	3/4	329.13	3/4	51.32	3/4		3/4		3/4		3/4	
9	1,556.01	9	1,247.99	9	938.53	9	629.62	9	322.82	9	46.00	9		9		9		9	
1/4	1,549.56	1/4	1,241.58	1/4	932.07	1/4	623.27	1/4	316.60	1/4	41.40	1/4		1/4		1/4		1/4	
1/2	1,543.10	1/2	1,235.16	1/2	925.62	1/2	616.91	1/2	310.38	1/2	36.79	1/2		1/2		1/2		1/2	
3/4	1,536.65	3/4	1,228.75	3/4	919.17	3/4	610.56	3/4	304.15	3/4	32.18	3/4		3/4		3/4		3/4	
10	1,530.20	10	1,222.33	10	912.72	10	604.20	10	297.93	10	27.57	10		10		10		10	
1/4	1,523.79	1/4	1,215.88	1/4	906.27	1/4	597.85	1/4	291.79	1/4	24.29	1/4		1/4		1/4		1/4	
1/2	1,517.37	1/2	1,209.43	1/2	899.82	1/2	591.49	1/2	285.65	1/2	21.00	1/2		1/2		1/2		1/2	
3/4	1,510.96	3/4	1,202.98	3/4	893.36	3/4	585.13	3/4	279.51	3/4	17.72	3/4		3/4		3/4		3/4	
11	1,504.55	11	1,196.53	11	886.91	11	578.78	11	273.37	11	14.43	11		11		11		11	
1/4	1,498.13	1/4	1,190.09	1/4	880.46	1/4	572.42	1/4	267.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,491.72	1/2	1,183.64	1/2	874.01	1/2	566.07	1/2	261.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,485.30	3/4	1,177.19	3/4	867.56	3/4	559.71	3/4	255.20	3/4		3/4		3/4		3/4		3/4	

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

INTERTEK - CALEB BRETT



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16' 10"

IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0		0	5,257.27	0	4,940.19	0	4,583.35	0	4,226.51	0	3,869.66	0	3,512.82	0	3,155.97	0	2,799.13	0	2,442.28
1/4		1/4	5,254.81	1/4	4,932.76	1/4	4,575.92	1/4	4,219.07	1/4	3,862.23	1/4	3,505.38	1/4	3,148.54	1/4	2,791.69	1/4	2,434.85
1/2		1/2	5,252.35	1/2	4,925.33	1/2	4,568.48	1/2	4,211.64	1/2	3,854.79	1/2	3,497.95	1/2	3,141.10	1/2	2,784.26	1/2	2,427.42
3/4		3/4	5,248.64	3/4	4,917.89	3/4	4,561.05	3/4	4,204.20	3/4	3,847.36	3/4	3,490.51	3/4	3,133.67	3/4	2,776.83	3/4	2,419.98
1		1	5,244.93	1	4,910.46	1	4,553.61	1	4,196.77	1	3,839.92	1	3,483.08	1	3,126.24	1	2,769.39	1	2,412.55
1/4		1/4	5,241.23	1/4	4,903.02	1/4	4,546.18	1/4	4,189.33	1/4	3,832.49	1/4	3,475.65	1/4	3,118.80	1/4	2,761.96	1/4	2,405.11
1/2		1/2	5,237.52	1/2	4,895.59	1/2	4,538.74	1/2	4,181.90	1/2	3,825.06	1/2	3,468.21	1/2	3,111.37	1/2	2,754.52	1/2	2,397.68
3/4		3/4	5,232.57	3/4	4,888.15	3/4	4,531.31	3/4	4,174.47	3/4	3,817.62	3/4	3,460.78	3/4	3,103.93	3/4	2,747.09	3/4	2,390.25
2		2	5,227.62	2	4,880.72	2	4,523.88	2	4,167.03	2	3,810.19	2	3,453.34	2	3,096.50	2	2,739.65	2	2,382.81
1/4		1/4	5,222.67	1/4	4,873.29	1/4	4,516.44	1/4	4,159.60	1/4	3,802.75	1/4	3,445.91	1/4	3,089.06	1/4	2,732.22	1/4	2,375.38
1/2		1/2	5,217.73	1/2	4,865.85	1/2	4,509.01	1/2	4,152.16	1/2	3,795.32	1/2	3,438.47	1/2	3,081.63	1/2	2,724.79	1/2	2,367.94
3/4		3/4	5,211.53	3/4	4,858.42	3/4	4,501.57	3/4	4,144.73	3/4	3,787.88	3/4	3,431.04	3/4	3,074.20	3/4	2,717.35	3/4	2,360.51
3		3	5,205.34	3	4,850.98	3	4,494.14	3	4,137.29	3	3,780.45	3	3,423.61	3	3,066.76	3	2,709.92	3	2,353.07
1/4		1/4	5,199.15	1/4	4,843.55	1/4	4,486.70	1/4	4,129.86	1/4	3,773.02	1/4	3,416.17	1/4	3,059.33	1/4	2,702.48	1/4	2,345.64
1/2		1/2	5,192.96	1/2	4,836.11	1/2	4,479.27	1/2	4,122.43	1/2	3,765.58	1/2	3,408.74	1/2	3,051.89	1/2	2,695.05	1/2	2,338.21
3/4		3/4	5,185.52	3/4	4,828.68	3/4	4,471.84	3/4	4,114.99	3/4	3,758.15	3/4	3,401.30	3/4	3,044.46	3/4	2,687.62	3/4	2,330.77
4		4	5,178.09	4	4,821.25	4	4,464.40	4	4,107.56	4	3,750.71	4	3,393.87	4	3,037.03	4	2,680.18	4	2,323.34
1/4		1/4	5,170.66	1/4	4,813.81	1/4	4,456.97	1/4	4,100.12	1/4	3,743.28	1/4	3,386.44	1/4	3,029.59	1/4	2,672.75	1/4	2,315.90
1/2		1/2	5,163.22	1/2	4,806.38	1/2	4,449.53	1/2	4,092.69	1/2	3,735.85	1/2	3,379.00	1/2	3,022.16	1/2	2,665.31	1/2	2,308.47
3/4		3/4	5,155.79	3/4	4,798.94	3/4	4,442.10	3/4	4,085.25	3/4	3,728.41	3/4	3,371.57	3/4	3,014.72	3/4	2,657.88	3/4	2,301.03
5		5	5,148.35	5	4,791.51	5	4,434.66	5	4,077.82	5	3,720.98	5	3,364.13	5	3,007.29	5	2,650.44	5	2,293.60
1/4		1/4	5,140.92	1/4	4,784.07	1/4	4,427.23	1/4	4,070.39	1/4	3,713.54	1/4	3,356.70	1/4	2,999.85	1/4	2,643.01	1/4	2,286.17
1/2		1/2	5,133.48	1/2	4,776.64	1/2	4,419.80	1/2	4,062.95	1/2	3,706.11	1/2	3,349.26	1/2	2,992.42	1/2	2,635.58	1/2	2,278.73
3/4		3/4	5,126.05	3/4	4,769.21	3/4	4,412.36	3/4	4,055.52	3/4	3,698.67	3/4	3,341.83	3/4	2,984.99	3/4	2,628.14	3/4	2,271.30
6		6	5,118.62	6	4,761.77	6	4,404.93	6	4,048.08	6	3,691.24	6	3,334.40	6	2,977.55	6	2,620.71	6	2,263.86
1/4		1/4	5,111.18	1/4	4,754.34	1/4	4,397.49	1/4	4,040.65	1/4	3,683.81	1/4	3,326.96	1/4	2,970.12	1/4	2,613.27	1/4	2,256.43
1/2		1/2	5,103.75	1/2	4,746.90	1/2	4,390.06	1/2	4,033.22	1/2	3,676.37	1/2	3,319.53	1/2	2,962.68	1/2	2,605.84	1/2	2,249.99
3/4		3/4	5,096.31	3/4	4,739.47	3/4	4,382.63	3/4	4,025.78	3/4	3,668.94	3/4	3,312.09	3/4	2,955.25	3/4	2,598.40	3/4	2,241.56
7		7	5,088.88	7	4,732.04	7	4,375.19	7	4,018.35	7	3,661.50	7	3,304.66	7	2,947.81	7	2,590.97	7	2,234.13
1/4		1/4	5,081.45	1/4	4,724.60	1/4	4,367.76	1/4	4,010.91	1/4	3,654.07	1/4	3,297.22	1/4	2,940.38	1/4	2,583.54	1/4	2,226.69
1/2		1/2	5,074.01	1/2	4,717.17	1/2	4,360.32	1/2	4,003.48	1/2	3,646.63	1/2	3,289.79	1/2	2,932.95	1/2	2,576.10	1/2	2,219.26
3/4		3/4	5,066.58	3/4	4,709.73	3/4	4,352.89	3/4	3,996.04	3/4	3,639.20	3/4	3,282.36	3/4	2,925.51	3/4	2,568.67	3/4	2,211.82
8		8	5,059.14	8	4,702.30	8	4,345.45	8	3,988.61	8	3,631.77	8	3,274.92	8	2,918.08	8	2,561.23	8	2,204.39
1/4		1/4	5,051.71	1/4	4,694.86	1/4	4,338.02	1/4	3,981.18	1/4	3,624.33	1/4	3,267.49	1/4	2,910.64	1/4	2,553.80	1/4	2,196.95
1/2		1/2	5,044.27	1/2	4,687.43	1/2	4,330.59	1/2	3,973.74	1/2	3,616.90	1/2	3,260.05	1/2	2,903.21	1/2	2,546.36	1/2	2,189.52
3/4		3/4	5,036.84	3/4	4,680.00	3/4	4,323.15	3/4	3,966.31	3/4	3,609.46	3/4	3,252.62	3/4	2,895.77	3/4	2,538.93	3/4	2,182.09
9		9	5,029.41	9	4,672.56	9	4,315.72	9	3,958.87	9	3,602.03	9	3,245.18	9	2,888.34	9	2,531.50	9	2,174.65
1/4		1/4	5,021.97	1/4	4,665.13	1/4	4,308.28	1/4	3,951.44	1/4	3,594.59	1/4	3,237.75	1/4	2,880.91	1/4	2,524.06	1/4	2,167.22
1/2		1/2	5,014.54	1/2	4,657.69	1/2	4,300.85	1/2	3,944.00	1/2	3,587.16	1/2	3,230.32	1/2	2,873.47	1/2	2,516.63	1/2	2,159.78
3/4		3/4	5,007.10	3/4	4,650.26	3/4	4,293.41	3/4	3,936.57	3/4	3,579.73	3/4	3,222.88	3/4	2,866.04	3/4	2,509.19	3/4	2,152.35
10		10	4,999.67	10	4,642.82	10	4,285.98	10	3,929.14	10	3,572.29	10	3,215.45	10	2,858.60	10	2,501.76	10	2,144.91
1/4		1/4	4,992.23	1/4	4,635.39	1/4	4,278.55	1/4	3,921.70	1/4	3,564.86	1/4	3,208.01	1/4	2,851.17	1/4	2,494.32	1/4	2,137.48
1/2	5,267.09	1/2	4,984.80	1/2	4,627.96	1/2	4,271.11	1/2	3,914.27	1/2	3,557.42	1/2	3,200.58	1/2	2,843.73	1/2	2,486.89	1/2	2,130.05
3/4	5,265.86	3/4	4,977.37	3/4	4,620.52	3/4	4,263.68	3/4	3,906.83	3/4	3,549.99	3/4	3,193.14	3/4	2,836.30	3/4	2,479.46	3/4	2,122.61
11	5,264.64	11	4,969.93	11	4,613.09	11	4,256.24	11	3,899.40	11	3,542.55	11	3,185.71	11	2,828.87	11	2,472.02	11	2,115.18
1/4	5,263.42	1/4	4,962.50	1/4	4,605.65	1/4	4,248.81	1/4	3,891.96	1/4	3,535.12	1/4	3,178.28	1/4	2,821.43	1/4	2,464.59	1/4	2,107.74
1/2	5,262.20	1/2	4,955.06	1/2	4,598.22	1/2	4,241.37	1/2	3,884.53	1/2	3,527.69	1/2	3,170.84	1/2	2,814.00	1/2	2,457.15	1/2	2,100.31
3/4	5,259.74	3/4	4,947.63	3/4	4,590.78	3/4	4,233.94	3/4	3,877.10	3/4	3,520.25	3/4	3,163.41	3/4	2,806.56	3/4	2,449.72	3/4	2,092.87

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES OBTAINED WITH "MMC" GAUGING DEVICE.
 NOTE: GAUGE POINT LOCATED 11' 4" OFF CENTERLINE AND 45' 3" FORWARD OF AFT. BULKHEAD.
 NOTE: NO TRIM CORRECTION REQUIRED DUE TO GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK.
 NOTE: CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 NOTE: CAPACITY TABLE REFLECTS BOTTOM DEADRISE.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 1/14/04 BY: BB/JF
 DATE COMPUTED: 2/12/04 BY: WHF
 DATE ISSUED: 2/13/04

INTERTEK - CALEB BRETT



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16' 10"

IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.	IN	20 FT.
0	2,085.44	0	1,728.60	0	1,371.75	0	1,014.91	0	658.06	0	301.22	0		0		0		0	
1/4	2,078.01	1/4	1,721.16	1/4	1,364.32	1/4	1,007.47	1/4	650.63	1/4	293.79	1/4		1/4		1/4		1/4	
1/2	2,070.57	1/2	1,713.73	1/2	1,356.88	1/2	1,000.04	1/2	643.20	1/2	286.35	1/2		1/2		1/2		1/2	
3/4	2,063.14	3/4	1,706.29	3/4	1,349.45	3/4	992.61	3/4	635.76	3/4	278.92	3/4		3/4		3/4		3/4	
1	2,055.70	1	1,698.86	1	1,342.02	1	985.17	1	628.33	1	271.48	1		1		1		1	
1/4	2,048.27	1/4	1,691.43	1/4	1,334.58	1/4	977.74	1/4	620.89	1/4	264.05	1/4		1/4		1/4		1/4	
1/2	2,040.84	1/2	1,683.99	1/2	1,327.15	1/2	970.30	1/2	613.46	1/2	256.61	1/2		1/2		1/2		1/2	
3/4	2,033.40	3/4	1,676.56	3/4	1,319.71	3/4	962.87	3/4	606.02	3/4	249.18	3/4		3/4		3/4		3/4	
2	2,025.97	2	1,669.12	2	1,312.28	2	955.43	2	598.59	2	241.75	2		2		2		2	
1/4	2,018.53	1/4	1,661.69	1/4	1,304.84	1/4	948.00	1/4	591.16	1/4	234.31	1/4		1/4		1/4		1/4	
1/2	2,011.10	1/2	1,654.25	1/2	1,297.41	1/2	940.57	1/2	583.72	1/2	226.88	1/2		1/2		1/2		1/2	
3/4	2,003.66	3/4	1,646.82	3/4	1,289.98	3/4	933.13	3/4	576.29	3/4	219.44	3/4		3/4		3/4		3/4	
3	1,996.23	3	1,639.39	3	1,282.54	3	925.70	3	568.85	3	212.01	3		3		3		3	
1/4	1,988.80	1/4	1,631.95	1/4	1,275.11	1/4	918.26	1/4	561.42	1/4	204.57	1/4		1/4		1/4		1/4	
1/2	1,981.36	1/2	1,624.52	1/2	1,267.67	1/2	910.83	1/2	553.98	1/2	197.14	1/2		1/2		1/2		1/2	
3/4	1,973.93	3/4	1,617.08	3/4	1,260.24	3/4	903.39	3/4	546.55	3/4	189.71	3/4		3/4		3/4		3/4	
4	1,966.49	4	1,609.65	4	1,252.80	4	895.96	4	539.12	4	182.27	4		4		4		4	
1/4	1,959.06	1/4	1,602.21	1/4	1,245.37	1/4	888.53	1/4	531.68	1/4	174.84	1/4		1/4		1/4		1/4	
1/2	1,951.62	1/2	1,594.78	1/2	1,237.94	1/2	881.09	1/2	524.25	1/2	167.40	1/2		1/2		1/2		1/2	
3/4	1,944.19	3/4	1,587.35	3/4	1,230.50	3/4	873.66	3/4	516.81	3/4	159.97	3/4		3/4		3/4		3/4	
5	1,936.76	5	1,579.91	5	1,223.07	5	866.22	5	509.38	5	152.53	5		5		5		5	
1/4	1,929.32	1/4	1,572.48	1/4	1,215.63	1/4	858.79	1/4	501.94	1/4	145.10	1/4		1/4		1/4		1/4	
1/2	1,921.89	1/2	1,565.04	1/2	1,208.20	1/2	851.35	1/2	494.51	1/2	137.67	1/2		1/2		1/2		1/2	
3/4	1,914.45	3/4	1,557.61	3/4	1,200.76	3/4	843.92	3/4	487.08	3/4	130.23	3/4		3/4		3/4		3/4	
6	1,907.02	6	1,550.17	6	1,193.33	6	836.49	6	479.64	6	122.80	6		6		6		6	
1/4	1,899.58	1/4	1,542.74	1/4	1,185.90	1/4	829.05	1/4	472.21	1/4	115.36	1/4		1/4		1/4		1/4	
1/2	1,892.15	1/2	1,535.31	1/2	1,178.46	1/2	821.62	1/2	464.77	1/2	107.93	1/2		1/2		1/2		1/2	
3/4	1,884.72	3/4	1,527.87	3/4	1,171.03	3/4	814.18	3/4	457.34	3/4	100.49	3/4		3/4		3/4		3/4	
7	1,877.28	7	1,520.44	7	1,163.59	7	806.75	7	449.90	7	93.06	7		7		7		7	
1/4	1,869.85	1/4	1,513.00	1/4	1,156.16	1/4	799.31	1/4	442.47	1/4	85.63	1/4		1/4		1/4		1/4	
1/2	1,862.41	1/2	1,505.57	1/2	1,148.72	1/2	791.88	1/2	435.04	1/2	78.19	1/2		1/2		1/2		1/2	
3/4	1,854.98	3/4	1,498.13	3/4	1,141.29	3/4	784.45	3/4	427.60	3/4	70.76	3/4		3/4		3/4		3/4	
8	1,847.54	8	1,490.70	8	1,133.86	8	777.01	8	420.17	8	63.32	8		8		8		8	
1/4	1,840.11	1/4	1,483.27	1/4	1,126.42	1/4	769.58	1/4	412.73	1/4	56.82	1/4		1/4		1/4		1/4	
1/2	1,832.68	1/2	1,475.83	1/2	1,118.99	1/2	762.14	1/2	405.30	1/2	50.32	1/2		1/2		1/2		1/2	
3/4	1,825.24	3/4	1,468.40	3/4	1,111.55	3/4	754.71	3/4	397.86	3/4	43.82	3/4		3/4		3/4		3/4	
9	1,817.81	9	1,460.96	9	1,104.12	9	747.27	9	390.43	9	37.31	9		9		9		9	
1/4	1,810.37	1/4	1,453.53	1/4	1,096.68	1/4	739.84	1/4	383.00	1/4	32.68	1/4		1/4		1/4		1/4	
1/2	1,802.94	1/2	1,446.09	1/2	1,089.25	1/2	732.41	1/2	375.56	1/2	28.04	1/2		1/2		1/2		1/2	
3/4	1,795.50	3/4	1,438.66	3/4	1,081.82	3/4	724.97	3/4	368.13	3/4	23.40	3/4		3/4		3/4		3/4	
10	1,788.07	10	1,431.23	10	1,074.38	10	717.54	10	360.69	10	18.76	10		10		10		10	
1/4	1,780.64	1/4	1,423.79	1/4	1,066.95	1/4	710.10	1/4	353.26	1/4		1/4		1/4		1/4		1/4	
1/2	1,773.20	1/2	1,416.36	1/2	1,059.51	1/2	702.67	1/2	345.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,765.77	3/4	1,408.92	3/4	1,052.08	3/4	695.24	3/4	338.39	3/4		3/4		3/4		3/4		3/4	
11	1,758.33	11	1,401.49	11	1,044.64	11	687.80	11	330.96	11		11		11		11		11	
1/4	1,750.90	1/4	1,394.05	1/4	1,037.21	1/4	680.37	1/4	323.52	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.46	1/2	1,386.62	1/2	1,029.78	1/2	672.93	1/2	316.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,736.03	3/4	1,379.19	3/4	1,022.34	3/4	665.50	3/4	308.65	3/4		3/4		3/4		3/4		3/4	

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.



BARGE "GBL 1030"
HULL NO. 03-2999

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16' 10-1/4"

IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0		0	5,259.74	0	4,947.63	0	4,590.78	0	4,233.94	0	3,877.10	0	3,520.25	0	3,163.41	0	2,806.56	0	2,449.72
1/4		1/4	5,257.27	1/4	4,940.19	1/4	4,583.35	1/4	4,226.51	1/4	3,869.66	1/4	3,512.82	1/4	3,155.97	1/4	2,799.13	1/4	2,442.28
1/2		1/2	5,254.81	1/2	4,932.76	1/2	4,575.92	1/2	4,219.07	1/2	3,862.23	1/2	3,505.38	1/2	3,148.54	1/2	2,791.69	1/2	2,434.85
3/4		3/4	5,252.35	3/4	4,925.33	3/4	4,568.48	3/4	4,211.64	3/4	3,854.79	3/4	3,497.95	3/4	3,141.10	3/4	2,784.26	3/4	2,427.42
1		1	5,248.64	1	4,917.89	1	4,561.05	1	4,204.20	1	3,847.36	1	3,490.51	1	3,133.67	1	2,776.83	1	2,419.98
1/4		1/4	5,244.93	1/4	4,910.46	1/4	4,553.61	1/4	4,196.77	1/4	3,839.92	1/4	3,483.08	1/4	3,126.24	1/4	2,769.39	1/4	2,412.55
1/2		1/2	5,241.23	1/2	4,903.02	1/2	4,546.18	1/2	4,189.33	1/2	3,832.49	1/2	3,475.65	1/2	3,118.80	1/2	2,761.96	1/2	2,405.11
3/4		3/4	5,237.52	3/4	4,895.59	3/4	4,538.74	3/4	4,181.90	3/4	3,825.06	3/4	3,468.21	3/4	3,111.37	3/4	2,754.52	3/4	2,397.68
2		2	5,232.57	2	4,888.15	2	4,531.31	2	4,174.47	2	3,817.62	2	3,460.78	2	3,103.93	2	2,747.09	2	2,390.25
1/4		1/4	5,227.62	1/4	4,880.72	1/4	4,523.88	1/4	4,167.03	1/4	3,810.19	1/4	3,453.34	1/4	3,096.50	1/4	2,739.65	1/4	2,382.81
1/2		1/2	5,222.67	1/2	4,873.29	1/2	4,516.44	1/2	4,159.60	1/2	3,802.75	1/2	3,445.91	1/2	3,089.06	1/2	2,732.22	1/2	2,375.38
3/4		3/4	5,217.73	3/4	4,865.85	3/4	4,509.01	3/4	4,152.16	3/4	3,795.32	3/4	3,438.47	3/4	3,081.63	3/4	2,724.79	3/4	2,367.94
3		3	5,211.53	3	4,858.42	3	4,501.57	3	4,144.73	3	3,787.88	3	3,431.04	3	3,074.20	3	2,717.35	3	2,360.51
1/4		1/4	5,205.34	1/4	4,850.98	1/4	4,494.14	1/4	4,137.29	1/4	3,780.45	1/4	3,423.61	1/4	3,066.76	1/4	2,709.92	1/4	2,353.07
1/2		1/2	5,199.15	1/2	4,843.55	1/2	4,486.70	1/2	4,129.86	1/2	3,773.02	1/2	3,416.17	1/2	3,059.33	1/2	2,702.48	1/2	2,345.64
3/4		3/4	5,192.96	3/4	4,836.11	3/4	4,479.27	3/4	4,122.43	3/4	3,765.58	3/4	3,408.74	3/4	3,051.89	3/4	2,695.05	3/4	2,338.21
4		4	5,185.52	4	4,828.68	4	4,471.84	4	4,114.99	4	3,758.15	4	3,401.30	4	3,044.46	4	2,687.62	4	2,330.77
1/4		1/4	5,178.09	1/4	4,821.25	1/4	4,464.40	1/4	4,107.56	1/4	3,750.71	1/4	3,393.87	1/4	3,037.03	1/4	2,680.18	1/4	2,323.34
1/2		1/2	5,170.66	1/2	4,813.81	1/2	4,456.97	1/2	4,100.12	1/2	3,743.28	1/2	3,386.44	1/2	3,029.59	1/2	2,672.75	1/2	2,315.90
3/4		3/4	5,163.22	3/4	4,806.38	3/4	4,449.53	3/4	4,092.69	3/4	3,735.85	3/4	3,379.00	3/4	3,022.16	3/4	2,665.31	3/4	2,308.47
5		5	5,155.79	5	4,798.94	5	4,442.10	5	4,085.25	5	3,728.41	5	3,371.57	5	3,014.72	5	2,657.88	5	2,301.03
1/4		1/4	5,148.35	1/4	4,791.51	1/4	4,434.66	1/4	4,077.82	1/4	3,720.98	1/4	3,364.13	1/4	3,007.29	1/4	2,650.44	1/4	2,293.60
1/2		1/2	5,140.92	1/2	4,784.07	1/2	4,427.23	1/2	4,070.39	1/2	3,713.54	1/2	3,356.70	1/2	2,999.85	1/2	2,643.01	1/2	2,286.17
3/4		3/4	5,133.48	3/4	4,776.64	3/4	4,419.80	3/4	4,062.95	3/4	3,706.11	3/4	3,349.26	3/4	2,992.42	3/4	2,635.58	3/4	2,278.73
6		6	5,126.05	6	4,769.21	6	4,412.36	6	4,055.52	6	3,698.67	6	3,341.83	6	2,984.99	6	2,628.14	6	2,271.30
1/4		1/4	5,118.62	1/4	4,761.77	1/4	4,404.93	1/4	4,048.08	1/4	3,691.24	1/4	3,334.40	1/4	2,977.55	1/4	2,620.71	1/4	2,263.86
1/2		1/2	5,111.18	1/2	4,754.34	1/2	4,397.49	1/2	4,040.65	1/2	3,683.81	1/2	3,326.96	1/2	2,970.12	1/2	2,613.27	1/2	2,256.43
3/4		3/4	5,103.75	3/4	4,746.90	3/4	4,390.06	3/4	4,033.22	3/4	3,676.37	3/4	3,319.53	3/4	2,962.68	3/4	2,605.84	3/4	2,248.99
7		7	5,096.31	7	4,739.47	7	4,382.63	7	4,025.78	7	3,668.94	7	3,312.09	7	2,955.25	7	2,598.40	7	2,241.56
1/4		1/4	5,088.88	1/4	4,732.04	1/4	4,375.19	1/4	4,018.35	1/4	3,661.50	1/4	3,304.66	1/4	2,947.81	1/4	2,590.97	1/4	2,234.13
1/2		1/2	5,081.45	1/2	4,724.60	1/2	4,367.76	1/2	4,010.91	1/2	3,654.07	1/2	3,297.22	1/2	2,940.38	1/2	2,583.54	1/2	2,226.69
3/4		3/4	5,074.01	3/4	4,717.17	3/4	4,360.32	3/4	4,003.48	3/4	3,646.63	3/4	3,289.79	3/4	2,932.95	3/4	2,576.10	3/4	2,219.26
8		8	5,066.58	8	4,709.73	8	4,352.89	8	3,996.04	8	3,639.20	8	3,282.36	8	2,925.51	8	2,568.67	8	2,211.82
1/4		1/4	5,059.14	1/4	4,702.30	1/4	4,345.45	1/4	3,988.61	1/4	3,631.77	1/4	3,274.92	1/4	2,918.08	1/4	2,561.23	1/4	2,204.39
1/2		1/2	5,051.71	1/2	4,694.86	1/2	4,338.02	1/2	3,981.18	1/2	3,624.33	1/2	3,267.49	1/2	2,910.64	1/2	2,553.80	1/2	2,196.95
3/4		3/4	5,044.27	3/4	4,687.43	3/4	4,330.59	3/4	3,973.74	3/4	3,616.90	3/4	3,260.05	3/4	2,903.21	3/4	2,546.36	3/4	2,189.52
9		9	5,036.84	9	4,680.00	9	4,323.15	9	3,966.31	9	3,609.46	9	3,252.62	9	2,895.77	9	2,538.93	9	2,182.09
1/4		1/4	5,029.41	1/4	4,672.56	1/4	4,315.72	1/4	3,958.87	1/4	3,602.03	1/4	3,245.18	1/4	2,888.34	1/4	2,531.50	1/4	2,174.65
1/2		1/2	5,021.97	1/2	4,665.13	1/2	4,308.28	1/2	3,951.44	1/2	3,594.59	1/2	3,237.75	1/2	2,880.91	1/2	2,524.06	1/2	2,167.22
3/4		3/4	5,014.54	3/4	4,657.69	3/4	4,300.85	3/4	3,944.00	3/4	3,587.16	3/4	3,230.32	3/4	2,873.47	3/4	2,516.63	3/4	2,159.78
10		10	5,007.10	10	4,650.26	10	4,293.41	10	3,936.57	10	3,579.73	10	3,222.88	10	2,866.04	10	2,509.19	10	2,152.35
1/4		1/4	4,999.67	1/4	4,642.82	1/4	4,285.98	1/4	3,929.14	1/4	3,572.29	1/4	3,215.45	1/4	2,858.60	1/4	2,501.76	1/4	2,144.91
1/2		1/2	4,992.23	1/2	4,635.39	1/2	4,278.55	1/2	3,921.70	1/2	3,564.86	1/2	3,208.01	1/2	2,851.17	1/2	2,494.32	1/2	2,137.48
3/4	5,267.09	3/4	4,984.80	3/4	4,627.96	3/4	4,271.11	3/4	3,914.27	3/4	3,557.42	3/4	3,200.58	3/4	2,843.73	3/4	2,486.89	3/4	2,130.05
11	5,265.86	11	4,977.37	11	4,620.52	11	4,263.68	11	3,906.83	11	3,549.99	11	3,193.14	11	2,836.30	11	2,479.46	11	2,122.61
1/4	5,264.64	1/4	4,969.93	1/4	4,613.09	1/4	4,256.24	1/4	3,899.40	1/4	3,542.55	1/4	3,185.71	1/4	2,828.87	1/4	2,472.02	1/4	2,115.18
1/2	5,263.42	1/2	4,962.50	1/2	4,605.65	1/2	4,248.81	1/2	3,891.96	1/2	3,535.12	1/2	3,178.28	1/2	2,821.43	1/2	2,464.59	1/2	2,107.74
3/4	5,262.20	3/4	4,955.06	3/4	4,598.22	3/4	4,241.37	3/4	3,884.53	3/4	3,527.69	3/4	3,170.84	3/4	2,814.00	3/4	2,457.15	3/4	2,100.31

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES OBTAINED WITH "MMC" GAUGING DEVICE.
 NOTE: GAUGE POINT LOCATED 11' 3" OFF CENTERLINE AND 45' 3" FORWARD OF AFT. BULKHEAD.
 NOTE: NO TRIM CORRECTION REQUIRED DUE TO GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK.
 NOTE: CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 NOTE: CAPACITY TABLE REFLECTS BOTTOM DEADRISE.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 1/14/04 BY: BB/JF
 DATE COMPUTED: 2/12/04 BY: WHF
 DATE ISSUED: 2/13/04

INTERTEK - CALEB BRETT



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16' 10-1/4"

IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.	IN	20 FT.
0	2,092.87	0	1,736.03	0	1,379.19	0	1,022.34	0	665.50	0	308.65	0		0		0		0	
1/4	2,085.44	1/4	1,728.60	1/4	1,371.75	1/4	1,014.91	1/4	658.06	1/4	301.22	1/4		1/4		1/4		1/4	
1/2	2,078.01	1/2	1,721.16	1/2	1,364.32	1/2	1,007.47	1/2	650.63	1/2	293.79	1/2		1/2		1/2		1/2	
3/4	2,070.57	3/4	1,713.73	3/4	1,356.88	3/4	1,000.04	3/4	643.20	3/4	286.35	3/4		3/4		3/4		3/4	
1	2,063.14	1	1,706.29	1	1,349.45	1	992.61	1	635.76	1	278.92	1		1		1		1	
1/4	2,055.70	1/4	1,698.86	1/4	1,342.02	1/4	985.17	1/4	628.33	1/4	271.48	1/4		1/4		1/4		1/4	
1/2	2,048.27	1/2	1,691.43	1/2	1,334.58	1/2	977.74	1/2	620.89	1/2	264.05	1/2		1/2		1/2		1/2	
3/4	2,040.84	3/4	1,683.99	3/4	1,327.15	3/4	970.30	3/4	613.46	3/4	256.61	3/4		3/4		3/4		3/4	
2	2,033.40	2	1,676.56	2	1,319.71	2	962.87	2	606.02	2	249.18	2		2		2		2	
1/4	2,025.97	1/4	1,669.12	1/4	1,312.28	1/4	955.43	1/4	598.59	1/4	241.75	1/4		1/4		1/4		1/4	
1/2	2,018.53	1/2	1,661.69	1/2	1,304.84	1/2	948.00	1/2	591.16	1/2	234.31	1/2		1/2		1/2		1/2	
3/4	2,011.10	3/4	1,654.25	3/4	1,297.41	3/4	940.57	3/4	583.72	3/4	226.88	3/4		3/4		3/4		3/4	
3	2,003.66	3	1,646.82	3	1,289.98	3	933.13	3	576.29	3	219.44	3		3		3		3	
1/4	1,996.23	1/4	1,639.39	1/4	1,282.54	1/4	925.70	1/4	568.85	1/4	212.01	1/4		1/4		1/4		1/4	
1/2	1,988.80	1/2	1,631.95	1/2	1,275.11	1/2	918.26	1/2	561.42	1/2	204.57	1/2		1/2		1/2		1/2	
3/4	1,981.36	3/4	1,624.52	3/4	1,267.67	3/4	910.83	3/4	553.98	3/4	197.14	3/4		3/4		3/4		3/4	
4	1,973.93	4	1,617.08	4	1,260.24	4	903.39	4	546.55	4	189.71	4		4		4		4	
1/4	1,966.49	1/4	1,609.65	1/4	1,252.80	1/4	895.96	1/4	539.12	1/4	182.27	1/4		1/4		1/4		1/4	
1/2	1,959.06	1/2	1,602.21	1/2	1,245.37	1/2	888.53	1/2	531.68	1/2	174.84	1/2		1/2		1/2		1/2	
3/4	1,951.62	3/4	1,594.78	3/4	1,237.94	3/4	881.09	3/4	524.25	3/4	167.40	3/4		3/4		3/4		3/4	
5	1,944.19	5	1,587.35	5	1,230.50	5	873.66	5	516.81	5	159.97	5		5		5		5	
1/4	1,936.76	1/4	1,579.91	1/4	1,223.07	1/4	866.22	1/4	509.38	1/4	152.53	1/4		1/4		1/4		1/4	
1/2	1,929.32	1/2	1,572.48	1/2	1,215.63	1/2	858.79	1/2	501.94	1/2	145.10	1/2		1/2		1/2		1/2	
3/4	1,921.89	3/4	1,565.04	3/4	1,208.20	3/4	851.35	3/4	494.51	3/4	137.67	3/4		3/4		3/4		3/4	
6	1,914.45	6	1,557.61	6	1,200.76	6	843.92	6	487.08	6	130.23	6		6		6		6	
1/4	1,907.02	1/4	1,550.17	1/4	1,193.33	1/4	836.49	1/4	479.64	1/4	122.80	1/4		1/4		1/4		1/4	
1/2	1,899.58	1/2	1,542.74	1/2	1,185.90	1/2	829.05	1/2	472.21	1/2	115.36	1/2		1/2		1/2		1/2	
3/4	1,892.15	3/4	1,535.31	3/4	1,178.46	3/4	821.62	3/4	464.77	3/4	107.93	3/4		3/4		3/4		3/4	
7	1,884.72	7	1,527.87	7	1,171.03	7	814.18	7	457.34	7	100.49	7		7		7		7	
1/4	1,877.28	1/4	1,520.44	1/4	1,163.59	1/4	806.75	1/4	449.90	1/4	93.06	1/4		1/4		1/4		1/4	
1/2	1,869.85	1/2	1,513.00	1/2	1,156.16	1/2	799.31	1/2	442.47	1/2	85.63	1/2		1/2		1/2		1/2	
3/4	1,862.41	3/4	1,505.57	3/4	1,148.72	3/4	791.88	3/4	435.04	3/4	78.19	3/4		3/4		3/4		3/4	
8	1,854.98	8	1,498.13	8	1,141.29	8	784.45	8	427.60	8	70.76	8		8		8		8	
1/4	1,847.54	1/4	1,490.70	1/4	1,133.86	1/4	777.01	1/4	420.17	1/4	63.32	1/4		1/4		1/4		1/4	
1/2	1,840.11	1/2	1,483.27	1/2	1,126.42	1/2	769.58	1/2	412.73	1/2	56.82	1/2		1/2		1/2		1/2	
3/4	1,832.68	3/4	1,475.83	3/4	1,118.99	3/4	762.14	3/4	405.30	3/4	50.32	3/4		3/4		3/4		3/4	
9	1,825.24	9	1,468.40	9	1,111.55	9	754.71	9	397.86	9	43.82	9		9		9		9	
1/4	1,817.81	1/4	1,460.96	1/4	1,104.12	1/4	747.27	1/4	390.43	1/4	37.31	1/4		1/4		1/4		1/4	
1/2	1,810.37	1/2	1,453.53	1/2	1,096.68	1/2	739.84	1/2	383.00	1/2	32.68	1/2		1/2		1/2		1/2	
3/4	1,802.94	3/4	1,446.09	3/4	1,089.25	3/4	732.41	3/4	375.56	3/4	28.04	3/4		3/4		3/4		3/4	
10	1,795.50	10	1,438.66	10	1,081.82	10	724.97	10	368.13	10	23.40	10		10		10		10	
1/4	1,788.07	1/4	1,431.23	1/4	1,074.38	1/4	717.54	1/4	360.69	1/4	18.76	1/4		1/4		1/4		1/4	
1/2	1,780.64	1/2	1,423.79	1/2	1,066.95	1/2	710.10	1/2	353.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,773.20	3/4	1,416.36	3/4	1,059.51	3/4	702.67	3/4	345.83	3/4		3/4		3/4		3/4		3/4	
11	1,765.77	11	1,408.92	11	1,052.08	11	695.24	11	338.39	11		11		11		11		11	
1/4	1,758.33	1/4	1,401.49	1/4	1,044.64	1/4	687.80	1/4	330.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,750.90	1/2	1,394.05	1/2	1,037.21	1/2	680.37	1/2	323.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,743.46	3/4	1,386.62	3/4	1,029.78	3/4	672.93	3/4	316.09	3/4		3/4		3/4		3/4		3/4	

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

INTERTEK - CALEB BRETT



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16' 10-1/2"

IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0		0	4,835.78	0	4,599.63	0	4,337.94	0	4,076.24	0	3,814.55	0	3,532.92	0	3,175.55	0	2,818.17	0	2,460.80
1/4		1/4	4,833.98	1/4	4,594.18	1/4	4,332.49	1/4	4,070.79	1/4	3,809.10	1/4	3,525.48	1/4	3,168.10	1/4	2,810.73	1/4	2,453.35
1/2		1/2	4,832.18	1/2	4,588.73	1/2	4,327.03	1/2	4,065.34	1/2	3,803.65	1/2	3,518.03	1/2	3,160.66	1/2	2,803.28	1/2	2,445.91
3/4		3/4	4,830.37	3/4	4,583.28	3/4	4,321.58	3/4	4,059.89	3/4	3,798.19	3/4	3,510.59	3/4	3,153.21	3/4	2,795.84	3/4	2,438.46
1		1	4,828.57	1	4,577.82	1	4,316.13	1	4,054.44	1	3,792.74	1	3,503.14	1	3,145.77	1	2,788.39	1	2,431.02
1/4		1/4	4,825.86	1/4	4,572.37	1/4	4,310.68	1/4	4,048.98	1/4	3,787.29	1/4	3,495.70	1/4	3,138.32	1/4	2,780.95	1/4	2,423.57
1/2		1/2	4,823.14	1/2	4,566.92	1/2	4,305.23	1/2	4,043.53	1/2	3,781.84	1/2	3,488.25	1/2	3,130.88	1/2	2,773.50	1/2	2,416.13
3/4		3/4	4,820.43	3/4	4,561.47	3/4	4,299.77	3/4	4,038.08	3/4	3,776.39	3/4	3,480.81	3/4	3,123.43	3/4	2,766.06	3/4	2,408.68
2		2	4,817.71	2	4,556.02	2	4,294.32	2	4,032.63	2	3,770.93	2	3,473.36	2	3,115.99	2	2,758.61	2	2,401.24
1/4		1/4	4,812.26	1/4	4,550.57	1/4	4,288.87	1/4	4,027.18	1/4	3,765.48	1/4	3,465.92	1/4	3,108.54	1/4	2,751.17	1/4	2,393.79
1/2		1/2	4,806.81	1/2	4,545.11	1/2	4,283.42	1/2	4,021.73	1/2	3,760.03	1/2	3,458.47	1/2	3,101.10	1/2	2,743.72	1/2	2,386.35
3/4		3/4	4,801.36	3/4	4,539.66	3/4	4,277.97	3/4	4,016.27	3/4	3,754.58	3/4	3,451.02	3/4	3,093.65	3/4	2,736.28	3/4	2,378.90
3		3	4,795.90	3	4,534.21	3	4,272.52	3	4,010.82	3	3,749.13	3	3,443.58	3	3,086.20	3	2,728.83	3	2,371.46
1/4		1/4	4,790.45	1/4	4,528.76	1/4	4,267.06	1/4	4,005.37	1/4	3,743.68	1/4	3,436.13	1/4	3,078.76	1/4	2,721.39	1/4	2,364.01
1/2		1/2	4,785.00	1/2	4,523.31	1/2	4,261.61	1/2	3,999.92	1/2	3,738.22	1/2	3,428.69	1/2	3,071.31	1/2	2,713.94	1/2	2,356.57
3/4		3/4	4,779.55	3/4	4,517.85	3/4	4,256.16	3/4	3,994.47	3/4	3,732.77	3/4	3,421.24	3/4	3,063.87	3/4	2,706.49	3/4	2,349.12
4		4	4,774.10	4	4,512.40	4	4,250.71	4	3,989.01	4	3,727.32	4	3,413.80	4	3,056.42	4	2,699.05	4	2,341.67
1/4		1/4	4,768.64	1/4	4,506.95	1/4	4,245.26	1/4	3,983.56	1/4	3,721.87	1/4	3,406.35	1/4	3,048.98	1/4	2,691.60	1/4	2,334.23
1/2		1/2	4,763.19	1/2	4,501.50	1/2	4,239.80	1/2	3,978.11	1/2	3,716.42	1/2	3,398.91	1/2	3,041.53	1/2	2,684.16	1/2	2,326.78
3/4		3/4	4,757.74	3/4	4,496.05	3/4	4,234.35	3/4	3,972.66	3/4	3,710.96	3/4	3,391.46	3/4	3,034.09	3/4	2,676.71	3/4	2,319.34
5		5	4,752.29	5	4,490.59	5	4,228.90	5	3,967.21	5	3,705.51	5	3,384.02	5	3,026.64	5	2,669.27	5	2,311.89
1/4		1/4	4,746.84	1/4	4,485.14	1/4	4,223.45	1/4	3,961.75	1/4	3,700.06	1/4	3,376.57	1/4	3,019.20	1/4	2,661.82	1/4	2,304.45
1/2		1/2	4,741.38	1/2	4,479.69	1/2	4,218.00	1/2	3,956.30	1/2	3,694.61	1/2	3,369.13	1/2	3,011.75	1/2	2,654.38	1/2	2,297.00
3/4		3/4	4,735.93	3/4	4,474.24	3/4	4,212.54	3/4	3,950.85	3/4	3,689.16	3/4	3,361.68	3/4	3,004.31	3/4	2,646.93	3/4	2,289.56
6		6	4,730.48	6	4,468.79	6	4,207.09	6	3,945.40	6	3,683.70	6	3,354.24	6	2,996.86	6	2,639.49	6	2,282.11
1/4		1/4	4,725.03	1/4	4,463.33	1/4	4,201.64	1/4	3,939.95	1/4	3,678.25	1/4	3,346.79	1/4	2,989.42	1/4	2,632.04	1/4	2,274.67
1/2		1/2	4,719.58	1/2	4,457.88	1/2	4,196.19	1/2	3,934.49	1/2	3,672.80	1/2	3,339.35	1/2	2,981.97	1/2	2,624.60	1/2	2,267.22
3/4		3/4	4,714.12	3/4	4,452.43	3/4	4,190.74	3/4	3,929.04	3/4	3,667.35	3/4	3,331.90	3/4	2,974.53	3/4	2,617.15	3/4	2,259.78
7		7	4,708.67	7	4,446.98	7	4,185.28	7	3,923.59	7	3,661.90	7	3,324.45	7	2,967.08	7	2,609.71	7	2,252.33
1/4		1/4	4,703.22	1/4	4,441.53	1/4	4,179.83	1/4	3,918.14	1/4	3,656.44	1/4	3,317.01	1/4	2,959.63	1/4	2,602.26	1/4	2,244.89
1/2		1/2	4,697.77	1/2	4,436.07	1/2	4,174.38	1/2	3,912.69	1/2	3,650.99	1/2	3,309.56	1/2	2,952.19	1/2	2,594.81	1/2	2,237.44
3/4		3/4	4,692.32	3/4	4,430.62	3/4	4,168.93	3/4	3,907.23	3/4	3,645.54	3/4	3,302.12	3/4	2,944.74	3/4	2,587.37	3/4	2,230.00
8		8	4,686.86	8	4,425.17	8	4,163.48	8	3,901.78	8	3,640.09	8	3,294.67	8	2,937.30	8	2,579.92	8	2,222.55
1/4		1/4	4,681.41	1/4	4,419.72	1/4	4,158.02	1/4	3,896.33	1/4	3,634.64	1/4	3,287.23	1/4	2,929.85	1/4	2,572.48	1/4	2,215.10
1/2		1/2	4,675.96	1/2	4,414.27	1/2	4,152.57	1/2	3,890.88	1/2	3,629.18	1/2	3,279.78	1/2	2,922.41	1/2	2,565.03	1/2	2,207.66
3/4		3/4	4,670.51	3/4	4,408.81	3/4	4,147.12	3/4	3,885.43	3/4	3,623.73	3/4	3,272.34	3/4	2,914.96	3/4	2,557.59	3/4	2,200.21
9		9	4,665.06	9	4,403.36	9	4,141.67	9	3,879.97	9	3,618.28	9	3,264.89	9	2,907.52	9	2,550.14	9	2,192.77
1/4		1/4	4,659.60	1/4	4,397.91	1/4	4,136.22	1/4	3,874.52	1/4	3,612.83	1/4	3,257.45	1/4	2,900.07	1/4	2,542.70	1/4	2,185.32
1/2		1/2	4,654.15	1/2	4,392.46	1/2	4,130.76	1/2	3,869.07	1/2	3,607.38	1/2	3,250.00	1/2	2,892.63	1/2	2,535.25	1/2	2,177.88
3/4		3/4	4,648.70	3/4	4,387.01	3/4	4,125.31	3/4	3,863.62	3/4	3,599.93	3/4	3,242.56	3/4	2,885.18	3/4	2,527.81	3/4	2,170.43
10		10	4,643.25	10	4,381.55	10	4,119.86	10	3,858.17	10	3,592.49	10	3,235.11	10	2,877.74	10	2,520.36	10	2,162.99
1/4		1/4	4,637.80	1/4	4,376.10	1/4	4,114.41	1/4	3,852.71	1/4	3,585.04	1/4	3,227.67	1/4	2,870.29	1/4	2,512.92	1/4	2,155.54
1/2		1/2	4,632.34	1/2	4,370.65	1/2	4,108.96	1/2	3,847.26	1/2	3,577.60	1/2	3,220.22	1/2	2,862.85	1/2	2,505.47	1/2	2,148.10
3/4		3/4	4,626.89	3/4	4,365.20	3/4	4,103.50	3/4	3,841.81	3/4	3,570.15	3/4	3,212.78	3/4	2,855.40	3/4	2,498.03	3/4	2,140.65
11	4,839.35	11	4,621.44	11	4,359.75	11	4,098.05	11	3,836.36	11	3,562.70	11	3,205.33	11	2,847.96	11	2,490.58	11	2,133.21
1/4	4,838.46	1/4	4,615.99	1/4	4,354.29	1/4	4,092.60	1/4	3,830.91	1/4	3,555.26	1/4	3,197.88	1/4	2,840.51	1/4	2,483.14	1/4	2,125.76
1/2	4,837.57	1/2	4,610.54	1/2	4,348.84	1/2	4,087.15	1/2	3,825.45	1/2	3,547.81	1/2	3,190.44	1/2	2,833.06	1/2	2,475.69	1/2	2,118.32
3/4	4,836.67	3/4	4,605.08	3/4	4,343.39	3/4	4,081.70	3/4	3,820.00	3/4	3,540.37	3/4	3,182.99	3/4	2,825.62	3/4	2,468.24	3/4	2,110.87

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES OBTAINED WITH "MMC" GAUGE DEVICE.
 NOTE: GAUGE POINT LOCATED 11'- 4" OFF CENTERLINE AND 38' 6" FORWARD OF AFT. BULKHEAD.
 NOTE: NO TRIM CORRECTION REQUIRED DUE TO GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK.
 NOTE: CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 NOTE: CAPACITY TABLE REFLECTS BOTTOM DEADRISE.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 1/14/04 BY: BB/JF
 DATE COMPUTED: 2/12/04 BY: WHF
 DATE ISSUED: 2/13/04

INTERTEK - CALEB BRETT



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16' 10-1/2"

IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.	IN	20 FT.
0	2,103.42	0	1,746.05	0	1,388.68	0	1,031.30	0	673.93	0	316.55	0		0		0		0	
1/4	2,095.98	1/4	1,738.61	1/4	1,381.23	1/4	1,023.86	1/4	666.48	1/4	309.11	1/4		1/4		1/4		1/4	
1/2	2,088.53	1/2	1,731.16	1/2	1,373.79	1/2	1,016.41	1/2	659.04	1/2	301.66	1/2		1/2		1/2		1/2	
3/4	2,081.09	3/4	1,723.71	3/4	1,366.34	3/4	1,008.97	3/4	651.59	3/4	294.22	3/4		3/4		3/4		3/4	
1	2,073.64	1	1,716.27	1	1,358.89	1	1,001.52	1	644.15	1	286.77	1		1		1		1	
1/4	2,066.20	1/4	1,708.82	1/4	1,351.45	1/4	994.07	1/4	636.70	1/4	279.33	1/4		1/4		1/4		1/4	
1/2	2,058.75	1/2	1,701.38	1/2	1,344.00	1/2	986.63	1/2	629.25	1/2	271.88	1/2		1/2		1/2		1/2	
3/4	2,051.31	3/4	1,693.93	3/4	1,336.56	3/4	979.18	3/4	621.81	3/4	264.44	3/4		3/4		3/4		3/4	
2	2,043.86	2	1,686.49	2	1,329.11	2	971.74	2	614.36	2	256.99	2		2		2		2	
1/4	2,036.42	1/4	1,679.04	1/4	1,321.67	1/4	964.29	1/4	606.92	1/4	249.54	1/4		1/4		1/4		1/4	
1/2	2,028.97	1/2	1,671.60	1/2	1,314.22	1/2	956.85	1/2	599.47	1/2	242.10	1/2		1/2		1/2		1/2	
3/4	2,021.53	3/4	1,664.15	3/4	1,306.78	3/4	949.40	3/4	592.03	3/4	234.65	3/4		3/4		3/4		3/4	
3	2,014.08	3	1,656.71	3	1,299.33	3	941.96	3	584.58	3	227.21	3		3		3		3	
1/4	2,006.64	1/4	1,649.26	1/4	1,291.89	1/4	934.51	1/4	577.14	1/4	219.76	1/4		1/4		1/4		1/4	
1/2	1,999.19	1/2	1,641.82	1/2	1,284.44	1/2	927.07	1/2	569.69	1/2	212.32	1/2		1/2		1/2		1/2	
3/4	1,991.75	3/4	1,634.37	3/4	1,277.00	3/4	919.62	3/4	562.25	3/4	204.87	3/4		3/4		3/4		3/4	
4	1,984.30	4	1,626.93	4	1,269.55	4	912.18	4	554.80	4	197.43	4		4		4		4	
1/4	1,976.85	1/4	1,619.48	1/4	1,262.11	1/4	904.73	1/4	547.36	1/4	189.98	1/4		1/4		1/4		1/4	
1/2	1,969.41	1/2	1,612.03	1/2	1,254.66	1/2	897.29	1/2	539.91	1/2	182.54	1/2		1/2		1/2		1/2	
3/4	1,961.96	3/4	1,604.59	3/4	1,247.22	3/4	889.84	3/4	532.47	3/4	175.09	3/4		3/4		3/4		3/4	
5	1,954.52	5	1,597.14	5	1,239.77	5	882.40	5	525.02	5	167.65	5		5		5		5	
1/4	1,947.07	1/4	1,589.70	1/4	1,232.32	1/4	874.95	1/4	517.58	1/4	160.20	1/4		1/4		1/4		1/4	
1/2	1,939.63	1/2	1,582.25	1/2	1,224.88	1/2	867.50	1/2	510.13	1/2	152.76	1/2		1/2		1/2		1/2	
3/4	1,932.18	3/4	1,574.81	3/4	1,217.43	3/4	860.06	3/4	502.68	3/4	145.31	3/4		3/4		3/4		3/4	
6	1,924.74	6	1,567.36	6	1,209.99	6	852.61	6	495.24	6	137.86	6		6		6		6	
1/4	1,917.29	1/4	1,559.92	1/4	1,202.54	1/4	845.17	1/4	487.79	1/4	130.42	1/4		1/4		1/4		1/4	
1/2	1,909.85	1/2	1,552.47	1/2	1,195.10	1/2	837.72	1/2	480.35	1/2	122.97	1/2		1/2		1/2		1/2	
3/4	1,902.40	3/4	1,545.03	3/4	1,187.65	3/4	830.28	3/4	472.90	3/4	115.53	3/4		3/4		3/4		3/4	
7	1,894.96	7	1,537.58	7	1,180.21	7	822.83	7	465.46	7	108.08	7		7		7		7	
1/4	1,887.51	1/4	1,530.14	1/4	1,172.76	1/4	815.39	1/4	458.01	1/4	100.64	1/4		1/4		1/4		1/4	
1/2	1,880.07	1/2	1,522.69	1/2	1,165.32	1/2	807.94	1/2	450.57	1/2	93.19	1/2		1/2		1/2		1/2	
3/4	1,872.62	3/4	1,515.25	3/4	1,157.87	3/4	800.50	3/4	443.12	3/4	85.75	3/4		3/4		3/4		3/4	
8	1,865.18	8	1,507.80	8	1,150.43	8	793.05	8	435.68	8	78.30	8		8		8		8	
1/4	1,857.73	1/4	1,500.36	1/4	1,142.98	1/4	785.61	1/4	428.23	1/4	70.86	1/4		1/4		1/4		1/4	
1/2	1,850.28	1/2	1,492.91	1/2	1,135.54	1/2	778.16	1/2	420.79	1/2	63.41	1/2		1/2		1/2		1/2	
3/4	1,842.84	3/4	1,485.46	3/4	1,128.09	3/4	770.72	3/4	413.34	3/4	56.90	3/4		3/4		3/4		3/4	
9	1,835.39	9	1,478.02	9	1,120.64	9	763.27	9	405.90	9	50.39	9		9		9		9	
1/4	1,827.95	1/4	1,470.57	1/4	1,113.20	1/4	755.83	1/4	398.45	1/4	43.88	1/4		1/4		1/4		1/4	
1/2	1,820.50	1/2	1,463.13	1/2	1,105.75	1/2	748.38	1/2	391.01	1/2	37.36	1/2		1/2		1/2		1/2	
3/4	1,813.06	3/4	1,455.68	3/4	1,098.31	3/4	740.93	3/4	383.56	3/4	32.72	3/4		3/4		3/4		3/4	
10	1,805.61	10	1,448.24	10	1,090.86	10	733.49	10	376.11	10	28.07	10		10		10		10	
1/4	1,798.17	1/4	1,440.79	1/4	1,083.42	1/4	726.04	1/4	368.67	1/4	23.43	1/4		1/4		1/4		1/4	
1/2	1,790.72	1/2	1,433.35	1/2	1,075.97	1/2	718.60	1/2	361.22	1/2	18.78	1/2		1/2		1/2		1/2	
3/4	1,783.28	3/4	1,425.90	3/4	1,068.53	3/4	711.15	3/4	353.78	3/4		3/4		3/4		3/4		3/4	
11	1,775.83	11	1,418.46	11	1,061.08	11	703.71	11	346.33	11		11		11		11		11	
1/4	1,768.39	1/4	1,411.01	1/4	1,053.64	1/4	696.26	1/4	338.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.94	1/2	1,403.57	1/2	1,046.19	1/2	688.82	1/2	331.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,753.50	3/4	1,396.12	3/4	1,038.75	3/4	681.37	3/4	324.00	3/4		3/4		3/4		3/4		3/4	

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

INTERTEK - CALEB BRETT



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16' 10-1/2"

IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0		0	4,835.78	0	4,599.63	0	4,337.94	0	4,076.24	0	3,814.55	0	3,532.92	0	3,175.55	0	2,818.17	0	2,460.80
1/4		1/4	4,833.98	1/4	4,594.18	1/4	4,332.49	1/4	4,070.79	1/4	3,809.10	1/4	3,525.48	1/4	3,168.10	1/4	2,810.73	1/4	2,453.35
1/2		1/2	4,832.18	1/2	4,588.73	1/2	4,327.03	1/2	4,065.34	1/2	3,803.65	1/2	3,518.03	1/2	3,160.66	1/2	2,803.28	1/2	2,445.91
3/4		3/4	4,830.37	3/4	4,583.28	3/4	4,321.58	3/4	4,059.89	3/4	3,798.19	3/4	3,510.59	3/4	3,153.21	3/4	2,795.84	3/4	2,438.46
1		1	4,828.57	1	4,577.82	1	4,316.13	1	4,054.44	1	3,792.74	1	3,503.14	1	3,145.77	1	2,788.39	1	2,431.02
1/4		1/4	4,825.86	1/4	4,572.37	1/4	4,310.68	1/4	4,048.98	1/4	3,787.29	1/4	3,495.70	1/4	3,138.32	1/4	2,780.95	1/4	2,423.57
1/2		1/2	4,823.14	1/2	4,566.92	1/2	4,305.23	1/2	4,043.53	1/2	3,781.84	1/2	3,488.25	1/2	3,130.88	1/2	2,773.50	1/2	2,416.13
3/4		3/4	4,820.43	3/4	4,561.47	3/4	4,299.77	3/4	4,038.08	3/4	3,776.39	3/4	3,480.81	3/4	3,123.43	3/4	2,766.06	3/4	2,408.68
2		2	4,817.71	2	4,556.02	2	4,294.32	2	4,032.63	2	3,770.93	2	3,473.36	2	3,115.99	2	2,758.61	2	2,401.24
1/4		1/4	4,812.26	1/4	4,550.57	1/4	4,288.87	1/4	4,027.18	1/4	3,765.48	1/4	3,465.92	1/4	3,108.54	1/4	2,751.17	1/4	2,393.79
1/2		1/2	4,806.81	1/2	4,545.11	1/2	4,283.42	1/2	4,021.73	1/2	3,760.03	1/2	3,458.47	1/2	3,101.10	1/2	2,743.72	1/2	2,386.35
3/4		3/4	4,801.36	3/4	4,539.66	3/4	4,277.97	3/4	4,016.27	3/4	3,754.58	3/4	3,451.02	3/4	3,093.65	3/4	2,736.28	3/4	2,378.90
3		3	4,795.90	3	4,534.21	3	4,272.52	3	4,010.82	3	3,749.13	3	3,443.58	3	3,086.20	3	2,728.83	3	2,371.46
1/4		1/4	4,790.45	1/4	4,528.76	1/4	4,267.06	1/4	4,005.37	1/4	3,743.68	1/4	3,436.13	1/4	3,078.76	1/4	2,721.39	1/4	2,364.01
1/2		1/2	4,785.00	1/2	4,523.31	1/2	4,261.61	1/2	3,999.92	1/2	3,738.22	1/2	3,428.69	1/2	3,071.31	1/2	2,713.94	1/2	2,356.57
3/4		3/4	4,779.55	3/4	4,517.85	3/4	4,256.16	3/4	3,994.47	3/4	3,732.77	3/4	3,421.24	3/4	3,063.87	3/4	2,706.49	3/4	2,349.12
4		4	4,774.10	4	4,512.40	4	4,250.71	4	3,989.01	4	3,727.32	4	3,413.80	4	3,056.42	4	2,699.05	4	2,341.67
1/4		1/4	4,768.64	1/4	4,506.95	1/4	4,245.26	1/4	3,983.56	1/4	3,721.87	1/4	3,406.35	1/4	3,048.98	1/4	2,691.60	1/4	2,334.23
1/2		1/2	4,763.19	1/2	4,501.50	1/2	4,239.80	1/2	3,978.11	1/2	3,716.42	1/2	3,398.91	1/2	3,041.53	1/2	2,684.16	1/2	2,326.78
3/4		3/4	4,757.74	3/4	4,496.05	3/4	4,234.35	3/4	3,972.66	3/4	3,710.96	3/4	3,391.46	3/4	3,034.09	3/4	2,676.71	3/4	2,319.34
5		5	4,752.29	5	4,490.59	5	4,228.90	5	3,967.21	5	3,705.51	5	3,384.02	5	3,026.64	5	2,669.27	5	2,311.89
1/4		1/4	4,746.84	1/4	4,485.14	1/4	4,223.45	1/4	3,961.75	1/4	3,700.06	1/4	3,376.57	1/4	3,019.20	1/4	2,661.82	1/4	2,304.45
1/2		1/2	4,741.38	1/2	4,479.69	1/2	4,218.00	1/2	3,956.30	1/2	3,694.61	1/2	3,369.13	1/2	3,011.75	1/2	2,654.38	1/2	2,297.00
3/4		3/4	4,735.93	3/4	4,474.24	3/4	4,212.54	3/4	3,950.85	3/4	3,689.16	3/4	3,361.68	3/4	3,004.31	3/4	2,646.93	3/4	2,289.56
6		6	4,730.48	6	4,468.79	6	4,207.09	6	3,945.40	6	3,683.70	6	3,354.24	6	2,996.86	6	2,639.49	6	2,282.11
1/4		1/4	4,725.03	1/4	4,463.33	1/4	4,201.64	1/4	3,939.95	1/4	3,678.25	1/4	3,346.79	1/4	2,989.42	1/4	2,632.04	1/4	2,274.67
1/2		1/2	4,719.58	1/2	4,457.88	1/2	4,196.19	1/2	3,934.49	1/2	3,672.80	1/2	3,339.35	1/2	2,981.97	1/2	2,624.60	1/2	2,267.22
3/4		3/4	4,714.12	3/4	4,452.43	3/4	4,190.74	3/4	3,929.04	3/4	3,667.35	3/4	3,331.90	3/4	2,974.53	3/4	2,617.15	3/4	2,259.78
7		7	4,708.67	7	4,446.98	7	4,185.28	7	3,923.59	7	3,661.90	7	3,324.45	7	2,967.08	7	2,609.71	7	2,252.33
1/4		1/4	4,703.22	1/4	4,441.53	1/4	4,179.83	1/4	3,918.14	1/4	3,656.44	1/4	3,317.01	1/4	2,959.63	1/4	2,602.26	1/4	2,244.89
1/2		1/2	4,697.77	1/2	4,436.07	1/2	4,174.38	1/2	3,912.69	1/2	3,650.99	1/2	3,309.56	1/2	2,952.19	1/2	2,594.81	1/2	2,237.44
3/4		3/4	4,692.32	3/4	4,430.62	3/4	4,168.93	3/4	3,907.23	3/4	3,645.54	3/4	3,302.12	3/4	2,944.74	3/4	2,587.37	3/4	2,230.00
8		8	4,686.86	8	4,425.17	8	4,163.48	8	3,901.78	8	3,640.09	8	3,294.67	8	2,937.30	8	2,579.92	8	2,222.55
1/4		1/4	4,681.41	1/4	4,419.72	1/4	4,158.02	1/4	3,896.33	1/4	3,634.64	1/4	3,287.23	1/4	2,929.85	1/4	2,572.48	1/4	2,215.10
1/2		1/2	4,675.96	1/2	4,414.27	1/2	4,152.57	1/2	3,890.88	1/2	3,629.18	1/2	3,279.78	1/2	2,922.41	1/2	2,565.03	1/2	2,207.66
3/4		3/4	4,670.51	3/4	4,408.81	3/4	4,147.12	3/4	3,885.43	3/4	3,623.73	3/4	3,272.34	3/4	2,914.96	3/4	2,557.59	3/4	2,200.21
9		9	4,665.06	9	4,403.36	9	4,141.67	9	3,879.97	9	3,618.28	9	3,264.89	9	2,907.52	9	2,550.14	9	2,192.77
1/4		1/4	4,659.60	1/4	4,397.91	1/4	4,136.22	1/4	3,874.52	1/4	3,612.83	1/4	3,257.45	1/4	2,900.07	1/4	2,542.70	1/4	2,185.32
1/2		1/2	4,654.15	1/2	4,392.46	1/2	4,130.76	1/2	3,869.07	1/2	3,607.38	1/2	3,250.00	1/2	2,892.63	1/2	2,535.25	1/2	2,177.88
3/4		3/4	4,648.70	3/4	4,387.01	3/4	4,125.31	3/4	3,863.62	3/4	3,599.93	3/4	3,242.56	3/4	2,885.18	3/4	2,527.81	3/4	2,170.43
10		10	4,643.25	10	4,381.55	10	4,119.86	10	3,858.17	10	3,592.49	10	3,235.11	10	2,877.74	10	2,520.36	10	2,162.99
1/4		1/4	4,637.80	1/4	4,376.10	1/4	4,114.41	1/4	3,852.71	1/4	3,585.04	1/4	3,227.67	1/4	2,870.29	1/4	2,512.92	1/4	2,155.54
1/2		1/2	4,632.34	1/2	4,370.65	1/2	4,108.96	1/2	3,847.26	1/2	3,577.60	1/2	3,220.22	1/2	2,862.85	1/2	2,505.47	1/2	2,148.10
3/4		3/4	4,626.89	3/4	4,365.20	3/4	4,103.50	3/4	3,841.81	3/4	3,570.15	3/4	3,212.78	3/4	2,855.40	3/4	2,498.03	3/4	2,140.65
11	4,839.35	11	4,621.44	11	4,359.75	11	4,098.05	11	3,836.36	11	3,562.70	11	3,205.33	11	2,847.96	11	2,490.58	11	2,133.21
1/4	4,838.46	1/4	4,615.99	1/4	4,354.29	1/4	4,092.60	1/4	3,830.91	1/4	3,555.26	1/4	3,197.88	1/4	2,840.51	1/4	2,483.14	1/4	2,125.76
1/2	4,837.57	1/2	4,610.54	1/2	4,348.84	1/2	4,087.15	1/2	3,825.45	1/2	3,547.81	1/2	3,190.44	1/2	2,833.06	1/2	2,475.69	1/2	2,118.32
3/4	4,836.67	3/4	4,605.08	3/4	4,343.39	3/4	4,081.70	3/4	3,820.00	3/4	3,540.37	3/4	3,182.99	3/4	2,825.62	3/4	2,468.24	3/4	2,110.87

NOTE: BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 NOTE: CAPACITY TABLE APPLIES ONLY TO ULLAGE GAUGES OBTAINED WITH "MMC" GAUGE DEVICE.
 NOTE: GAUGE POINT LOCATED 11'- 3" OFF CENTERLINE AND 38' 6" FORWARD OF AFT. BULKHEAD.
 NOTE: NO TRIM CORRECTION REQUIRED DUE TO GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK.
 NOTE: CAPACITY TABLE EXTENDS TO UNDERSIDE OF DECK AT GAUGE POINT.
 NOTE: CAPACITY TABLE REFLECTS BOTTOM DEADRISE.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

DATE STRAPPED: 1/14/04 BY: BB/JF
 DATE COMPUTED: 2/12/04 BY: WHF
 DATE ISSUED: 2/13/04

INTERTEK - CALEB BRETT



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FOR GAUGING WITH MMC GAUGE TAPE ONLY

MMC GAUGE HEIGHT 16'- 11 1/2"

IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.	IN	20 FT.
0	2,103.42	0	1,746.05	0	1,388.68	0	1,031.30	0	673.93	0	316.55	0		0		0		0	
1/4	2,095.98	1/4	1,738.61	1/4	1,381.23	1/4	1,023.86	1/4	666.48	1/4	309.11	1/4		1/4		1/4		1/4	
1/2	2,088.53	1/2	1,731.16	1/2	1,373.79	1/2	1,016.41	1/2	659.04	1/2	301.66	1/2		1/2		1/2		1/2	
3/4	2,081.09	3/4	1,723.71	3/4	1,366.34	3/4	1,008.97	3/4	651.59	3/4	294.22	3/4		3/4		3/4		3/4	
1	2,073.64	1	1,716.27	1	1,358.89	1	1,001.52	1	644.15	1	286.77	1		1		1		1	
1/4	2,066.20	1/4	1,708.82	1/4	1,351.45	1/4	994.07	1/4	636.70	1/4	279.33	1/4		1/4		1/4		1/4	
1/2	2,058.75	1/2	1,701.38	1/2	1,344.00	1/2	986.63	1/2	629.25	1/2	271.88	1/2		1/2		1/2		1/2	
3/4	2,051.31	3/4	1,693.93	3/4	1,336.56	3/4	979.18	3/4	621.81	3/4	264.44	3/4		3/4		3/4		3/4	
2	2,043.86	2	1,686.49	2	1,329.11	2	971.74	2	614.36	2	256.99	2		2		2		2	
1/4	2,036.42	1/4	1,679.04	1/4	1,321.67	1/4	964.29	1/4	606.92	1/4	249.54	1/4		1/4		1/4		1/4	
1/2	2,028.97	1/2	1,671.60	1/2	1,314.22	1/2	956.85	1/2	599.47	1/2	242.10	1/2		1/2		1/2		1/2	
3/4	2,021.53	3/4	1,664.15	3/4	1,306.78	3/4	949.40	3/4	592.03	3/4	234.65	3/4		3/4		3/4		3/4	
3	2,014.08	3	1,656.71	3	1,299.33	3	941.96	3	584.58	3	227.21	3		3		3		3	
1/4	2,006.64	1/4	1,649.26	1/4	1,291.89	1/4	934.51	1/4	577.14	1/4	219.76	1/4		1/4		1/4		1/4	
1/2	1,999.19	1/2	1,641.82	1/2	1,284.44	1/2	927.07	1/2	569.69	1/2	212.32	1/2		1/2		1/2		1/2	
3/4	1,991.75	3/4	1,634.37	3/4	1,277.00	3/4	919.62	3/4	562.25	3/4	204.87	3/4		3/4		3/4		3/4	
4	1,984.30	4	1,626.93	4	1,269.55	4	912.18	4	554.80	4	197.43	4		4		4		4	
1/4	1,976.85	1/4	1,619.48	1/4	1,262.11	1/4	904.73	1/4	547.36	1/4	189.98	1/4		1/4		1/4		1/4	
1/2	1,969.41	1/2	1,612.03	1/2	1,254.66	1/2	897.29	1/2	539.91	1/2	182.54	1/2		1/2		1/2		1/2	
3/4	1,961.96	3/4	1,604.59	3/4	1,247.22	3/4	889.84	3/4	532.47	3/4	175.09	3/4		3/4		3/4		3/4	
5	1,954.52	5	1,597.14	5	1,239.77	5	882.40	5	525.02	5	167.65	5		5		5		5	
1/4	1,947.07	1/4	1,589.70	1/4	1,232.32	1/4	874.95	1/4	517.58	1/4	160.20	1/4		1/4		1/4		1/4	
1/2	1,939.63	1/2	1,582.25	1/2	1,224.88	1/2	867.50	1/2	510.13	1/2	152.76	1/2		1/2		1/2		1/2	
3/4	1,932.18	3/4	1,574.81	3/4	1,217.43	3/4	860.06	3/4	502.68	3/4	145.31	3/4		3/4		3/4		3/4	
6	1,924.74	6	1,567.36	6	1,209.99	6	852.61	6	495.24	6	137.86	6		6		6		6	
1/4	1,917.29	1/4	1,559.92	1/4	1,202.54	1/4	845.17	1/4	487.79	1/4	130.42	1/4		1/4		1/4		1/4	
1/2	1,909.85	1/2	1,552.47	1/2	1,195.10	1/2	837.72	1/2	480.35	1/2	122.97	1/2		1/2		1/2		1/2	
3/4	1,902.40	3/4	1,545.03	3/4	1,187.65	3/4	830.28	3/4	472.90	3/4	115.53	3/4		3/4		3/4		3/4	
7	1,894.96	7	1,537.58	7	1,180.21	7	822.83	7	465.46	7	108.08	7		7		7		7	
1/4	1,887.51	1/4	1,530.14	1/4	1,172.76	1/4	815.39	1/4	458.01	1/4	100.64	1/4		1/4		1/4		1/4	
1/2	1,880.07	1/2	1,522.69	1/2	1,165.32	1/2	807.94	1/2	450.57	1/2	93.19	1/2		1/2		1/2		1/2	
3/4	1,872.62	3/4	1,515.25	3/4	1,157.87	3/4	800.50	3/4	443.12	3/4	85.75	3/4		3/4		3/4		3/4	
8	1,865.18	8	1,507.80	8	1,150.43	8	793.05	8	435.68	8	78.30	8		8		8		8	
1/4	1,857.73	1/4	1,500.36	1/4	1,142.98	1/4	785.61	1/4	428.23	1/4	70.86	1/4		1/4		1/4		1/4	
1/2	1,850.28	1/2	1,492.91	1/2	1,135.54	1/2	778.16	1/2	420.79	1/2	63.41	1/2		1/2		1/2		1/2	
3/4	1,842.84	3/4	1,485.46	3/4	1,128.09	3/4	770.72	3/4	413.34	3/4	56.90	3/4		3/4		3/4		3/4	
9	1,835.39	9	1,478.02	9	1,120.64	9	763.27	9	405.90	9	50.39	9		9		9		9	
1/4	1,827.95	1/4	1,470.57	1/4	1,113.20	1/4	755.83	1/4	398.45	1/4	43.88	1/4		1/4		1/4		1/4	
1/2	1,820.50	1/2	1,463.13	1/2	1,105.75	1/2	748.38	1/2	391.01	1/2	37.36	1/2		1/2		1/2		1/2	
3/4	1,813.06	3/4	1,455.68	3/4	1,098.31	3/4	740.93	3/4	383.56	3/4	32.72	3/4		3/4		3/4		3/4	
10	1,805.61	10	1,448.24	10	1,090.86	10	733.49	10	376.11	10	28.07	10		10		10		10	
1/4	1,798.17	1/4	1,440.79	1/4	1,083.42	1/4	726.04	1/4	368.67	1/4	23.43	1/4		1/4		1/4		1/4	
1/2	1,790.72	1/2	1,433.35	1/2	1,075.97	1/2	718.60	1/2	361.22	1/2	18.78	1/2		1/2		1/2		1/2	
3/4	1,783.28	3/4	1,425.90	3/4	1,068.53	3/4	711.15	3/4	353.78	3/4		3/4		3/4		3/4		3/4	
11	1,775.83	11	1,418.46	11	1,061.08	11	703.71	11	346.33	11		11		11		11		11	
1/4	1,768.39	1/4	1,411.01	1/4	1,053.64	1/4	696.26	1/4	338.89	1/4		1/4		1/4		1/4		1/4	
1/2	1,760.94	1/2	1,403.57	1/2	1,046.19	1/2	688.82	1/2	331.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,753.50	3/4	1,396.12	3/4	1,038.75	3/4	681.37	3/4	324.00	3/4		3/4		3/4		3/4		3/4	

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INTERTEK - CALEB BRETT

