



BARGE "KIRBY 11402"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1020

GAUGE HEIGHT 16'-01 1/2"

IN	0 FT.	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.
0	0.99	0	256.98	0	530.67	0	803.73	0	1,077.33	0	1,351.06	0	1,624.78	0	1,898.50	0	2,172.21	0	2,445.92
1/4	3.13	1/4	262.68	1/4	536.37	1/4	809.41	1/4	1,083.03	1/4	1,356.76	1/4	1,630.48	1/4	1,904.20	1/4	2,177.91	1/4	2,451.62
1/2	5.27	1/2	268.39	1/2	542.07	1/2	815.10	1/2	1,088.74	1/2	1,362.47	1/2	1,636.19	1/2	1,909.91	1/2	2,183.62	1/2	2,457.33
3/4	7.40	3/4	274.09	3/4	547.77	3/4	820.78	3/4	1,094.44	3/4	1,368.17	3/4	1,641.89	3/4	1,915.61	3/4	2,189.32	3/4	2,463.03
1	9.54	1	279.79	1	553.47	1	826.46	1	1,100.14	1	1,373.87	1	1,647.59	1	1,921.31	1	2,195.02	1	2,468.73
1/4	14.38	1/4	285.49	1/4	559.17	1/4	832.15	1/4	1,105.84	1/4	1,379.57	1/4	1,653.29	1/4	1,927.01	1/4	2,200.72	1/4	2,474.43
1/2	19.23	1/2	291.19	1/2	564.87	1/2	837.85	1/2	1,111.55	1/2	1,385.28	1/2	1,659.00	1/2	1,932.72	1/2	2,206.43	1/2	2,480.13
3/4	24.07	3/4	296.89	3/4	570.57	3/4	843.54	3/4	1,117.25	3/4	1,390.98	3/4	1,664.70	3/4	1,938.42	3/4	2,212.13	3/4	2,485.83
2	28.91	2	302.59	2	576.27	2	849.23	2	1,122.95	2	1,396.68	2	1,670.40	2	1,944.12	2	2,217.83	2	2,491.53
1/4	34.61	1/4	308.29	1/4	581.97	1/4	854.93	1/4	1,128.65	1/4	1,402.38	1/4	1,676.10	1/4	1,949.82	1/4	2,223.53	1/4	2,497.23
1/2	40.31	1/2	314.00	1/2	587.67	1/2	860.64	1/2	1,134.36	1/2	1,408.09	1/2	1,681.81	1/2	1,955.53	1/2	2,229.24	1/2	2,502.94
3/4	46.01	3/4	319.70	3/4	593.38	3/4	866.34	3/4	1,140.06	3/4	1,413.79	3/4	1,687.51	3/4	1,961.23	3/4	2,234.94	3/4	2,508.64
3	51.71	3	325.40	3	599.08	3	872.04	3	1,145.76	3	1,419.49	3	1,693.21	3	1,966.93	3	2,240.64	3	2,514.34
1/4	57.41	1/4	331.10	1/4	604.78	1/4	877.74	1/4	1,151.46	1/4	1,425.19	1/4	1,698.91	1/4	1,972.63	1/4	2,246.34	1/4	2,520.04
1/2	63.12	1/2	336.81	1/2	610.48	1/2	883.44	1/2	1,157.17	1/2	1,430.90	1/2	1,704.62	1/2	1,978.34	1/2	2,252.05	1/2	2,525.75
3/4	68.82	3/4	342.51	3/4	616.18	3/4	889.15	3/4	1,162.87	3/4	1,436.60	3/4	1,710.32	3/4	1,984.04	3/4	2,257.75	3/4	2,531.45
4	74.52	4	348.21	4	621.88	4	894.85	4	1,168.57	4	1,442.30	4	1,716.02	4	1,989.74	4	2,263.45	4	2,537.15
1/4	80.22	1/4	353.91	1/4	627.56	1/4	900.55	1/4	1,174.27	1/4	1,448.00	1/4	1,721.72	1/4	1,995.44	1/4	2,269.15	1/4	2,542.85
1/2	85.93	1/2	359.61	1/2	633.25	1/2	906.25	1/2	1,179.98	1/2	1,453.71	1/2	1,727.43	1/2	2,001.15	1/2	2,274.86	1/2	2,548.56
3/4	91.63	3/4	365.32	3/4	638.93	3/4	911.96	3/4	1,185.68	3/4	1,459.41	3/4	1,733.13	3/4	2,006.85	3/4	2,280.56	3/4	2,554.26
5	97.33	5	371.02	5	644.61	5	917.66	5	1,191.38	5	1,465.11	5	1,738.83	5	2,012.55	5	2,286.26	5	2,559.96
1/4	103.03	1/4	376.72	1/4	650.29	1/4	923.36	1/4	1,197.09	1/4	1,470.81	1/4	1,744.53	1/4	2,018.25	1/4	2,291.96	1/4	2,565.66
1/2	108.74	1/2	382.42	1/2	655.98	1/2	929.06	1/2	1,202.79	1/2	1,476.52	1/2	1,750.24	1/2	2,023.96	1/2	2,297.67	1/2	2,571.36
3/4	114.44	3/4	388.12	3/4	661.66	3/4	934.77	3/4	1,208.50	3/4	1,482.22	3/4	1,755.94	3/4	2,029.66	3/4	2,303.37	3/4	2,577.06
6	120.14	6	393.82	6	667.34	6	940.47	6	1,214.20	6	1,487.92	6	1,761.64	6	2,035.36	6	2,309.07	6	2,582.76
1/4	125.84	1/4	399.52	1/4	673.02	1/4	946.17	1/4	1,219.90	1/4	1,493.62	1/4	1,767.34	1/4	2,041.06	1/4	2,314.77	1/4	2,588.46
1/2	131.54	1/2	405.22	1/2	678.71	1/2	951.87	1/2	1,225.61	1/2	1,499.33	1/2	1,773.05	1/2	2,046.77	1/2	2,320.48	1/2	2,594.17
3/4	137.24	3/4	410.93	3/4	684.39	3/4	957.58	3/4	1,231.31	3/4	1,505.03	3/4	1,778.75	3/4	2,052.47	3/4	2,326.18	3/4	2,599.87
7	142.94	7	416.63	7	690.07	7	963.28	7	1,237.01	7	1,510.73	7	1,784.45	7	2,058.17	7	2,331.88	7	2,605.57
1/4	148.64	1/4	422.33	1/4	695.75	1/4	968.98	1/4	1,242.71	1/4	1,516.43	1/4	1,790.15	1/4	2,063.87	1/4	2,337.58	1/4	2,611.27
1/2	154.35	1/2	428.03	1/2	701.44	1/2	974.68	1/2	1,248.42	1/2	1,522.14	1/2	1,795.86	1/2	2,069.58	1/2	2,343.29	1/2	2,616.98
3/4	160.05	3/4	433.74	3/4	707.12	3/4	980.39	3/4	1,254.12	3/4	1,527.84	3/4	1,801.56	3/4	2,075.28	3/4	2,348.99	3/4	2,622.68
8	165.75	8	439.44	8	712.80	8	986.09	8	1,259.82	8	1,533.54	8	1,807.26	8	2,080.98	8	2,354.69	8	2,628.38
1/4	171.45	1/4	445.14	1/4	718.48	1/4	991.79	1/4	1,265.52	1/4	1,539.24	1/4	1,812.96	1/4	2,086.68	1/4	2,360.39	1/4	2,634.08
1/2	177.16	1/2	450.84	1/2	724.17	1/2	997.49	1/2	1,271.23	1/2	1,544.95	1/2	1,818.67	1/2	2,092.39	1/2	2,366.10	1/2	2,639.78
3/4	182.86	3/4	456.55	3/4	729.85	3/4	1,003.20	3/4	1,276.93	3/4	1,550.65	3/4	1,824.37	3/4	2,098.09	3/4	2,371.80	3/4	2,645.48
9	188.56	9	462.25	9	735.53	9	1,008.90	9	1,282.63	9	1,556.35	9	1,830.07	9	2,103.79	9	2,377.50	9	2,651.18
1/4	194.26	1/4	467.95	1/4	741.21	1/4	1,014.60	1/4	1,288.33	1/4	1,562.05	1/4	1,835.77	1/4	2,109.49	1/4	2,383.20	1/4	2,656.88
1/2	199.97	1/2	473.65	1/2	746.90	1/2	1,020.31	1/2	1,294.04	1/2	1,567.76	1/2	1,841.48	1/2	2,115.19	1/2	2,388.91	1/2	2,662.59
3/4	205.67	3/4	479.35	3/4	752.58	3/4	1,026.01	3/4	1,299.74	3/4	1,573.46	3/4	1,847.18	3/4	2,120.89	3/4	2,394.61	3/4	2,668.29
10	211.37	10	485.05	10	758.26	10	1,031.71	10	1,305.44	10	1,579.16	10	1,852.88	10	2,126.59	10	2,400.31	10	2,673.99
1/4	217.07	1/4	490.75	1/4	763.95	1/4	1,037.41	1/4	1,311.14	1/4	1,584.86	1/4	1,858.58	1/4	2,132.29	1/4	2,406.01	1/4	2,679.69
1/2	222.77	1/2	496.45	1/2	769.63	1/2	1,043.12	1/2	1,316.85	1/2	1,590.57	1/2	1,864.29	1/2	2,138.00	1/2	2,411.71	1/2	2,685.40
3/4	228.47	3/4	502.16	3/4	775.32	3/4	1,048.82	3/4	1,322.55	3/4	1,596.27	3/4	1,869.99	3/4	2,143.70	3/4	2,417.41	3/4	2,691.10
11	234.17	11	507.86	11	781.00	11	1,054.52	11	1,328.25	11	1,601.97	11	1,875.69	11	2,149.40	11	2,423.11	11	2,696.80
1/4	239.87	1/4	513.56	1/4	786.68	1/4	1,060.22	1/4	1,333.95	1/4	1,607.67	1/4	1,881.39	1/4	2,155.10	1/4	2,428.81	1/4	2,702.50
1/2	245.58	1/2	519.26	1/2	792.37	1/2	1,065.93	1/2	1,339.66	1/2	1,613.38	1/2	1,887.10	1/2	2,160.81	1/2	2,434.52	1/2	2,708.20
3/4	251.28	3/4	524.97	3/4	798.05	3/4	1,071.63	3/4	1,345.36	3/4	1,619.08	3/4	1,892.80	3/4	2,166.51	3/4	2,440.22	3/4	2,713.90

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TOP LIP OF "HERMETIC" BALL VALVE.
 GAUGE POINT: (HERMETIC) LOCATED NEAR GEOMETRIC CENTER OF TANK

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "KIRBY 11402"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1020

GAUGE HEIGHT 16'-01 1/2"

IN	10 FT.	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.
0	2,719.60	0	2,993.29	0	3,242.68	0	3,488.61	0	3,734.53	0		0		0		0		0	
1/4	2,725.30	1/4	2,998.99	1/4	3,247.80	1/4	3,493.73	1/4	3,739.65	1/4		1/4		1/4		1/4		1/4	
1/2	2,731.01	1/2	3,004.69	1/2	3,252.93	1/2	3,498.85	1/2	3,744.78	1/2		1/2		1/2		1/2		1/2	
3/4	2,736.71	3/4	3,010.39	3/4	3,258.05	3/4	3,503.98	3/4	3,749.90	3/4		3/4		3/4		3/4		3/4	
1	2,742.41	1	3,016.09	1	3,263.18	1	3,509.10	1	3,755.03	1		1		1		1		1	
1/4	2,748.11	1/4	3,021.50	1/4	3,268.30	1/4	3,514.22	1/4	3,760.15	1/4		1/4		1/4		1/4		1/4	
1/2	2,753.82	1/2	3,026.92	1/2	3,273.42	1/2	3,519.35	1/2	3,765.27	1/2		1/2		1/2		1/2		1/2	
3/4	2,759.52	3/4	3,032.33	3/4	3,278.55	3/4	3,524.47	3/4	3,770.40	3/4		3/4		3/4		3/4		3/4	
2	2,765.22	2	3,037.75	2	3,283.67	2	3,529.60	2	3,775.52	2		2		2		2		2	
1/4	2,770.92	1/4	3,042.87	1/4	3,288.79	1/4	3,534.72	1/4	3,780.64	1/4		1/4		1/4		1/4		1/4	
1/2	2,776.63	1/2	3,047.99	1/2	3,293.91	1/2	3,539.84	1/2	3,785.77	1/2		1/2		1/2		1/2		1/2	
3/4	2,782.33	3/4	3,053.12	3/4	3,299.04	3/4	3,544.97	3/4	3,790.89	3/4		3/4		3/4		3/4		3/4	
3	2,788.03	3	3,058.24	3	3,304.16	3	3,550.09	3	3,796.02	3		3		3		3		3	
1/4	2,793.73	1/4	3,063.36	1/4	3,309.28	1/4	3,555.21	1/4	3,801.14	1/4		1/4		1/4		1/4		1/4	
1/2	2,799.43	1/2	3,068.48	1/2	3,314.41	1/2	3,560.33	1/2	3,806.26	1/2		1/2		1/2		1/2		1/2	
3/4	2,805.13	3/4	3,073.61	3/4	3,319.53	3/4	3,565.46	3/4	3,811.39	3/4		3/4		3/4		3/4		3/4	
4	2,810.83	4	3,078.73	4	3,324.66	4	3,570.58	4	3,816.51	4		4		4		4		4	
1/4	2,816.53	1/4	3,083.85	1/4	3,329.78	1/4	3,575.70	1/4	3,821.63	1/4		1/4		1/4		1/4		1/4	
1/2	2,822.24	1/2	3,088.98	1/2	3,334.90	1/2	3,580.83	1/2	3,826.75	1/2		1/2		1/2		1/2		1/2	
3/4	2,827.94	3/4	3,094.10	3/4	3,340.03	3/4	3,585.95	3/4	3,831.88	3/4		3/4		3/4		3/4		3/4	
5	2,833.64	5	3,099.23	5	3,345.15	5	3,591.08	5	3,837.00	5		5		5		5		5	
1/4	2,839.34	1/4	3,104.35	1/4	3,350.27	1/4	3,596.20	1/4	3,841.64	1/4		1/4		1/4		1/4		1/4	
1/2	2,845.05	1/2	3,109.47	1/2	3,355.40	1/2	3,601.32	1/2	3,846.29	1/2		1/2		1/2		1/2		1/2	
3/4	2,850.75	3/4	3,114.60	3/4	3,360.52	3/4	3,606.45	3/4	3,850.93	3/4		3/4		3/4		3/4		3/4	
6	2,856.45	6	3,119.72	6	3,365.65	6	3,611.57	6	3,855.58	6		6		6		6		6	
1/4	2,862.15	1/4	3,124.84	1/4	3,370.77	1/4	3,616.69	1/4	3,858.57	1/4		1/4		1/4		1/4		1/4	
1/2	2,867.85	1/2	3,129.96	1/2	3,375.89	1/2	3,621.82	1/2	3,861.55	1/2		1/2		1/2		1/2		1/2	
3/4	2,873.55	3/4	3,135.09	3/4	3,381.02	3/4	3,626.94	3/4	3,864.54	3/4		3/4		3/4		3/4		3/4	
7	2,879.25	7	3,140.21	7	3,386.14	7	3,632.07	7	3,867.53	7		7		7		7		7	
1/4	2,884.95	1/4	3,145.33	1/4	3,391.26	1/4	3,637.19	1/4	3,868.81	1/4		1/4		1/4		1/4		1/4	
1/2	2,890.66	1/2	3,150.46	1/2	3,396.38	1/2	3,642.31	1/2	3,870.09	1/2		1/2		1/2		1/2		1/2	
3/4	2,896.36	3/4	3,155.58	3/4	3,401.51	3/4	3,647.44	3/4	3,871.38	3/4		3/4		3/4		3/4		3/4	
8	2,902.06	8	3,160.71	8	3,406.63	8	3,652.56	8	3,872.66	8		8		8		8		8	
1/4	2,907.76	1/4	3,165.83	1/4	3,411.75	1/4	3,657.68	1/4	3,872.87	1/4		1/4		1/4		1/4		1/4	
1/2	2,913.47	1/2	3,170.95	1/2	3,416.88	1/2	3,662.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,919.17	3/4	3,176.08	3/4	3,422.00	3/4	3,667.93	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,924.87	9	3,181.20	9	3,427.13	9	3,673.05	9		9		9		9		9		9	
1/4	2,930.57	1/4	3,186.32	1/4	3,432.25	1/4	3,678.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,936.27	1/2	3,191.45	1/2	3,437.37	1/2	3,683.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,941.97	3/4	3,196.57	3/4	3,442.50	3/4	3,688.42	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,947.67	10	3,201.70	10	3,447.62	10	3,693.55	10		10		10		10		10		10	
1/4	2,953.37	1/4	3,206.82	1/4	3,452.74	1/4	3,698.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,959.07	1/2	3,211.94	1/2	3,457.86	1/2	3,703.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,964.78	3/4	3,217.07	3/4	3,462.99	3/4	3,708.92	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,970.48	11	3,222.19	11	3,468.11	11	3,714.04	11		11		11		11		11		11	
1/4	2,976.18	1/4	3,227.31	1/4	3,473.23	1/4	3,719.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,981.88	1/2	3,232.43	1/2	3,478.36	1/2	3,724.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,987.59	3/4	3,237.56	3/4	3,483.48	3/4	3,729.41	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/03/2008 INT
CALCULATED: 12/10/2008 WHF
NAME CHANGE: 11/30/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>





BARGE "KIRBY 11402"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1020

GAUGE HEIGHT 16'-01 1/2"

IN	0 FT.	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.
0	0.92	0	231.72	0	481.23	0	730.12	0	979.55	0	1,229.11	0	1,478.66	0	1,728.21	0	1,977.75	0	2,227.28
1/4	2.65	1/4	236.92	1/4	486.43	1/4	735.30	1/4	984.75	1/4	1,234.31	1/4	1,483.86	1/4	1,733.41	1/4	1,982.95	1/4	2,232.48
1/2	4.39	1/2	242.12	1/2	491.62	1/2	740.48	1/2	989.95	1/2	1,239.51	1/2	1,489.06	1/2	1,738.61	1/2	1,988.15	1/2	2,237.68
3/4	6.12	3/4	247.31	3/4	496.82	3/4	745.66	3/4	995.15	3/4	1,244.70	3/4	1,494.25	3/4	1,743.80	3/4	1,993.34	3/4	2,242.87
1	7.85	1	252.51	1	502.02	1	750.84	1	1,000.35	1	1,249.90	1	1,499.45	1	1,749.00	1	1,998.54	1	2,248.07
1/4	11.84	1/4	257.71	1/4	507.22	1/4	756.03	1/4	1,005.55	1/4	1,255.10	1/4	1,504.65	1/4	1,754.20	1/4	2,003.74	1/4	2,253.27
1/2	15.82	1/2	262.91	1/2	512.41	1/2	761.21	1/2	1,010.75	1/2	1,260.30	1/2	1,509.85	1/2	1,759.40	1/2	2,008.94	1/2	2,258.47
3/4	19.81	3/4	268.10	3/4	517.61	3/4	766.40	3/4	1,015.95	3/4	1,265.50	3/4	1,515.05	3/4	1,764.60	3/4	2,014.14	3/4	2,263.67
2	23.79	2	273.30	2	522.81	2	771.59	2	1,021.15	2	1,270.70	2	1,520.25	2	1,769.80	2	2,019.34	2	2,268.87
1/4	28.99	1/4	278.50	1/4	528.01	1/4	776.79	1/4	1,026.35	1/4	1,275.90	1/4	1,525.45	1/4	1,775.00	1/4	2,024.54	1/4	2,274.07
1/2	34.19	1/2	283.70	1/2	533.20	1/2	781.99	1/2	1,031.55	1/2	1,281.10	1/2	1,530.65	1/2	1,780.20	1/2	2,029.74	1/2	2,279.27
3/4	39.38	3/4	288.90	3/4	538.40	3/4	787.19	3/4	1,036.74	3/4	1,286.30	3/4	1,535.85	3/4	1,785.39	3/4	2,034.93	3/4	2,284.46
3	44.58	3	294.10	3	543.60	3	792.39	3	1,041.94	3	1,291.50	3	1,541.05	3	1,790.59	3	2,040.13	3	2,289.66
1/4	49.78	1/4	299.30	1/4	548.80	1/4	797.59	1/4	1,047.14	1/4	1,296.70	1/4	1,546.25	1/4	1,795.79	1/4	2,045.33	1/4	2,294.86
1/2	54.98	1/2	304.50	1/2	553.99	1/2	802.79	1/2	1,052.34	1/2	1,301.90	1/2	1,551.45	1/2	1,800.99	1/2	2,050.53	1/2	2,300.06
3/4	60.17	3/4	309.69	3/4	559.19	3/4	807.99	3/4	1,057.54	3/4	1,307.09	3/4	1,556.64	3/4	1,806.19	3/4	2,055.73	3/4	2,305.25
4	65.37	4	314.89	4	564.39	4	813.19	4	1,062.74	4	1,312.29	4	1,561.84	4	1,811.39	4	2,060.93	4	2,310.45
1/4	70.57	1/4	320.09	1/4	569.57	1/4	818.39	1/4	1,067.94	1/4	1,317.49	1/4	1,567.04	1/4	1,816.59	1/4	2,066.13	1/4	2,315.65
1/2	75.77	1/2	325.29	1/2	574.75	1/2	823.58	1/2	1,073.14	1/2	1,322.69	1/2	1,572.24	1/2	1,821.79	1/2	2,071.33	1/2	2,320.85
3/4	80.97	3/4	330.48	3/4	579.93	3/4	828.78	3/4	1,078.33	3/4	1,327.89	3/4	1,577.44	3/4	1,826.98	3/4	2,076.52	3/4	2,326.04
5	86.17	5	335.68	5	585.11	5	833.98	5	1,083.53	5	1,333.09	5	1,582.64	5	1,832.18	5	2,081.72	5	2,331.24
1/4	91.37	1/4	340.88	1/4	590.29	1/4	839.18	1/4	1,088.73	1/4	1,338.29	1/4	1,587.84	1/4	1,837.38	1/4	2,086.92	1/4	2,336.44
1/2	96.57	1/2	346.08	1/2	595.46	1/2	844.38	1/2	1,093.93	1/2	1,343.49	1/2	1,593.04	1/2	1,842.58	1/2	2,092.12	1/2	2,341.64
3/4	101.76	3/4	351.28	3/4	600.64	3/4	849.58	3/4	1,099.13	3/4	1,348.68	3/4	1,598.23	3/4	1,847.78	3/4	2,097.32	3/4	2,346.84
6	106.96	6	356.48	6	605.82	6	854.78	6	1,104.33	6	1,353.88	6	1,603.43	6	1,852.98	6	2,102.52	6	2,352.04
1/4	112.16	1/4	361.68	1/4	611.00	1/4	859.98	1/4	1,109.53	1/4	1,359.08	1/4	1,608.63	1/4	1,858.18	1/4	2,107.72	1/4	2,357.24
1/2	117.36	1/2	366.88	1/2	616.18	1/2	865.17	1/2	1,114.73	1/2	1,364.28	1/2	1,613.83	1/2	1,863.38	1/2	2,112.92	1/2	2,362.44
3/4	122.55	3/4	372.07	3/4	621.36	3/4	870.37	3/4	1,119.93	3/4	1,369.48	3/4	1,619.03	3/4	1,868.57	3/4	2,118.11	3/4	2,367.63
7	127.75	7	377.27	7	626.54	7	875.57	7	1,125.13	7	1,374.68	7	1,624.23	7	1,873.77	7	2,123.31	7	2,372.83
1/4	132.95	1/4	382.47	1/4	631.72	1/4	880.77	1/4	1,130.33	1/4	1,379.88	1/4	1,629.43	1/4	1,878.97	1/4	2,128.51	1/4	2,378.03
1/2	138.15	1/2	387.67	1/2	636.89	1/2	885.97	1/2	1,135.53	1/2	1,385.08	1/2	1,634.63	1/2	1,884.17	1/2	2,133.71	1/2	2,383.23
3/4	143.35	3/4	392.86	3/4	642.07	3/4	891.17	3/4	1,140.72	3/4	1,390.27	3/4	1,639.83	3/4	1,889.37	3/4	2,138.91	3/4	2,388.42
8	148.55	8	398.06	8	647.25	8	896.37	8	1,145.92	8	1,395.47	8	1,645.03	8	1,894.57	8	2,144.11	8	2,393.62
1/4	153.75	1/4	403.26	1/4	652.43	1/4	901.57	1/4	1,151.12	1/4	1,400.67	1/4	1,650.23	1/4	1,899.77	1/4	2,149.31	1/4	2,398.82
1/2	158.95	1/2	408.46	1/2	657.61	1/2	906.77	1/2	1,156.32	1/2	1,405.87	1/2	1,655.43	1/2	1,904.97	1/2	2,154.51	1/2	2,404.02
3/4	164.14	3/4	413.66	3/4	662.79	3/4	911.97	3/4	1,161.52	3/4	1,411.07	3/4	1,660.62	3/4	1,910.16	3/4	2,159.70	3/4	2,409.21
9	169.34	9	418.86	9	667.97	9	917.17	9	1,166.72	9	1,416.27	9	1,665.82	9	1,915.36	9	2,164.90	9	2,414.41
1/4	174.54	1/4	424.06	1/4	673.15	1/4	922.37	1/4	1,171.92	1/4	1,421.47	1/4	1,671.02	1/4	1,920.56	1/4	2,170.10	1/4	2,419.61
1/2	179.74	1/2	429.25	1/2	678.33	1/2	927.56	1/2	1,177.12	1/2	1,426.67	1/2	1,676.22	1/2	1,925.76	1/2	2,175.30	1/2	2,424.81
3/4	184.93	3/4	434.45	3/4	683.51	3/4	932.76	3/4	1,182.32	3/4	1,431.87	3/4	1,681.42	3/4	1,930.96	3/4	2,180.50	3/4	2,430.01
10	190.13	10	439.65	10	688.69	10	937.96	10	1,187.52	10	1,437.07	10	1,686.62	10	1,936.16	10	2,185.70	10	2,435.21
1/4	195.33	1/4	444.85	1/4	693.87	1/4	943.16	1/4	1,192.72	1/4	1,442.27	1/4	1,691.82	1/4	1,941.36	1/4	2,190.90	1/4	2,440.41
1/2	200.53	1/2	450.04	1/2	699.04	1/2	948.36	1/2	1,197.92	1/2	1,447.47	1/2	1,697.02	1/2	1,946.56	1/2	2,196.10	1/2	2,445.61
3/4	205.73	3/4	455.24	3/4	704.22	3/4	953.56	3/4	1,203.11	3/4	1,452.66	3/4	1,702.21	3/4	1,951.75	3/4	2,201.29	3/4	2,450.80
11	210.93	11	460.44	11	709.40	11	958.76	11	1,208.31	11	1,457.86	11	1,707.41	11	1,956.95	11	2,206.49	11	2,456.00
1/4	216.13	1/4	465.64	1/4	714.58	1/4	963.96	1/4	1,213.51	1/4	1,463.06	1/4	1,712.61	1/4	1,962.15	1/4	2,211.69	1/4	2,461.20
1/2	221.33	1/2	470.83	1/2	719.76	1/2	969.15	1/2	1,218.71	1/2	1,468.26	1/2	1,717.81	1/2	1,967.35	1/2	2,216.89	1/2	2,466.40
3/4	226.52	3/4	476.03	3/4	724.94	3/4	974.35	3/4	1,223.91	3/4	1,473.46	3/4	1,723.01	3/4	1,972.55	3/4	2,222.08	3/4	2,471.59

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TOP LIP OF "HERMETIC" BALL VALVE.
 GAUGE POINT: (HERMETIC) LOCATED NEAR GEOMETRIC CENTER OF TANK

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 11402"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1020

GAUGE HEIGHT 16'-01 1/2"

IN	10 FT.	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.
0	2,476.79	0	2,726.30	0	2,975.81	0	3,225.33	0	3,474.84	0		0		0		0		0	
1/4	2,481.99	1/4	2,731.50	1/4	2,981.01	1/4	3,230.53	1/4	3,480.04	1/4		1/4		1/4		1/4		1/4	
1/2	2,487.19	1/2	2,736.70	1/2	2,986.21	1/2	3,235.73	1/2	3,485.24	1/2		1/2		1/2		1/2		1/2	
3/4	2,492.38	3/4	2,741.90	3/4	2,991.41	3/4	3,240.92	3/4	3,490.43	3/4		3/4		3/4		3/4		3/4	
1	2,497.58	1	2,747.10	1	2,996.61	1	3,246.12	1	3,495.63	1		1		1		1		1	
1/4	2,502.78	1/4	2,752.30	1/4	3,001.81	1/4	3,251.32	1/4	3,500.83	1/4		1/4		1/4		1/4		1/4	
1/2	2,507.98	1/2	2,757.50	1/2	3,007.01	1/2	3,256.52	1/2	3,506.03	1/2		1/2		1/2		1/2		1/2	
3/4	2,513.18	3/4	2,762.69	3/4	3,012.20	3/4	3,261.71	3/4	3,511.22	3/4		3/4		3/4		3/4		3/4	
2	2,518.38	2	2,767.89	2	3,017.40	2	3,266.91	2	3,516.42	2		2		2		2		2	
1/4	2,523.58	1/4	2,773.09	1/4	3,022.60	1/4	3,272.11	1/4	3,521.62	1/4		1/4		1/4		1/4		1/4	
1/2	2,528.78	1/2	2,778.29	1/2	3,027.80	1/2	3,277.31	1/2	3,526.82	1/2		1/2		1/2		1/2		1/2	
3/4	2,533.97	3/4	2,783.48	3/4	3,032.99	3/4	3,282.50	3/4	3,532.01	3/4		3/4		3/4		3/4		3/4	
3	2,539.17	3	2,788.68	3	3,038.19	3	3,287.70	3	3,537.21	3		3		3		3		3	
1/4	2,544.37	1/4	2,793.88	1/4	3,043.39	1/4	3,292.90	1/4	3,542.41	1/4		1/4		1/4		1/4		1/4	
1/2	2,549.57	1/2	2,799.08	1/2	3,048.59	1/2	3,298.10	1/2	3,547.61	1/2		1/2		1/2		1/2		1/2	
3/4	2,554.76	3/4	2,804.27	3/4	3,053.78	3/4	3,303.30	3/4	3,552.81	3/4		3/4		3/4		3/4		3/4	
4	2,559.96	4	2,809.47	4	3,058.98	4	3,308.50	4	3,558.01	4		4		4		4		4	
1/4	2,565.16	1/4	2,814.67	1/4	3,064.18	1/4	3,313.70	1/4	3,563.21	1/4		1/4		1/4		1/4		1/4	
1/2	2,570.36	1/2	2,819.87	1/2	3,069.38	1/2	3,318.90	1/2	3,568.41	1/2		1/2		1/2		1/2		1/2	
3/4	2,575.56	3/4	2,825.07	3/4	3,074.58	3/4	3,324.09	3/4	3,573.60	3/4		3/4		3/4		3/4		3/4	
5	2,580.76	5	2,830.27	5	3,079.78	5	3,329.29	5	3,578.80	5		5		5		5		5	
1/4	2,585.96	1/4	2,835.47	1/4	3,084.98	1/4	3,334.49	1/4	3,583.78	1/4		1/4		1/4		1/4		1/4	
1/2	2,591.16	1/2	2,840.67	1/2	3,090.18	1/2	3,339.69	1/2	3,588.77	1/2		1/2		1/2		1/2		1/2	
3/4	2,596.35	3/4	2,845.86	3/4	3,095.37	3/4	3,344.88	3/4	3,593.75	3/4		3/4		3/4		3/4		3/4	
6	2,601.55	6	2,851.06	6	3,100.57	6	3,350.08	6	3,598.73	6		6		6		6		6	
1/4	2,606.75	1/4	2,856.26	1/4	3,105.77	1/4	3,355.28	1/4	3,602.20	1/4		1/4		1/4		1/4		1/4	
1/2	2,611.95	1/2	2,861.46	1/2	3,110.97	1/2	3,360.48	1/2	3,605.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,617.14	3/4	2,866.65	3/4	3,116.16	3/4	3,365.67	3/4	3,609.13	3/4		3/4		3/4		3/4		3/4	
7	2,622.34	7	2,871.85	7	3,121.36	7	3,370.87	7	3,612.59	7		7		7		7		7	
1/4	2,627.54	1/4	2,877.05	1/4	3,126.56	1/4	3,376.07	1/4	3,614.32	1/4		1/4		1/4		1/4		1/4	
1/2	2,632.74	1/2	2,882.25	1/2	3,131.76	1/2	3,381.27	1/2	3,616.06	1/2		1/2		1/2		1/2		1/2	
3/4	2,637.93	3/4	2,887.44	3/4	3,136.96	3/4	3,386.47	3/4	3,617.79	3/4		3/4		3/4		3/4		3/4	
8	2,643.13	8	2,892.64	8	3,142.16	8	3,391.67	8	3,619.52	8		8		8		8		8	
1/4	2,648.33	1/4	2,897.84	1/4	3,147.36	1/4	3,396.87	1/4	3,620.17	1/4		1/4		1/4		1/4		1/4	
1/2	2,653.53	1/2	2,903.04	1/2	3,152.56	1/2	3,402.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,658.73	3/4	2,908.24	3/4	3,157.75	3/4	3,407.26	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,663.93	9	2,913.44	9	3,162.95	9	3,412.46	9		9		9		9		9		9	
1/4	2,669.13	1/4	2,918.64	1/4	3,168.15	1/4	3,417.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,674.33	1/2	2,923.84	1/2	3,173.35	1/2	3,422.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,679.52	3/4	2,929.03	3/4	3,178.54	3/4	3,428.05	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,684.72	10	2,934.23	10	3,183.74	10	3,433.25	10		10		10		10		10		10	
1/4	2,689.92	1/4	2,939.43	1/4	3,188.94	1/4	3,438.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,695.12	1/2	2,944.63	1/2	3,194.14	1/2	3,443.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,700.31	3/4	2,949.82	3/4	3,199.33	3/4	3,448.84	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,705.51	11	2,955.02	11	3,204.53	11	3,454.04	11		11		11		11		11		11	
1/4	2,710.71	1/4	2,960.22	1/4	3,209.73	1/4	3,459.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,715.91	1/2	2,965.42	1/2	3,214.93	1/2	3,464.44	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,721.11	3/4	2,970.62	3/4	3,220.13	3/4	3,469.64	3/4		3/4		3/4		3/4		3/4		3/4	
12	2,726.31	12	2,975.82	12	3,225.33	12	3,474.84	12		12		12		12		12		12	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/03/2008 INT
CALCULATED: 12/10/2008 WHF
NAME CHANGE: 11/30/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023



BARGE "KIRBY 11402"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1020

GAUGE HEIGHT 16'-01 1/4"

IN	0 FT.	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.
0	0.92	0	230.38	0	478.45	0	725.90	0	973.89	0	1,222.00	0	1,470.10	0	1,718.21	0	1,966.30	0	2,214.40
1/4	2.64	1/4	235.55	1/4	483.62	1/4	731.05	1/4	979.06	1/4	1,227.17	1/4	1,475.27	1/4	1,723.38	1/4	1,971.47	1/4	2,219.57
1/2	4.36	1/2	240.72	1/2	488.79	1/2	736.20	1/2	984.23	1/2	1,232.34	1/2	1,480.44	1/2	1,728.55	1/2	1,976.64	1/2	2,224.74
3/4	6.08	3/4	245.88	3/4	493.95	3/4	741.34	3/4	989.39	3/4	1,237.50	3/4	1,485.61	3/4	1,733.71	3/4	1,981.81	3/4	2,229.90
1	7.80	1	251.05	1	499.12	1	746.49	1	994.56	1	1,242.67	1	1,490.78	1	1,738.88	1	1,986.98	1	2,235.07
1/4	11.76	1/4	256.22	1/4	504.29	1/4	751.65	1/4	999.73	1/4	1,247.84	1/4	1,495.95	1/4	1,744.05	1/4	1,992.15	1/4	2,240.24
1/2	15.73	1/2	261.39	1/2	509.46	1/2	756.81	1/2	1,004.90	1/2	1,253.01	1/2	1,501.12	1/2	1,749.22	1/2	1,997.32	1/2	2,245.41
3/4	19.69	3/4	266.56	3/4	514.62	3/4	761.97	3/4	1,010.07	3/4	1,258.18	3/4	1,506.28	3/4	1,754.39	3/4	2,002.48	3/4	2,250.57
2	23.65	2	271.73	2	519.79	2	767.13	2	1,015.24	2	1,263.35	2	1,511.45	2	1,759.56	2	2,007.65	2	2,255.74
1/4	28.82	1/4	276.90	1/4	524.96	1/4	772.30	1/4	1,020.41	1/4	1,268.52	1/4	1,516.62	1/4	1,764.73	1/4	2,012.82	1/4	2,260.91
1/2	33.99	1/2	282.07	1/2	530.13	1/2	777.47	1/2	1,025.58	1/2	1,273.69	1/2	1,521.79	1/2	1,769.90	1/2	2,017.99	1/2	2,266.08
3/4	39.16	3/4	287.23	3/4	535.29	3/4	782.63	3/4	1,030.74	3/4	1,278.85	3/4	1,526.96	3/4	1,775.06	3/4	2,023.16	3/4	2,271.24
3	44.33	3	292.40	3	540.46	3	787.80	3	1,035.91	3	1,284.02	3	1,532.13	3	1,780.23	3	2,028.33	3	2,276.41
1/4	49.50	1/4	297.57	1/4	545.63	1/4	792.97	1/4	1,041.08	1/4	1,289.19	1/4	1,537.30	1/4	1,785.40	1/4	2,033.50	1/4	2,281.58
1/2	54.67	1/2	302.74	1/2	550.80	1/2	798.14	1/2	1,046.25	1/2	1,294.36	1/2	1,542.47	1/2	1,790.57	1/2	2,038.67	1/2	2,286.75
3/4	59.83	3/4	307.90	3/4	555.96	3/4	803.31	3/4	1,051.42	3/4	1,299.53	3/4	1,547.64	3/4	1,795.74	3/4	2,043.83	3/4	2,291.92
4	65.00	4	313.07	4	561.13	4	808.48	4	1,056.59	4	1,304.70	4	1,552.81	4	1,800.91	4	2,049.00	4	2,297.09
1/4	70.17	1/4	318.24	1/4	566.28	1/4	813.65	1/4	1,061.76	1/4	1,309.87	1/4	1,557.98	1/4	1,806.08	1/4	2,054.17	1/4	2,302.26
1/2	75.34	1/2	323.41	1/2	571.43	1/2	818.82	1/2	1,066.93	1/2	1,315.04	1/2	1,563.15	1/2	1,811.25	1/2	2,059.34	1/2	2,307.43
3/4	80.50	3/4	328.57	3/4	576.57	3/4	823.99	3/4	1,072.10	3/4	1,320.20	3/4	1,568.31	3/4	1,816.41	3/4	2,064.51	3/4	2,312.59
5	85.67	5	333.74	5	581.72	5	829.16	5	1,077.27	5	1,325.37	5	1,573.48	5	1,821.58	5	2,069.68	5	2,317.76
1/4	90.84	1/4	338.91	1/4	586.87	1/4	834.33	1/4	1,082.44	1/4	1,330.54	1/4	1,578.65	1/4	1,826.75	1/4	2,074.85	1/4	2,322.93
1/2	96.01	1/2	344.08	1/2	592.02	1/2	839.50	1/2	1,087.61	1/2	1,335.71	1/2	1,583.82	1/2	1,831.92	1/2	2,080.02	1/2	2,328.10
3/4	101.17	3/4	349.25	3/4	597.17	3/4	844.66	3/4	1,092.77	3/4	1,340.88	3/4	1,588.99	3/4	1,837.09	3/4	2,085.18	3/4	2,333.26
6	106.34	6	354.42	6	602.32	6	849.83	6	1,097.94	6	1,346.05	6	1,594.16	6	1,842.26	6	2,090.35	6	2,338.43
1/4	111.51	1/4	359.59	1/4	607.47	1/4	855.00	1/4	1,103.11	1/4	1,351.22	1/4	1,599.33	1/4	1,847.43	1/4	2,095.52	1/4	2,343.60
1/2	116.68	1/2	364.76	1/2	612.62	1/2	860.17	1/2	1,108.28	1/2	1,356.39	1/2	1,604.50	1/2	1,852.60	1/2	2,100.69	1/2	2,348.77
3/4	121.85	3/4	369.92	3/4	617.76	3/4	865.34	3/4	1,113.45	3/4	1,361.56	3/4	1,609.66	3/4	1,857.76	3/4	2,105.86	3/4	2,353.93
7	127.02	7	375.09	7	622.91	7	870.51	7	1,118.62	7	1,366.73	7	1,614.83	7	1,862.93	7	2,111.03	7	2,359.10
1/4	132.19	1/4	380.26	1/4	628.06	1/4	875.68	1/4	1,123.79	1/4	1,371.90	1/4	1,620.00	1/4	1,868.10	1/4	2,116.20	1/4	2,364.27
1/2	137.36	1/2	385.43	1/2	633.21	1/2	880.85	1/2	1,128.96	1/2	1,377.07	1/2	1,625.17	1/2	1,873.27	1/2	2,121.37	1/2	2,369.44
3/4	142.52	3/4	390.59	3/4	638.36	3/4	886.01	3/4	1,134.12	3/4	1,382.23	3/4	1,630.34	3/4	1,878.44	3/4	2,126.53	3/4	2,374.60
8	147.69	8	395.76	8	643.51	8	891.18	8	1,139.29	8	1,387.40	8	1,635.51	8	1,883.61	8	2,131.70	8	2,379.77
1/4	152.86	1/4	400.93	1/4	648.66	1/4	896.35	1/4	1,144.46	1/4	1,392.57	1/4	1,640.68	1/4	1,888.78	1/4	2,136.87	1/4	2,384.94
1/2	158.03	1/2	406.10	1/2	653.81	1/2	901.52	1/2	1,149.63	1/2	1,397.74	1/2	1,645.85	1/2	1,893.95	1/2	2,142.04	1/2	2,390.11
3/4	163.19	3/4	411.27	3/4	658.96	3/4	906.69	3/4	1,154.80	3/4	1,402.91	3/4	1,651.01	3/4	1,899.11	3/4	2,147.21	3/4	2,395.28
9	168.36	9	416.44	9	664.11	9	911.86	9	1,159.97	9	1,408.08	9	1,656.18	9	1,904.28	9	2,152.38	9	2,400.45
1/4	173.53	1/4	421.61	1/4	669.26	1/4	917.03	1/4	1,165.14	1/4	1,413.25	1/4	1,661.35	1/4	1,909.45	1/4	2,157.55	1/4	2,405.62
1/2	178.70	1/2	426.78	1/2	674.41	1/2	922.20	1/2	1,170.31	1/2	1,418.42	1/2	1,666.52	1/2	1,914.62	1/2	2,162.72	1/2	2,410.79
3/4	183.87	3/4	431.94	3/4	679.55	3/4	927.36	3/4	1,175.47	3/4	1,423.58	3/4	1,671.69	3/4	1,919.79	3/4	2,167.88	3/4	2,415.95
10	189.04	10	437.11	10	684.70	10	932.53	10	1,180.64	10	1,428.75	10	1,676.86	10	1,924.96	10	2,173.05	10	2,421.12
1/4	194.21	1/4	442.28	1/4	689.85	1/4	937.70	1/4	1,185.81	1/4	1,433.92	1/4	1,682.03	1/4	1,930.13	1/4	2,178.22	1/4	2,426.29
1/2	199.38	1/2	447.45	1/2	695.00	1/2	942.87	1/2	1,190.98	1/2	1,439.09	1/2	1,687.20	1/2	1,935.30	1/2	2,183.39	1/2	2,431.46
3/4	204.54	3/4	452.61	3/4	700.15	3/4	948.04	3/4	1,196.15	3/4	1,444.26	3/4	1,692.36	3/4	1,940.46	3/4	2,188.55	3/4	2,436.62
11	209.71	11	457.78	11	705.30	11	953.21	11	1,201.32	11	1,449.43	11	1,697.53	11	1,945.63	11	2,193.72	11	2,441.79
1/4	214.88	1/4	462.95	1/4	710.45	1/4	958.38	1/4	1,206.49	1/4	1,454.60	1/4	1,702.70	1/4	1,950.80	1/4	2,198.89	1/4	2,446.96
1/2	220.05	1/2	468.12	1/2	715.60	1/2	963.55	1/2	1,211.66	1/2	1,459.77	1/2	1,707.87	1/2	1,955.97	1/2	2,204.06	1/2	2,452.13
3/4	225.21	3/4	473.28	3/4	720.75	3/4	968.72	3/4	1,216.83	3/4	1,464.93	3/4	1,713.04	3/4	1,961.13	3/4	2,209.23	3/4	2,457.29

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TOP LIP OF "HERMETIC" BALL VALVE.
 GAUGE POINT: (HERMETIC) LOCATED NEAR GEOMETRIC CENTER OF TANK

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 11402"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1020

GAUGE HEIGHT 16'-01 1/4"

IN	10 FT.	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.
0	2,462.46	0	2,710.53	0	2,958.60	0	3,206.67	0	3,454.74	0		0		0		0		0	
1/4	2,467.63	1/4	2,715.70	1/4	2,963.77	1/4	3,211.84	1/4	3,459.91	1/4		1/4		1/4		1/4		1/4	
1/2	2,472.80	1/2	2,720.87	1/2	2,968.94	1/2	3,217.01	1/2	3,465.08	1/2		1/2		1/2		1/2		1/2	
3/4	2,477.97	3/4	2,726.03	3/4	2,974.10	3/4	3,222.17	3/4	3,470.24	3/4		3/4		3/4		3/4		3/4	
1	2,483.14	1	2,731.20	1	2,979.27	1	3,227.34	1	3,475.41	1		1		1		1		1	
1/4	2,488.31	1/4	2,736.37	1/4	2,984.44	1/4	3,232.51	1/4	3,480.58	1/4		1/4		1/4		1/4		1/4	
1/2	2,493.48	1/2	2,741.54	1/2	2,989.61	1/2	3,237.68	1/2	3,485.75	1/2		1/2		1/2		1/2		1/2	
3/4	2,498.64	3/4	2,746.71	3/4	2,994.77	3/4	3,242.84	3/4	3,490.91	3/4		3/4		3/4		3/4		3/4	
2	2,503.81	2	2,751.88	2	2,999.94	2	3,248.01	2	3,496.08	2		2		2		2		2	
1/4	2,508.98	1/4	2,757.05	1/4	3,005.11	1/4	3,253.18	1/4	3,501.25	1/4		1/4		1/4		1/4		1/4	
1/2	2,514.15	1/2	2,762.22	1/2	3,010.28	1/2	3,258.35	1/2	3,506.42	1/2		1/2		1/2		1/2		1/2	
3/4	2,519.31	3/4	2,767.38	3/4	3,015.45	3/4	3,263.51	3/4	3,511.58	3/4		3/4		3/4		3/4		3/4	
3	2,524.48	3	2,772.55	3	3,020.62	3	3,268.68	3	3,516.75	3		3		3		3		3	
1/4	2,529.65	1/4	2,777.72	1/4	3,025.79	1/4	3,273.85	1/4	3,521.92	1/4		1/4		1/4		1/4		1/4	
1/2	2,534.82	1/2	2,782.89	1/2	3,030.96	1/2	3,279.02	1/2	3,527.09	1/2		1/2		1/2		1/2		1/2	
3/4	2,539.98	3/4	2,788.05	3/4	3,036.12	3/4	3,284.19	3/4	3,532.26	3/4		3/4		3/4		3/4		3/4	
4	2,545.15	4	2,793.22	4	3,041.29	4	3,289.36	4	3,537.43	4		4		4		4		4	
1/4	2,550.32	1/4	2,798.39	1/4	3,046.46	1/4	3,294.53	1/4	3,542.60	1/4		1/4		1/4		1/4		1/4	
1/2	2,555.49	1/2	2,803.56	1/2	3,051.63	1/2	3,299.70	1/2	3,547.77	1/2		1/2		1/2		1/2		1/2	
3/4	2,560.66	3/4	2,808.72	3/4	3,056.79	3/4	3,304.86	3/4	3,552.93	3/4		3/4		3/4		3/4		3/4	
5	2,565.83	5	2,813.89	5	3,061.96	5	3,310.03	5	3,558.10	5		5		5		5		5	
1/4	2,571.00	1/4	2,819.06	1/4	3,067.13	1/4	3,315.20	1/4	3,563.01	1/4		1/4		1/4		1/4		1/4	
1/2	2,576.17	1/2	2,824.23	1/2	3,072.30	1/2	3,320.37	1/2	3,567.92	1/2		1/2		1/2		1/2		1/2	
3/4	2,581.33	3/4	2,829.40	3/4	3,077.46	3/4	3,325.53	3/4	3,572.83	3/4		3/4		3/4		3/4		3/4	
6	2,586.50	6	2,834.57	6	3,082.63	6	3,330.70	6	3,577.74	6		6		6		6		6	
1/4	2,591.67	1/4	2,839.74	1/4	3,087.80	1/4	3,335.87	1/4	3,580.84	1/4		1/4		1/4		1/4		1/4	
1/2	2,596.84	1/2	2,844.91	1/2	3,092.97	1/2	3,341.04	1/2	3,583.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,602.00	3/4	2,850.07	3/4	3,098.14	3/4	3,346.20	3/4	3,587.04	3/4		3/4		3/4		3/4		3/4	
7	2,607.17	7	2,855.24	7	3,103.31	7	3,351.37	7	3,590.14	7		7		7		7		7	
1/4	2,612.34	1/4	2,860.41	1/4	3,108.48	1/4	3,356.54	1/4	3,591.18	1/4		1/4		1/4		1/4		1/4	
1/2	2,617.51	1/2	2,865.58	1/2	3,113.65	1/2	3,361.71	1/2	3,592.21	1/2		1/2		1/2		1/2		1/2	
3/4	2,622.67	3/4	2,870.74	3/4	3,118.81	3/4	3,366.88	3/4	3,593.25	3/4		3/4		3/4		3/4		3/4	
8	2,627.84	8	2,875.91	8	3,123.98	8	3,372.05	8	3,594.28	8		8		8		8		8	
1/4	2,633.01	1/4	2,881.08	1/4	3,129.15	1/4	3,377.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,638.18	1/2	2,886.25	1/2	3,134.32	1/2	3,382.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,643.35	3/4	2,891.41	3/4	3,139.48	3/4	3,387.55	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,648.52	9	2,896.58	9	3,144.65	9	3,392.72	9		9		9		9		9		9	
1/4	2,653.69	1/4	2,901.75	1/4	3,149.82	1/4	3,397.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,658.86	1/2	2,906.92	1/2	3,154.99	1/2	3,403.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,664.02	3/4	2,912.09	3/4	3,160.15	3/4	3,408.22	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,669.19	10	2,917.26	10	3,165.32	10	3,413.39	10		10		10		10		10		10	
1/4	2,674.36	1/4	2,922.43	1/4	3,170.49	1/4	3,418.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,679.53	1/2	2,927.60	1/2	3,175.66	1/2	3,423.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,684.69	3/4	2,932.76	3/4	3,180.83	3/4	3,428.89	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,689.86	11	2,937.93	11	3,186.00	11	3,434.06	11		11		11		11		11		11	
1/4	2,695.03	1/4	2,943.10	1/4	3,191.17	1/4	3,439.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,700.20	1/2	2,948.27	1/2	3,196.34	1/2	3,444.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,705.36	3/4	2,953.43	3/4	3,201.50	3/4	3,449.57	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/03/2008 INT
CALCULATED: 12/10/2008 WHF
NAME CHANGE: 11/30/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2023

PRECISION MEASUREMENT
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