



BARGE "KIRBY 11401"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1016

GAUGE HEIGHT 16'-01"

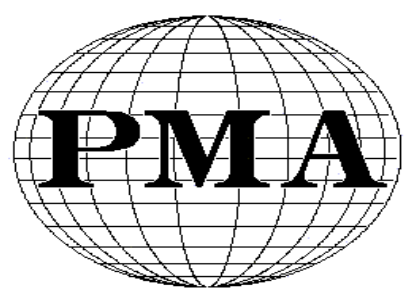
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.98	0	256.74	0	530.18	0	802.98	0	1,076.33	0	1,349.81	0	1,623.28	0	1,896.74	0	2,170.20	0	2,443.65
1/4	3.12	1/4	262.44	1/4	535.88	1/4	808.66	1/4	1,082.03	1/4	1,355.51	1/4	1,628.98	1/4	1,902.44	1/4	2,175.90	1/4	2,449.35
1/2	5.26	1/2	268.14	1/2	541.57	1/2	814.34	1/2	1,087.73	1/2	1,361.21	1/2	1,634.67	1/2	1,908.14	1/2	2,181.60	1/2	2,455.05
3/4	7.39	3/4	273.83	3/4	547.27	3/4	820.01	3/4	1,093.42	3/4	1,366.90	3/4	1,640.37	3/4	1,913.83	3/4	2,187.29	3/4	2,460.74
1	9.53	1	279.53	1	552.96	1	825.69	1	1,099.12	1	1,372.60	1	1,646.06	1	1,919.53	1	2,192.99	1	2,466.44
1/4	14.37	1/4	285.23	1/4	558.66	1/4	831.38	1/4	1,104.82	1/4	1,378.30	1/4	1,651.76	1/4	1,925.23	1/4	2,198.69	1/4	2,472.14
1/2	19.21	1/2	290.92	1/2	564.35	1/2	837.07	1/2	1,110.52	1/2	1,383.99	1/2	1,657.46	1/2	1,930.93	1/2	2,204.39	1/2	2,477.84
3/4	24.04	3/4	296.62	3/4	570.05	3/4	842.75	3/4	1,116.21	3/4	1,389.69	3/4	1,663.15	3/4	1,936.62	3/4	2,210.08	3/4	2,483.53
2	28.88	2	302.31	2	575.74	2	848.44	2	1,121.91	2	1,395.38	2	1,668.85	2	1,942.32	2	2,215.78	2	2,489.23
1/4	34.58	1/4	308.01	1/4	581.44	1/4	854.14	1/4	1,127.61	1/4	1,401.08	1/4	1,674.55	1/4	1,948.02	1/4	2,221.48	1/4	2,494.93
1/2	40.28	1/2	313.71	1/2	587.13	1/2	859.84	1/2	1,133.31	1/2	1,406.78	1/2	1,680.25	1/2	1,953.72	1/2	2,227.18	1/2	2,500.62
3/4	45.97	3/4	319.40	3/4	592.83	3/4	865.53	3/4	1,139.00	3/4	1,412.47	3/4	1,685.94	3/4	1,959.41	3/4	2,232.87	3/4	2,506.32
3	51.67	3	325.10	3	598.52	3	871.23	3	1,144.70	3	1,418.17	3	1,691.64	3	1,965.11	3	2,238.57	3	2,512.01
1/4	57.37	1/4	330.80	1/4	604.22	1/4	876.93	1/4	1,150.40	1/4	1,423.87	1/4	1,697.34	1/4	1,970.81	1/4	2,244.27	1/4	2,517.71
1/2	63.06	1/2	336.50	1/2	609.91	1/2	882.63	1/2	1,156.10	1/2	1,429.57	1/2	1,703.04	1/2	1,976.50	1/2	2,249.96	1/2	2,523.41
3/4	68.76	3/4	342.19	3/4	615.61	3/4	888.32	3/4	1,161.79	3/4	1,435.26	3/4	1,708.73	3/4	1,982.20	3/4	2,255.66	3/4	2,529.10
4	74.45	4	347.89	4	621.30	4	894.02	4	1,167.49	4	1,440.96	4	1,714.43	4	1,987.89	4	2,261.35	4	2,534.80
1/4	80.15	1/4	353.59	1/4	626.98	1/4	899.72	1/4	1,173.19	1/4	1,446.66	1/4	1,720.13	1/4	1,993.59	1/4	2,267.05	1/4	2,540.50
1/2	85.85	1/2	359.28	1/2	632.66	1/2	905.42	1/2	1,178.89	1/2	1,452.36	1/2	1,725.83	1/2	1,999.29	1/2	2,272.75	1/2	2,546.19
3/4	91.54	3/4	364.98	3/4	638.33	3/4	911.11	3/4	1,184.58	3/4	1,458.05	3/4	1,731.52	3/4	2,004.98	3/4	2,278.44	3/4	2,551.89
5	97.24	5	370.67	5	644.01	5	916.81	5	1,190.28	5	1,463.75	5	1,737.22	5	2,010.68	5	2,284.14	5	2,557.58
1/4	102.94	1/4	376.37	1/4	649.69	1/4	922.51	1/4	1,195.98	1/4	1,469.45	1/4	1,742.92	1/4	2,016.38	1/4	2,289.84	1/4	2,563.28
1/2	108.63	1/2	382.07	1/2	655.37	1/2	928.21	1/2	1,201.68	1/2	1,475.15	1/2	1,748.62	1/2	2,022.08	1/2	2,295.54	1/2	2,568.98
3/4	114.33	3/4	387.76	3/4	661.04	3/4	933.90	3/4	1,207.37	3/4	1,480.84	3/4	1,754.31	3/4	2,027.77	3/4	2,301.23	3/4	2,574.67
6	120.02	6	393.46	6	666.72	6	939.60	6	1,213.07	6	1,486.54	6	1,760.01	6	2,033.47	6	2,306.93	6	2,580.37
1/4	125.72	1/4	399.16	1/4	672.40	1/4	945.30	1/4	1,218.77	1/4	1,492.24	1/4	1,765.71	1/4	2,039.17	1/4	2,312.63	1/4	2,586.07
1/2	131.42	1/2	404.86	1/2	678.08	1/2	951.00	1/2	1,224.47	1/2	1,497.94	1/2	1,771.41	1/2	2,044.87	1/2	2,318.33	1/2	2,591.77
3/4	137.11	3/4	410.55	3/4	683.75	3/4	956.69	3/4	1,230.16	3/4	1,503.63	3/4	1,777.10	3/4	2,050.56	3/4	2,324.02	3/4	2,597.46
7	142.81	7	416.25	7	689.43	7	962.39	7	1,235.86	7	1,509.33	7	1,782.80	7	2,056.26	7	2,329.72	7	2,603.16
1/4	148.51	1/4	421.95	1/4	695.11	1/4	968.09	1/4	1,241.56	1/4	1,515.03	1/4	1,788.50	1/4	2,061.96	1/4	2,335.42	1/4	2,608.86
1/2	154.21	1/2	427.64	1/2	700.79	1/2	973.79	1/2	1,247.26	1/2	1,520.73	1/2	1,794.20	1/2	2,067.66	1/2	2,341.12	1/2	2,614.55
3/4	159.90	3/4	433.34	3/4	706.46	3/4	979.48	3/4	1,252.95	3/4	1,526.42	3/4	1,799.89	3/4	2,073.35	3/4	2,346.81	3/4	2,620.25
8	165.60	8	439.03	8	712.14	8	985.18	8	1,258.65	8	1,532.12	8	1,805.59	8	2,079.05	8	2,352.51	8	2,625.94
1/4	171.30	1/4	444.73	1/4	717.82	1/4	990.88	1/4	1,264.35	1/4	1,537.82	1/4	1,811.29	1/4	2,084.75	1/4	2,358.21	1/4	2,631.64
1/2	176.99	1/2	450.43	1/2	723.50	1/2	996.58	1/2	1,270.05	1/2	1,543.52	1/2	1,816.99	1/2	2,090.45	1/2	2,363.91	1/2	2,637.34
3/4	182.69	3/4	456.12	3/4	729.17	3/4	1,002.27	3/4	1,275.74	3/4	1,549.21	3/4	1,822.68	3/4	2,096.14	3/4	2,369.60	3/4	2,643.03
9	188.38	9	461.82	9	734.85	9	1,007.97	9	1,281.44	9	1,554.91	9	1,828.38	9	2,101.84	9	2,375.30	9	2,648.73
1/4	194.08	1/4	467.52	1/4	740.53	1/4	1,013.67	1/4	1,287.14	1/4	1,560.61	1/4	1,834.08	1/4	2,107.54	1/4	2,381.00	1/4	2,654.43
1/2	199.78	1/2	473.21	1/2	746.21	1/2	1,019.37	1/2	1,292.84	1/2	1,566.31	1/2	1,839.77	1/2	2,113.23	1/2	2,386.69	1/2	2,660.12
3/4	205.47	3/4	478.91	3/4	751.88	3/4	1,025.06	3/4	1,298.53	3/4	1,572.00	3/4	1,845.47	3/4	2,118.93	3/4	2,392.39	3/4	2,665.82
10	211.17	10	484.60	10	757.56	10	1,030.76	10	1,304.23	10	1,577.70	10	1,851.16	10	2,124.62	10	2,398.08	10	2,671.51
1/4	216.87	1/4	490.30	1/4	763.24	1/4	1,036.46	1/4	1,309.93	1/4	1,583.40	1/4	1,856.86	1/4	2,130.32	1/4	2,403.78	1/4	2,677.21
1/2	222.57	1/2	495.99	1/2	768.92	1/2	1,042.15	1/2	1,315.63	1/2	1,589.10	1/2	1,862.56	1/2	2,136.02	1/2	2,409.48	1/2	2,682.91
3/4	228.26	3/4	501.69	3/4	774.59	3/4	1,047.85	3/4	1,321.32	3/4	1,594.79	3/4	1,868.25	3/4	2,141.71	3/4	2,415.17	3/4	2,688.60
11	233.96	11	507.39	11	780.27	11	1,053.54	11	1,327.02	11	1,600.49	11	1,873.95	11	2,147.41	11	2,420.87	11	2,694.30
1/4	239.66	1/4	513.09	1/4	785.95	1/4	1,059.24	1/4	1,332.72	1/4	1,606.19	1/4	1,879.65	1/4	2,153.11	1/4	2,426.57	1/4	2,700.00
1/2	245.35	1/2	518.79	1/2	791.63	1/2	1,064.94	1/2	1,338.42	1/2	1,611.89	1/2	1,885.35	1/2	2,158.81	1/2	2,432.26	1/2	2,705.69
3/4	251.05	3/4	524.48	3/4	797.30	3/4	1,070.63	3/4	1,344.11	3/4	1,617.58	3/4	1,891.04	3/4	2,164.50	3/4	2,437.96	3/4	2,711.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "KIRBY 11401"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1016

GAUGE HEIGHT 16'-01"

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	2,717.08	0	2,990.51	0	3,239.68	0	3,485.37	0	3,731.07	0		0		0		0		0	
1/4	2,722.78	1/4	2,996.21	1/4	3,244.80	1/4	3,490.49	1/4	3,736.19	1/4		1/4		1/4		1/4		1/4	
1/2	2,728.48	1/2	3,001.91	1/2	3,249.92	1/2	3,495.61	1/2	3,741.31	1/2		1/2		1/2		1/2		1/2	
3/4	2,734.17	3/4	3,007.60	3/4	3,255.03	3/4	3,500.73	3/4	3,746.43	3/4		3/4		3/4		3/4		3/4	
1	2,739.87	1	3,013.30	1	3,260.15	1	3,505.85	1	3,751.55	1		1		1		1		1	
1/4	2,745.57	1/4	3,018.71	1/4	3,265.27	1/4	3,510.97	1/4	3,756.67	1/4		1/4		1/4		1/4		1/4	
1/2	2,751.27	1/2	3,024.12	1/2	3,270.39	1/2	3,516.09	1/2	3,761.79	1/2		1/2		1/2		1/2		1/2	
3/4	2,756.96	3/4	3,029.52	3/4	3,275.51	3/4	3,521.20	3/4	3,766.90	3/4		3/4		3/4		3/4		3/4	
2	2,762.66	2	3,034.93	2	3,280.63	2	3,526.32	2	3,772.02	2		2		2		2		2	
1/4	2,768.36	1/4	3,040.05	1/4	3,285.75	1/4	3,531.44	1/4	3,777.14	1/4		1/4		1/4		1/4		1/4	
1/2	2,774.05	1/2	3,045.17	1/2	3,290.87	1/2	3,536.56	1/2	3,782.26	1/2		1/2		1/2		1/2		1/2	
3/4	2,779.75	3/4	3,050.28	3/4	3,295.98	3/4	3,541.68	3/4	3,787.38	3/4		3/4		3/4		3/4		3/4	
3	2,785.44	3	3,055.40	3	3,301.10	3	3,546.80	3	3,792.50	3		3		3		3		3	
1/4	2,791.14	1/4	3,060.52	1/4	3,306.22	1/4	3,551.92	1/4	3,797.62	1/4		1/4		1/4		1/4		1/4	
1/2	2,796.84	1/2	3,065.64	1/2	3,311.34	1/2	3,557.04	1/2	3,802.74	1/2		1/2		1/2		1/2		1/2	
3/4	2,802.53	3/4	3,070.76	3/4	3,316.46	3/4	3,562.15	3/4	3,807.85	3/4		3/4		3/4		3/4		3/4	
4	2,808.23	4	3,075.88	4	3,321.58	4	3,567.27	4	3,812.97	4		4		4		4		4	
1/4	2,813.93	1/4	3,081.00	1/4	3,326.70	1/4	3,572.39	1/4	3,818.09	1/4		1/4		1/4		1/4		1/4	
1/2	2,819.62	1/2	3,086.12	1/2	3,331.82	1/2	3,577.51	1/2	3,823.21	1/2		1/2		1/2		1/2		1/2	
3/4	2,825.32	3/4	3,091.23	3/4	3,336.93	3/4	3,582.63	3/4	3,828.32	3/4		3/4		3/4		3/4		3/4	
5	2,831.01	5	3,096.35	5	3,342.05	5	3,587.75	5	3,833.44	5		5		5		5		5	
1/4	2,836.71	1/4	3,101.47	1/4	3,347.17	1/4	3,592.87	1/4	3,838.08	1/4		1/4		1/4		1/4		1/4	
1/2	2,842.41	1/2	3,106.59	1/2	3,352.29	1/2	3,597.99	1/2	3,842.72	1/2		1/2		1/2		1/2		1/2	
3/4	2,848.10	3/4	3,111.71	3/4	3,357.41	3/4	3,603.10	3/4	3,847.36	3/4		3/4		3/4		3/4		3/4	
6	2,853.80	6	3,116.83	6	3,362.53	6	3,608.22	6	3,852.00	6		6		6		6		6	
1/4	2,859.50	1/4	3,121.95	1/4	3,367.65	1/4	3,613.34	1/4	3,854.99	1/4		1/4		1/4		1/4		1/4	
1/2	2,865.19	1/2	3,127.07	1/2	3,372.77	1/2	3,618.46	1/2	3,857.98	1/2		1/2		1/2		1/2		1/2	
3/4	2,870.89	3/4	3,132.18	3/4	3,377.88	3/4	3,623.58	3/4	3,860.96	3/4		3/4		3/4		3/4		3/4	
7	2,876.58	7	3,137.30	7	3,383.00	7	3,628.70	7	3,863.95	7		7		7		7		7	
1/4	2,882.28	1/4	3,142.42	1/4	3,388.12	1/4	3,633.82	1/4	3,865.23	1/4		1/4		1/4		1/4		1/4	
1/2	2,887.98	1/2	3,147.54	1/2	3,393.24	1/2	3,638.94	1/2	3,866.51	1/2		1/2		1/2		1/2		1/2	
3/4	2,893.67	3/4	3,152.66	3/4	3,398.36	3/4	3,644.05	3/4	3,867.79	3/4		3/4		3/4		3/4		3/4	
8	2,899.37	8	3,157.78	8	3,403.48	8	3,649.17	8	3,869.07	8		8		8		8		8	
1/4	2,905.07	1/4	3,162.90	1/4	3,408.60	1/4	3,654.29	1/4	3,869.28	1/4		1/4		1/4		1/4		1/4	
1/2	2,910.77	1/2	3,168.02	1/2	3,413.72	1/2	3,659.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,916.46	3/4	3,173.13	3/4	3,418.83	3/4	3,664.53	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,922.16	9	3,178.25	9	3,423.95	9	3,669.65	9		9		9		9		9		9	
1/4	2,927.86	1/4	3,183.37	1/4	3,429.07	1/4	3,674.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,933.55	1/2	3,188.49	1/2	3,434.19	1/2	3,679.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,939.25	3/4	3,193.61	3/4	3,439.30	3/4	3,685.00	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,944.94	10	3,198.73	10	3,444.42	10	3,690.12	10		10		10		10		10		10	
1/4	2,950.64	1/4	3,203.85	1/4	3,449.54	1/4	3,695.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,956.34	1/2	3,208.97	1/2	3,454.66	1/2	3,700.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,962.03	3/4	3,214.08	3/4	3,459.78	3/4	3,705.48	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,967.73	11	3,219.20	11	3,464.90	11	3,710.60	11		11		11		11		11		11	
1/4	2,973.43	1/4	3,224.32	1/4	3,470.02	1/4	3,715.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,979.12	1/2	3,229.44	1/2	3,475.14	1/2	3,720.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,984.82	3/4	3,234.56	3/4	3,480.25	3/4	3,725.95	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/02/2008 INT
CALCULATED: 12/08/2008 WHF
NAME CHANGE: 12/12/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023



BARGE "KIRBY 11401"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1016

GAUGE HEIGHT 16'-01 1/4"

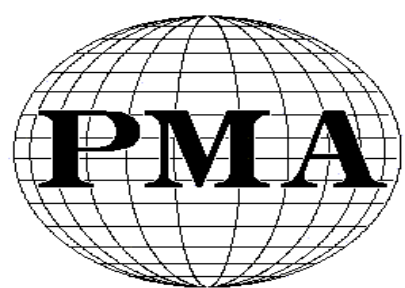
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.92	0	231.73	0	481.26	0	730.16	0	979.61	0	1,229.17	0	1,478.74	0	1,728.30	0	1,977.85	0	2,227.40
1/4	2.65	1/4	236.93	1/4	486.46	1/4	735.34	1/4	984.81	1/4	1,234.37	1/4	1,483.94	1/4	1,733.50	1/4	1,983.05	1/4	2,232.60
1/2	4.39	1/2	242.13	1/2	491.65	1/2	740.52	1/2	990.00	1/2	1,239.57	1/2	1,489.14	1/2	1,738.70	1/2	1,988.25	1/2	2,237.80
3/4	6.12	3/4	247.33	3/4	496.85	3/4	745.70	3/4	995.20	3/4	1,244.77	3/4	1,494.34	3/4	1,743.90	3/4	1,993.45	3/4	2,243.00
1	7.85	1	252.53	1	502.05	1	750.88	1	1,000.40	1	1,249.97	1	1,499.54	1	1,749.10	1	1,998.65	1	2,248.20
1/4	11.84	1/4	257.73	1/4	507.25	1/4	756.07	1/4	1,005.60	1/4	1,255.17	1/4	1,504.74	1/4	1,754.30	1/4	2,003.85	1/4	2,253.40
1/2	15.82	1/2	262.93	1/2	512.44	1/2	761.26	1/2	1,010.80	1/2	1,260.37	1/2	1,509.94	1/2	1,759.50	1/2	2,009.05	1/2	2,258.60
3/4	19.81	3/4	268.12	3/4	517.64	3/4	766.45	3/4	1,016.00	3/4	1,265.57	3/4	1,515.13	3/4	1,764.69	3/4	2,014.25	3/4	2,263.79
2	23.79	2	273.32	2	522.84	2	771.64	2	1,021.20	2	1,270.77	2	1,520.33	2	1,769.89	2	2,019.45	2	2,268.99
1/4	28.99	1/4	278.52	1/4	528.04	1/4	776.84	1/4	1,026.40	1/4	1,275.97	1/4	1,525.53	1/4	1,775.09	1/4	2,024.65	1/4	2,274.19
1/2	34.19	1/2	283.72	1/2	533.23	1/2	782.03	1/2	1,031.60	1/2	1,281.17	1/2	1,530.73	1/2	1,780.29	1/2	2,029.85	1/2	2,279.39
3/4	39.38	3/4	288.91	3/4	538.43	3/4	787.23	3/4	1,036.80	3/4	1,286.37	3/4	1,535.93	3/4	1,785.49	3/4	2,035.04	3/4	2,284.58
3	44.58	3	294.11	3	543.63	3	792.43	3	1,042.00	3	1,291.57	3	1,541.13	3	1,790.69	3	2,040.24	3	2,289.78
1/4	49.78	1/4	299.31	1/4	548.83	1/4	797.63	1/4	1,047.20	1/4	1,296.77	1/4	1,546.33	1/4	1,795.89	1/4	2,045.44	1/4	2,294.98
1/2	54.98	1/2	304.51	1/2	554.02	1/2	802.83	1/2	1,052.40	1/2	1,301.97	1/2	1,551.53	1/2	1,801.09	1/2	2,050.64	1/2	2,300.18
3/4	60.18	3/4	309.71	3/4	559.22	3/4	808.03	3/4	1,057.60	3/4	1,307.16	3/4	1,556.73	3/4	1,806.28	3/4	2,055.84	3/4	2,305.38
4	65.38	4	314.91	4	564.42	4	813.23	4	1,062.80	4	1,312.36	4	1,561.93	4	1,811.48	4	2,061.04	4	2,310.58
1/4	70.58	1/4	320.11	1/4	569.60	1/4	818.43	1/4	1,068.00	1/4	1,317.56	1/4	1,567.13	1/4	1,816.68	1/4	2,066.24	1/4	2,315.78
1/2	75.78	1/2	325.31	1/2	574.78	1/2	823.63	1/2	1,073.20	1/2	1,322.76	1/2	1,572.33	1/2	1,821.88	1/2	2,071.44	1/2	2,320.98
3/4	80.97	3/4	330.50	3/4	579.96	3/4	828.83	3/4	1,078.39	3/4	1,327.96	3/4	1,577.52	3/4	1,827.08	3/4	2,076.64	3/4	2,326.17
5	86.17	5	335.70	5	585.14	5	834.03	5	1,083.59	5	1,333.16	5	1,582.72	5	1,832.28	5	2,081.84	5	2,331.37
1/4	91.37	1/4	340.90	1/4	590.32	1/4	839.23	1/4	1,088.79	1/4	1,338.36	1/4	1,587.92	1/4	1,837.48	1/4	2,087.04	1/4	2,336.57
1/2	96.57	1/2	346.10	1/2	595.49	1/2	844.42	1/2	1,093.99	1/2	1,343.56	1/2	1,593.12	1/2	1,842.68	1/2	2,092.24	1/2	2,341.77
3/4	101.77	3/4	351.30	3/4	600.67	3/4	849.62	3/4	1,099.19	3/4	1,348.76	3/4	1,598.32	3/4	1,847.88	3/4	2,097.43	3/4	2,346.96
6	106.97	6	356.50	6	605.85	6	854.82	6	1,104.39	6	1,353.96	6	1,603.52	6	1,853.08	6	2,102.63	6	2,352.16
1/4	112.17	1/4	361.70	1/4	611.03	1/4	860.02	1/4	1,109.59	1/4	1,359.16	1/4	1,608.72	1/4	1,858.28	1/4	2,107.83	1/4	2,357.36
1/2	117.37	1/2	366.90	1/2	616.21	1/2	865.22	1/2	1,114.79	1/2	1,364.36	1/2	1,613.92	1/2	1,863.48	1/2	2,113.03	1/2	2,362.56
3/4	122.56	3/4	372.09	3/4	621.39	3/4	870.42	3/4	1,119.99	3/4	1,369.55	3/4	1,619.12	3/4	1,868.67	3/4	2,118.23	3/4	2,367.76
7	127.76	7	377.29	7	626.57	7	875.62	7	1,125.19	7	1,374.75	7	1,624.32	7	1,873.87	7	2,123.43	7	2,372.96
1/4	132.96	1/4	382.49	1/4	631.75	1/4	880.82	1/4	1,130.39	1/4	1,379.95	1/4	1,629.52	1/4	1,879.07	1/4	2,128.63	1/4	2,378.16
1/2	138.16	1/2	387.69	1/2	636.93	1/2	886.02	1/2	1,135.59	1/2	1,385.15	1/2	1,634.72	1/2	1,884.27	1/2	2,133.83	1/2	2,383.36
3/4	143.35	3/4	392.88	3/4	642.11	3/4	891.22	3/4	1,140.79	3/4	1,390.35	3/4	1,639.91	3/4	1,889.47	3/4	2,139.02	3/4	2,388.55
8	148.55	8	398.08	8	647.29	8	896.42	8	1,145.99	8	1,395.55	8	1,645.11	8	1,894.67	8	2,144.22	8	2,393.75
1/4	153.75	1/4	403.28	1/4	652.47	1/4	901.62	1/4	1,151.19	1/4	1,400.75	1/4	1,650.31	1/4	1,899.87	1/4	2,149.42	1/4	2,398.95
1/2	158.95	1/2	408.48	1/2	657.65	1/2	906.82	1/2	1,156.39	1/2	1,405.95	1/2	1,655.51	1/2	1,905.07	1/2	2,154.62	1/2	2,404.15
3/4	164.15	3/4	413.68	3/4	662.83	3/4	912.02	3/4	1,161.58	3/4	1,411.15	3/4	1,660.71	3/4	1,910.27	3/4	2,159.82	3/4	2,409.35
9	169.35	9	418.88	9	668.01	9	917.22	9	1,166.78	9	1,416.35	9	1,665.91	9	1,915.47	9	2,165.02	9	2,414.55
1/4	174.55	1/4	424.08	1/4	673.19	1/4	922.42	1/4	1,171.98	1/4	1,421.55	1/4	1,671.11	1/4	1,920.67	1/4	2,170.22	1/4	2,419.75
1/2	179.75	1/2	429.27	1/2	678.36	1/2	927.61	1/2	1,177.18	1/2	1,426.75	1/2	1,676.31	1/2	1,925.87	1/2	2,175.42	1/2	2,424.95
3/4	184.94	3/4	434.47	3/4	683.54	3/4	932.81	3/4	1,182.38	3/4	1,431.94	3/4	1,681.51	3/4	1,931.06	3/4	2,180.61	3/4	2,430.14
10	190.14	10	439.67	10	688.72	10	938.01	10	1,187.58	10	1,437.14	10	1,686.71	10	1,936.26	10	2,185.81	10	2,435.34
1/4	195.34	1/4	444.87	1/4	693.90	1/4	943.21	1/4	1,192.78	1/4	1,442.34	1/4	1,691.91	1/4	1,941.46	1/4	2,191.01	1/4	2,440.54
1/2	200.54	1/2	450.07	1/2	699.08	1/2	948.41	1/2	1,197.98	1/2	1,447.54	1/2	1,697.11	1/2	1,946.66	1/2	2,196.21	1/2	2,445.74
3/4	205.74	3/4	455.27	3/4	704.26	3/4	953.61	3/4	1,203.18	3/4	1,452.74	3/4	1,702.30	3/4	1,951.86	3/4	2,201.41	3/4	2,450.93
11	210.94	11	460.47	11	709.44	11	958.81	11	1,208.38	11	1,457.94	11	1,707.50	11	1,957.06	11	2,206.61	11	2,456.13
1/4	216.14	1/4	465.67	1/4	714.62	1/4	964.01	1/4	1,213.58	1/4	1,463.14	1/4	1,712.70	1/4	1,962.26	1/4	2,211.81	1/4	2,461.33
1/2	221.34	1/2	470.86	1/2	719.80	1/2	969.21	1/2	1,218.78	1/2	1,468.34	1/2	1,717.90	1/2	1,967.46	1/2	2,217.01	1/2	2,466.53
3/4	226.53	3/4	476.06	3/4	724.98	3/4	974.41	3/4	1,223.97	3/4	1,473.54	3/4	1,723.10	3/4	1,972.65	3/4	2,222.20	3/4	2,471.73

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 11401"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1016

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	2,476.93	0	2,726.45	0	2,975.98	0	3,225.50	0	3,475.03	0		0		0		0		0	
1/4	2,482.13	1/4	2,731.65	1/4	2,981.18	1/4	3,230.70	1/4	3,480.23	1/4		1/4		1/4		1/4		1/4	
1/2	2,487.33	1/2	2,736.85	1/2	2,986.38	1/2	3,235.90	1/2	3,485.43	1/2		1/2		1/2		1/2		1/2	
3/4	2,492.52	3/4	2,742.05	3/4	2,991.57	3/4	3,241.10	3/4	3,490.62	3/4		3/4		3/4		3/4		3/4	
1	2,497.72	1	2,747.25	1	2,996.77	1	3,246.30	1	3,495.82	1		1		1		1		1	
1/4	2,502.92	1/4	2,752.45	1/4	3,001.97	1/4	3,251.50	1/4	3,501.02	1/4		1/4		1/4		1/4		1/4	
1/2	2,508.12	1/2	2,757.65	1/2	3,007.17	1/2	3,256.70	1/2	3,506.22	1/2		1/2		1/2		1/2		1/2	
3/4	2,513.31	3/4	2,762.84	3/4	3,012.36	3/4	3,261.89	3/4	3,511.41	3/4		3/4		3/4		3/4		3/4	
2	2,518.51	2	2,768.04	2	3,017.56	2	3,267.09	2	3,516.61	2		2		2		2		2	
1/4	2,523.71	1/4	2,773.24	1/4	3,022.76	1/4	3,272.29	1/4	3,521.81	1/4		1/4		1/4		1/4		1/4	
1/2	2,528.91	1/2	2,778.44	1/2	3,027.96	1/2	3,277.49	1/2	3,527.01	1/2		1/2		1/2		1/2		1/2	
3/4	2,534.11	3/4	2,783.63	3/4	3,033.16	3/4	3,282.68	3/4	3,532.21	3/4		3/4		3/4		3/4		3/4	
3	2,539.31	3	2,788.83	3	3,038.36	3	3,287.88	3	3,537.41	3		3		3		3		3	
1/4	2,544.51	1/4	2,794.03	1/4	3,043.56	1/4	3,293.08	1/4	3,542.61	1/4		1/4		1/4		1/4		1/4	
1/2	2,549.71	1/2	2,799.23	1/2	3,048.76	1/2	3,298.28	1/2	3,547.81	1/2		1/2		1/2		1/2		1/2	
3/4	2,554.90	3/4	2,804.43	3/4	3,053.95	3/4	3,303.48	3/4	3,553.00	3/4		3/4		3/4		3/4		3/4	
4	2,560.10	4	2,809.63	4	3,059.15	4	3,308.68	4	3,558.20	4		4		4		4		4	
1/4	2,565.30	1/4	2,814.83	1/4	3,064.35	1/4	3,313.88	1/4	3,563.40	1/4		1/4		1/4		1/4		1/4	
1/2	2,570.50	1/2	2,820.03	1/2	3,069.55	1/2	3,319.08	1/2	3,568.60	1/2		1/2		1/2		1/2		1/2	
3/4	2,575.70	3/4	2,825.22	3/4	3,074.75	3/4	3,324.27	3/4	3,573.79	3/4		3/4		3/4		3/4		3/4	
5	2,580.90	5	2,830.42	5	3,079.95	5	3,329.47	5	3,578.99	5		5		5		5		5	
1/4	2,586.10	1/4	2,835.62	1/4	3,085.15	1/4	3,334.67	1/4	3,583.97	1/4		1/4		1/4		1/4		1/4	
1/2	2,591.30	1/2	2,840.82	1/2	3,090.35	1/2	3,339.87	1/2	3,588.96	1/2		1/2		1/2		1/2		1/2	
3/4	2,596.49	3/4	2,846.01	3/4	3,095.54	3/4	3,345.06	3/4	3,593.94	3/4		3/4		3/4		3/4		3/4	
6	2,601.69	6	2,851.21	6	3,100.74	6	3,350.26	6	3,598.92	6		6		6		6		6	
1/4	2,606.89	1/4	2,856.41	1/4	3,105.94	1/4	3,355.46	1/4	3,602.39	1/4		1/4		1/4		1/4		1/4	
1/2	2,612.09	1/2	2,861.61	1/2	3,111.14	1/2	3,360.66	1/2	3,605.86	1/2		1/2		1/2		1/2		1/2	
3/4	2,617.28	3/4	2,866.81	3/4	3,116.33	3/4	3,365.86	3/4	3,609.32	3/4		3/4		3/4		3/4		3/4	
7	2,622.48	7	2,872.01	7	3,121.53	7	3,371.06	7	3,612.79	7		7		7		7		7	
1/4	2,627.68	1/4	2,877.21	1/4	3,126.73	1/4	3,376.26	1/4	3,614.52	1/4		1/4		1/4		1/4		1/4	
1/2	2,632.88	1/2	2,882.41	1/2	3,131.93	1/2	3,381.46	1/2	3,616.26	1/2		1/2		1/2		1/2		1/2	
3/4	2,638.08	3/4	2,887.60	3/4	3,137.13	3/4	3,386.65	3/4	3,617.99	3/4		3/4		3/4		3/4		3/4	
8	2,643.28	8	2,892.80	8	3,142.33	8	3,391.85	8	3,619.72	8		8		8		8		8	
1/4	2,648.48	1/4	2,898.00	1/4	3,147.53	1/4	3,397.05	1/4	3,620.37	1/4		1/4		1/4		1/4		1/4	
1/2	2,653.68	1/2	2,903.20	1/2	3,152.73	1/2	3,402.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,658.87	3/4	2,908.40	3/4	3,157.92	3/4	3,407.45	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,664.07	9	2,913.60	9	3,163.12	9	3,412.65	9		9		9		9		9		9	
1/4	2,669.27	1/4	2,918.80	1/4	3,168.32	1/4	3,417.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,674.47	1/2	2,924.00	1/2	3,173.52	1/2	3,423.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,679.66	3/4	2,929.19	3/4	3,178.71	3/4	3,428.24	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,684.86	10	2,934.39	10	3,183.91	10	3,433.44	10		10		10		10		10		10	
1/4	2,690.06	1/4	2,939.59	1/4	3,189.11	1/4	3,438.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,695.26	1/2	2,944.79	1/2	3,194.31	1/2	3,443.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,700.46	3/4	2,949.98	3/4	3,199.51	3/4	3,449.03	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,705.66	11	2,955.18	11	3,204.71	11	3,454.23	11		11		11		11		11		11	
1/4	2,710.86	1/4	2,960.38	1/4	3,209.91	1/4	3,459.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,716.06	1/2	2,965.58	1/2	3,215.11	1/2	3,464.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,721.25	3/4	2,970.78	3/4	3,220.30	3/4	3,469.83	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/02/2008 INT
CALCULATED: 12/08/2008 WHF
NAME CHANGE: 12/12/2023 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023



BARGE "KIRBY 11401"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1016

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	230.59	0	478.88	0	726.55	0	974.76	0	1,223.09	0	1,471.42	0	1,719.75	0	1,968.07	0	2,216.38
1/4	2.64	1/4	235.76	1/4	484.05	1/4	731.70	1/4	979.93	1/4	1,228.27	1/4	1,476.59	1/4	1,724.92	1/4	1,973.24	1/4	2,221.55
1/2	4.37	1/2	240.94	1/2	489.23	1/2	736.86	1/2	985.11	1/2	1,233.44	1/2	1,481.76	1/2	1,730.09	1/2	1,978.41	1/2	2,226.72
3/4	6.09	3/4	246.11	3/4	494.40	3/4	742.01	3/4	990.28	3/4	1,238.62	3/4	1,486.94	3/4	1,735.27	3/4	1,983.59	3/4	2,231.90
1	7.81	1	251.28	1	499.57	1	747.16	1	995.45	1	1,243.79	1	1,492.11	1	1,740.44	1	1,988.76	1	2,237.07
1/4	11.78	1/4	256.45	1/4	504.74	1/4	752.33	1/4	1,000.63	1/4	1,248.96	1/4	1,497.28	1/4	1,745.61	1/4	1,993.93	1/4	2,242.24
1/2	15.74	1/2	261.63	1/2	509.91	1/2	757.49	1/2	1,005.80	1/2	1,254.14	1/2	1,502.46	1/2	1,750.78	1/2	1,999.10	1/2	2,247.41
3/4	19.71	3/4	266.80	3/4	515.08	3/4	762.66	3/4	1,010.98	3/4	1,259.31	3/4	1,507.63	3/4	1,755.96	3/4	2,004.28	3/4	2,252.59
2	23.67	2	271.97	2	520.25	2	767.82	2	1,016.15	2	1,264.48	2	1,512.81	2	1,761.13	2	2,009.45	2	2,257.76
1/4	28.85	1/4	277.14	1/4	525.42	1/4	772.99	1/4	1,021.32	1/4	1,269.65	1/4	1,517.98	1/4	1,766.30	1/4	2,014.62	1/4	2,262.93
1/2	34.02	1/2	282.32	1/2	530.60	1/2	778.17	1/2	1,026.50	1/2	1,274.83	1/2	1,523.15	1/2	1,771.48	1/2	2,019.80	1/2	2,268.10
3/4	39.20	3/4	287.49	3/4	535.77	3/4	783.34	3/4	1,031.67	3/4	1,280.00	3/4	1,528.33	3/4	1,776.65	3/4	2,024.97	3/4	2,273.28
3	44.37	3	292.66	3	540.94	3	788.51	3	1,036.84	3	1,285.17	3	1,533.50	3	1,781.83	3	2,030.15	3	2,278.45
1/4	49.54	1/4	297.83	1/4	546.11	1/4	793.68	1/4	1,042.02	1/4	1,290.35	1/4	1,538.67	1/4	1,787.00	1/4	2,035.32	1/4	2,283.62
1/2	54.72	1/2	303.01	1/2	551.29	1/2	798.86	1/2	1,047.19	1/2	1,295.52	1/2	1,543.85	1/2	1,792.17	1/2	2,040.49	1/2	2,288.79
3/4	59.89	3/4	308.18	3/4	556.46	3/4	804.03	3/4	1,052.37	3/4	1,300.70	3/4	1,549.02	3/4	1,797.35	3/4	2,045.67	3/4	2,293.97
4	65.06	4	313.35	4	561.63	4	809.20	4	1,057.54	4	1,305.87	4	1,554.20	4	1,802.52	4	2,050.84	4	2,299.14
1/4	70.23	1/4	318.52	1/4	566.78	1/4	814.38	1/4	1,062.71	1/4	1,311.04	1/4	1,559.37	1/4	1,807.69	1/4	2,056.01	1/4	2,304.31
1/2	75.41	1/2	323.70	1/2	571.94	1/2	819.55	1/2	1,067.89	1/2	1,316.22	1/2	1,564.54	1/2	1,812.86	1/2	2,061.18	1/2	2,309.48
3/4	80.58	3/4	328.87	3/4	577.09	3/4	824.73	3/4	1,073.06	3/4	1,321.39	3/4	1,569.72	3/4	1,818.04	3/4	2,066.36	3/4	2,314.66
5	85.75	5	334.04	5	582.24	5	829.90	5	1,078.23	5	1,326.56	5	1,574.89	5	1,823.21	5	2,071.53	5	2,319.83
1/4	90.92	1/4	339.21	1/4	587.40	1/4	835.07	1/4	1,083.40	1/4	1,331.74	1/4	1,580.06	1/4	1,828.38	1/4	2,076.70	1/4	2,325.00
1/2	96.10	1/2	344.39	1/2	592.55	1/2	840.25	1/2	1,088.58	1/2	1,336.91	1/2	1,585.24	1/2	1,833.56	1/2	2,081.88	1/2	2,330.17
3/4	101.27	3/4	349.56	3/4	597.71	3/4	845.42	3/4	1,093.75	3/4	1,342.09	3/4	1,590.41	3/4	1,838.73	3/4	2,087.05	3/4	2,335.35
6	106.44	6	354.73	6	602.86	6	850.59	6	1,098.92	6	1,347.26	6	1,595.59	6	1,843.91	6	2,092.23	6	2,340.52
1/4	111.61	1/4	359.91	1/4	608.01	1/4	855.77	1/4	1,104.10	1/4	1,352.43	1/4	1,600.76	1/4	1,849.08	1/4	2,097.40	1/4	2,345.69
1/2	116.79	1/2	365.08	1/2	613.17	1/2	860.94	1/2	1,109.27	1/2	1,357.61	1/2	1,605.93	1/2	1,854.25	1/2	2,102.57	1/2	2,350.87
3/4	121.96	3/4	370.26	3/4	618.32	3/4	866.12	3/4	1,114.45	3/4	1,362.78	3/4	1,611.11	3/4	1,859.43	3/4	2,107.75	3/4	2,356.04
7	127.13	7	375.43	7	623.47	7	871.29	7	1,119.62	7	1,367.95	7	1,616.28	7	1,864.60	7	2,112.92	7	2,361.22
1/4	132.30	1/4	380.60	1/4	628.63	1/4	876.46	1/4	1,124.79	1/4	1,373.12	1/4	1,621.45	1/4	1,869.77	1/4	2,118.09	1/4	2,366.39
1/2	137.48	1/2	385.78	1/2	633.78	1/2	881.64	1/2	1,129.97	1/2	1,378.30	1/2	1,626.62	1/2	1,874.94	1/2	2,123.26	1/2	2,371.56
3/4	142.65	3/4	390.95	3/4	638.94	3/4	886.81	3/4	1,135.14	3/4	1,383.47	3/4	1,631.80	3/4	1,880.12	3/4	2,128.44	3/4	2,376.74
8	147.82	8	396.12	8	644.09	8	891.98	8	1,140.31	8	1,388.64	8	1,636.97	8	1,885.29	8	2,133.61	8	2,381.91
1/4	152.99	1/4	401.29	1/4	649.24	1/4	897.16	1/4	1,145.49	1/4	1,393.82	1/4	1,642.14	1/4	1,890.46	1/4	2,138.78	1/4	2,387.08
1/2	158.17	1/2	406.47	1/2	654.40	1/2	902.33	1/2	1,150.66	1/2	1,398.99	1/2	1,647.32	1/2	1,895.64	1/2	2,143.96	1/2	2,392.25
3/4	163.34	3/4	411.64	3/4	659.55	3/4	907.51	3/4	1,155.84	3/4	1,404.16	3/4	1,652.49	3/4	1,900.81	3/4	2,149.13	3/4	2,397.43
9	168.51	9	416.81	9	664.70	9	912.68	9	1,161.01	9	1,409.34	9	1,657.67	9	1,905.99	9	2,154.31	9	2,402.60
1/4	173.68	1/4	421.98	1/4	669.86	1/4	917.85	1/4	1,166.18	1/4	1,414.51	1/4	1,662.84	1/4	1,911.16	1/4	2,159.48	1/4	2,407.77
1/2	178.86	1/2	427.16	1/2	675.01	1/2	923.03	1/2	1,171.36	1/2	1,419.68	1/2	1,668.01	1/2	1,916.33	1/2	2,164.65	1/2	2,412.94
3/4	184.03	3/4	432.33	3/4	680.17	3/4	928.20	3/4	1,176.53	3/4	1,424.86	3/4	1,673.19	3/4	1,921.51	3/4	2,169.83	3/4	2,418.12
10	189.20	10	437.50	10	685.32	10	933.37	10	1,181.70	10	1,430.03	10	1,678.36	10	1,926.68	10	2,175.00	10	2,423.29
1/4	194.38	1/4	442.67	1/4	690.47	1/4	938.54	1/4	1,186.88	1/4	1,435.20	1/4	1,683.53	1/4	1,931.85	1/4	2,180.17	1/4	2,428.46
1/2	199.55	1/2	447.85	1/2	695.63	1/2	943.72	1/2	1,192.05	1/2	1,440.38	1/2	1,688.70	1/2	1,937.02	1/2	2,185.34	1/2	2,433.64
3/4	204.73	3/4	453.02	3/4	700.78	3/4	948.89	3/4	1,197.23	3/4	1,445.55	3/4	1,693.88	3/4	1,942.20	3/4	2,190.52	3/4	2,438.81
11	209.90	11	458.19	11	705.93	11	954.06	11	1,202.40	11	1,450.73	11	1,699.05	11	1,947.37	11	2,195.69	11	2,443.98
1/4	215.07	1/4	463.36	1/4	711.09	1/4	959.24	1/4	1,207.57	1/4	1,455.90	1/4	1,704.22	1/4	1,952.54	1/4	2,200.86	1/4	2,449.15
1/2	220.25	1/2	468.54	1/2	716.24	1/2	964.41	1/2	1,212.75	1/2	1,461.07	1/2	1,709.40	1/2	1,957.72	1/2	2,206.03	1/2	2,454.33
3/4	225.42	3/4	473.71	3/4	721.40	3/4	969.59	3/4	1,217.92	3/4	1,466.25	3/4	1,714.57	3/4	1,962.89	3/4	2,211.21	3/4	2,459.50

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 11401"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 1016

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	2,464.67	0	2,712.96	0	2,961.25	0	3,209.54	0	3,457.83	0		0		0		0		0	
1/4	2,469.84	1/4	2,718.13	1/4	2,966.42	1/4	3,214.71	1/4	3,463.00	1/4		1/4		1/4		1/4		1/4	
1/2	2,475.02	1/2	2,723.31	1/2	2,971.60	1/2	3,219.89	1/2	3,468.18	1/2		1/2		1/2		1/2		1/2	
3/4	2,480.19	3/4	2,728.48	3/4	2,976.77	3/4	3,225.06	3/4	3,473.35	3/4		3/4		3/4		3/4		3/4	
1	2,485.36	1	2,733.65	1	2,981.94	1	3,230.23	1	3,478.52	1		1		1		1		1	
1/4	2,490.53	1/4	2,738.82	1/4	2,987.11	1/4	3,235.40	1/4	3,483.69	1/4		1/4		1/4		1/4		1/4	
1/2	2,495.71	1/2	2,744.00	1/2	2,992.29	1/2	3,240.58	1/2	3,488.87	1/2		1/2		1/2		1/2		1/2	
3/4	2,500.88	3/4	2,749.17	3/4	2,997.46	3/4	3,245.75	3/4	3,494.04	3/4		3/4		3/4		3/4		3/4	
2	2,506.05	2	2,754.34	2	3,002.63	2	3,250.92	2	3,499.21	2		2		2		2		2	
1/4	2,511.22	1/4	2,759.51	1/4	3,007.80	1/4	3,256.09	1/4	3,504.38	1/4		1/4		1/4		1/4		1/4	
1/2	2,516.40	1/2	2,764.69	1/2	3,012.98	1/2	3,261.27	1/2	3,509.56	1/2		1/2		1/2		1/2		1/2	
3/4	2,521.57	3/4	2,769.86	3/4	3,018.15	3/4	3,266.44	3/4	3,514.73	3/4		3/4		3/4		3/4		3/4	
3	2,526.74	3	2,775.03	3	3,023.32	3	3,271.61	3	3,519.90	3		3		3		3		3	
1/4	2,531.91	1/4	2,780.20	1/4	3,028.49	1/4	3,276.78	1/4	3,525.07	1/4		1/4		1/4		1/4		1/4	
1/2	2,537.09	1/2	2,785.38	1/2	3,033.67	1/2	3,281.96	1/2	3,530.25	1/2		1/2		1/2		1/2		1/2	
3/4	2,542.26	3/4	2,790.55	3/4	3,038.84	3/4	3,287.13	3/4	3,535.42	3/4		3/4		3/4		3/4		3/4	
4	2,547.43	4	2,795.72	4	3,044.01	4	3,292.30	4	3,540.59	4		4		4		4		4	
1/4	2,552.60	1/4	2,800.89	1/4	3,049.18	1/4	3,297.47	1/4	3,545.76	1/4		1/4		1/4		1/4		1/4	
1/2	2,557.78	1/2	2,806.07	1/2	3,054.36	1/2	3,302.65	1/2	3,550.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,562.95	3/4	2,811.24	3/4	3,059.53	3/4	3,307.82	3/4	3,556.11	3/4		3/4		3/4		3/4		3/4	
5	2,568.12	5	2,816.41	5	3,064.70	5	3,312.99	5	3,561.28	5		5		5		5		5	
1/4	2,573.29	1/4	2,821.58	1/4	3,069.87	1/4	3,318.16	1/4	3,566.45	1/4		1/4		1/4		1/4		1/4	
1/2	2,578.47	1/2	2,826.76	1/2	3,075.05	1/2	3,323.34	1/2	3,571.62	1/2		1/2		1/2		1/2		1/2	
3/4	2,583.64	3/4	2,831.93	3/4	3,080.22	3/4	3,328.51	3/4	3,576.79	3/4		3/4		3/4		3/4		3/4	
6	2,588.81	6	2,837.10	6	3,085.39	6	3,333.68	6	3,581.96	6		6		6		6		6	
1/4	2,593.99	1/4	2,842.28	1/4	3,090.57	1/4	3,338.86	1/4	3,587.13	1/4		1/4		1/4		1/4		1/4	
1/2	2,599.16	1/2	2,847.45	1/2	3,095.74	1/2	3,344.03	1/2	3,592.30	1/2		1/2		1/2		1/2		1/2	
3/4	2,604.34	3/4	2,852.63	3/4	3,100.92	3/4	3,349.21	3/4	3,597.47	3/4		3/4		3/4		3/4		3/4	
7	2,609.51	7	2,857.80	7	3,106.09	7	3,354.38	7	3,602.64	7		7		7		7		7	
1/4	2,614.68	1/4	2,862.97	1/4	3,111.26	1/4	3,359.55	1/4	3,607.81	1/4		1/4		1/4		1/4		1/4	
1/2	2,619.86	1/2	2,868.15	1/2	3,116.44	1/2	3,364.73	1/2	3,612.98	1/2		1/2		1/2		1/2		1/2	
3/4	2,625.03	3/4	2,873.32	3/4	3,121.61	3/4	3,369.90	3/4	3,618.15	3/4		3/4		3/4		3/4		3/4	
8	2,630.20	8	2,878.49	8	3,126.78	8	3,375.07	8	3,623.32	8		8		8		8		8	
1/4	2,635.37	1/4	2,883.66	1/4	3,131.95	1/4	3,380.24	1/4	3,628.49	1/4		1/4		1/4		1/4		1/4	
1/2	2,640.55	1/2	2,888.84	1/2	3,137.13	1/2	3,385.42	1/2	3,633.66	1/2		1/2		1/2		1/2		1/2	
3/4	2,645.72	3/4	2,894.01	3/4	3,142.30	3/4	3,390.59	3/4	3,638.83	3/4		3/4		3/4		3/4		3/4	
9	2,650.89	9	2,899.18	9	3,147.47	9	3,395.76	9	3,644.00	9		9		9		9		9	
1/4	2,656.06	1/4	2,904.35	1/4	3,152.64	1/4	3,400.93	1/4	3,649.17	1/4		1/4		1/4		1/4		1/4	
1/2	2,661.24	1/2	2,909.53	1/2	3,157.82	1/2	3,406.11	1/2	3,654.34	1/2		1/2		1/2		1/2		1/2	
3/4	2,666.41	3/4	2,914.70	3/4	3,162.99	3/4	3,411.28	3/4	3,659.51	3/4		3/4		3/4		3/4		3/4	
10	2,671.58	10	2,919.87	10	3,168.16	10	3,416.45	10	3,664.68	10		10		10		10		10	
1/4	2,676.75	1/4	2,925.04	1/4	3,173.33	1/4	3,421.62	1/4	3,669.85	1/4		1/4		1/4		1/4		1/4	
1/2	2,681.93	1/2	2,930.22	1/2	3,178.51	1/2	3,426.80	1/2	3,675.02	1/2		1/2		1/2		1/2		1/2	
3/4	2,687.10	3/4	2,935.39	3/4	3,183.68	3/4	3,431.97	3/4	3,680.19	3/4		3/4		3/4		3/4		3/4	
11	2,692.27	11	2,940.56	11	3,188.85	11	3,437.14	11	3,685.36	11		11		11		11		11	
1/4	2,697.44	1/4	2,945.73	1/4	3,194.02	1/4	3,442.31	1/4	3,690.53	1/4		1/4		1/4		1/4		1/4	
1/2	2,702.62	1/2	2,950.91	1/2	3,199.20	1/2	3,447.49	1/2	3,695.70	1/2		1/2		1/2		1/2		1/2	
3/4	2,707.79	3/4	2,956.08	3/4	3,204.37	3/4	3,452.66	3/4	3,700.87	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/02/2008 INT
CALCULATED: 12/08/2008 WHF
NAME CHANGE: 12/12/2023 JS

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2023