



BARGE "KIRBY 16817"

PORT HORIZONTAL

INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "FMT 2058"

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	0.17	0	187.06	0	523.16	0	946.49	0	1,431.85	0	1,962.84	0	2,526.87	0	3,113.36	0	3,712.81	0	4,316.28
1/4	1.31	1/4	192.95	1/4	531.25	1/4	956.08	1/4	1,442.52	1/4	1,974.31	1/4	2,538.91	1/4	3,125.76	1/4	3,725.37	1/4	4,328.82
1/2	2.44	1/2	198.83	1/2	539.35	1/2	965.66	1/2	1,453.20	1/2	1,985.79	1/2	2,550.95	1/2	3,138.16	1/2	3,737.94	1/2	4,341.37
3/4	3.58	3/4	204.72	3/4	547.45	3/4	975.25	3/4	1,463.87	3/4	1,997.26	3/4	2,562.99	3/4	3,150.55	3/4	3,750.50	3/4	4,353.92
1	4.72	1	210.60	1	555.55	1	984.83	1	1,474.55	1	2,008.74	1	2,575.03	1	3,162.95	1	3,763.07	1	4,366.47
1/4	6.81	1/4	216.76	1/4	563.79	1/4	994.52	1/4	1,485.30	1/4	2,020.26	1/4	2,587.10	1/4	3,175.37	1/4	3,775.64	1/4	4,379.01
1/2	8.89	1/2	222.92	1/2	572.03	1/2	1,004.21	1/2	1,496.05	1/2	2,031.79	1/2	2,599.18	1/2	3,187.78	1/2	3,788.21	1/2	4,391.55
3/4	10.97	3/4	229.08	3/4	580.27	3/4	1,013.90	3/4	1,506.80	3/4	2,043.32	3/4	2,611.25	3/4	3,200.20	3/4	3,800.78	3/4	4,404.09
2	13.06	2	235.25	2	588.52	2	1,023.59	2	1,517.55	2	2,054.85	2	2,623.33	2	3,212.62	2	3,813.35	2	4,416.63
1/4	15.75	1/4	241.62	1/4	596.90	1/4	1,033.38	1/4	1,528.38	1/4	2,066.44	1/4	2,635.44	1/4	3,225.05	1/4	3,825.92	1/4	4,429.16
1/2	18.45	1/2	247.99	1/2	605.28	1/2	1,043.17	1/2	1,539.20	1/2	2,078.02	1/2	2,647.55	1/2	3,237.49	1/2	3,838.49	1/2	4,441.69
3/4	21.15	3/4	254.36	3/4	613.66	3/4	1,052.96	3/4	1,550.03	3/4	2,089.60	3/4	2,659.67	3/4	3,249.93	3/4	3,851.07	3/4	4,454.22
3	23.84	3	260.73	3	622.04	3	1,062.75	3	1,560.86	3	2,101.19	3	2,671.78	3	3,262.37	3	3,863.64	3	4,466.74
1/4	27.03	1/4	267.31	1/4	630.56	1/4	1,072.64	1/4	1,571.75	1/4	2,112.82	1/4	2,683.92	1/4	3,274.82	1/4	3,876.22	1/4	4,479.26
1/2	30.22	1/2	273.88	1/2	639.07	1/2	1,082.53	1/2	1,582.65	1/2	2,124.46	1/2	2,696.07	1/2	3,287.28	1/2	3,888.80	1/2	4,491.78
3/4	33.41	3/4	280.45	3/4	647.59	3/4	1,092.42	3/4	1,593.55	3/4	2,136.10	3/4	2,708.22	3/4	3,299.73	3/4	3,901.37	3/4	4,504.29
4	36.60	4	287.03	4	656.11	4	1,102.31	4	1,604.45	4	2,147.73	4	2,720.36	4	3,312.19	4	3,913.95	4	4,516.81
1/4	40.21	1/4	293.79	1/4	664.76	1/4	1,112.29	1/4	1,615.42	1/4	2,159.42	1/4	2,732.54	1/4	3,324.66	1/4	3,926.53	1/4	4,529.31
1/2	43.82	1/2	300.56	1/2	673.41	1/2	1,122.28	1/2	1,626.39	1/2	2,171.11	1/2	2,744.72	1/2	3,337.13	1/2	3,939.11	1/2	4,541.82
3/4	47.44	3/4	307.33	3/4	682.05	3/4	1,132.26	3/4	1,637.36	3/4	2,182.79	3/4	2,756.90	3/4	3,349.61	3/4	3,951.69	3/4	4,554.32
5	51.05	5	314.10	5	690.70	5	1,142.25	5	1,648.33	5	2,194.48	5	2,769.08	5	3,362.08	5	3,964.27	5	4,566.82
1/4	55.04	1/4	321.05	1/4	699.48	1/4	1,152.33	1/4	1,659.37	1/4	2,206.21	1/4	2,781.29	1/4	3,374.57	1/4	3,976.85	1/4	4,579.31
1/2	59.03	1/2	328.01	1/2	708.26	1/2	1,162.41	1/2	1,670.41	1/2	2,217.95	1/2	2,793.50	1/2	3,387.06	1/2	3,989.43	1/2	4,591.80
3/4	63.02	3/4	334.96	3/4	717.03	3/4	1,172.49	3/4	1,681.45	3/4	2,229.69	3/4	2,805.71	3/4	3,399.55	3/4	4,002.01	3/4	4,604.29
6	67.01	6	341.92	6	725.81	6	1,182.56	6	1,692.49	6	2,241.42	6	2,817.92	6	3,412.03	6	4,014.59	6	4,616.78
1/4	71.34	1/4	349.05	1/4	734.71	1/4	1,192.74	1/4	1,703.59	1/4	2,253.20	1/4	2,830.17	1/4	3,424.54	1/4	4,027.17	1/4	4,629.25
1/2	75.67	1/2	356.19	1/2	743.61	1/2	1,202.91	1/2	1,714.70	1/2	2,264.99	1/2	2,842.41	1/2	3,437.04	1/2	4,039.75	1/2	4,641.72
3/4	80.00	3/4	363.32	3/4	752.52	3/4	1,213.08	3/4	1,725.81	3/4	2,276.77	3/4	2,854.65	3/4	3,449.54	3/4	4,052.33	3/4	4,654.20
7	84.33	7	370.46	7	761.42	7	1,223.25	7	1,736.91	7	2,288.56	7	2,866.89	7	3,462.05	7	4,064.91	7	4,666.67
1/4	88.91	1/4	377.77	1/4	770.44	1/4	1,233.51	1/4	1,748.08	1/4	2,300.39	1/4	2,879.16	1/4	3,474.56	1/4	4,077.48	1/4	4,679.12
1/2	93.50	1/2	385.08	1/2	779.46	1/2	1,243.77	1/2	1,759.26	1/2	2,312.21	1/2	2,891.43	1/2	3,487.08	1/2	4,090.06	1/2	4,691.58
3/4	98.09	3/4	392.39	3/4	788.49	3/4	1,254.03	3/4	1,770.43	3/4	2,324.04	3/4	2,903.70	3/4	3,499.60	3/4	4,102.64	3/4	4,704.04
8	102.68	8	399.70	8	797.51	8	1,264.29	8	1,781.60	8	2,335.87	8	2,915.98	8	3,512.11	8	4,115.22	8	4,716.49
1/4	107.56	1/4	407.17	1/4	806.65	1/4	1,274.64	1/4	1,792.84	1/4	2,347.75	1/4	2,928.27	1/4	3,524.64	1/4	4,127.79	1/4	4,728.93
1/2	112.44	1/2	414.65	1/2	815.79	1/2	1,284.98	1/2	1,804.07	1/2	2,359.62	1/2	2,940.57	1/2	3,537.17	1/2	4,140.36	1/2	4,741.37
3/4	117.32	3/4	422.13	3/4	824.94	3/4	1,295.33	3/4	1,815.31	3/4	2,371.50	3/4	2,952.87	3/4	3,549.70	3/4	4,152.94	3/4	4,753.80
9	122.20	9	429.61	9	834.08	9	1,305.68	9	1,826.54	9	2,383.37	9	2,965.17	9	3,562.23	9	4,165.51	9	4,766.24
1/4	127.35	1/4	437.25	1/4	843.33	1/4	1,316.11	1/4	1,837.84	1/4	2,395.29	1/4	2,977.49	1/4	3,574.77	1/4	4,178.08	1/4	4,778.66
1/2	132.50	1/2	444.89	1/2	852.59	1/2	1,326.54	1/2	1,849.14	1/2	2,407.21	1/2	2,989.82	1/2	3,587.31	1/2	4,190.65	1/2	4,791.07
3/4	137.66	3/4	452.53	3/4	861.85	3/4	1,336.97	3/4	1,860.44	3/4	2,419.12	3/4	3,002.14	3/4	3,599.85	3/4	4,203.22	3/4	4,803.49
10	142.81	10	460.17	10	871.10	10	1,347.41	10	1,871.74	10	2,431.04	10	3,014.47	10	3,612.39	10	4,215.79	10	4,815.91
1/4	148.22	1/4	467.96	1/4	880.47	1/4	1,357.92	1/4	1,883.09	1/4	2,443.00	1/4	3,026.82	1/4	3,624.93	1/4	4,228.36	1/4	4,828.30
1/2	153.63	1/2	475.76	1/2	889.84	1/2	1,368.44	1/2	1,894.45	1/2	2,454.96	1/2	3,039.17	1/2	3,637.48	1/2	4,240.92	1/2	4,840.70
3/4	159.04	3/4	483.56	3/4	899.21	3/4	1,378.95	3/4	1,905.81	3/4	2,466.92	3/4	3,051.52	3/4	3,650.03	3/4	4,253.48	3/4	4,853.10
11	164.45	11	491.36	11	908.58	11	1,389.47	11	1,917.17	11	2,478.88	11	3,063.87	11	3,662.58	11	4,266.05	11	4,865.49
1/4	170.10	1/4	499.31	1/4	918.06	1/4	1,400.06	1/4	1,928.59	1/4	2,490.88	1/4	3,076.24	1/4	3,675.14	1/4	4,278.60	1/4	4,877.87
1/2	175.76	1/2	507.26	1/2	927.54	1/2	1,410.66	1/2	1,940.00	1/2	2,502.88	1/2	3,088.62	1/2	3,687.70	1/2	4,291.16	1/2	4,890.24
3/4	181.41	3/4	515.21	3/4	937.02	3/4	1,421.25	3/4	1,951.42	3/4	2,514.88	3/4	3,100.99	3/4	3,700.25	3/4	4,303.72	3/4	4,902.61

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.
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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 16817"

PORT HORIZONTAL INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "FMT 2058"

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	4,914.99	0	5,499.98	0	6,061.69	0	6,589.39	0	7,070.28	0	7,487.50	0	7,814.85	0		0		0	
1/4	4,927.34	1/4	5,511.94	1/4	6,073.05	1/4	6,599.91	1/4	7,079.65	1/4	7,495.30	1/4	7,820.31	1/4	1/4		1/4		1/4
1/2	4,939.69	1/2	5,523.90	1/2	6,084.40	1/2	6,610.42	1/2	7,089.02	1/2	7,503.10	1/2	7,825.78	1/2	1/2	1/2		1/2	1/2
3/4	4,952.04	3/4	5,535.86	3/4	6,095.76	3/4	6,620.94	3/4	7,098.38	3/4	7,510.89	3/4	7,831.24	3/4	3/4	3/4		3/4	3/4
1	4,964.39	1	5,547.82	1	6,107.12	1	6,631.45	1	7,107.75	1	7,518.69	1	7,836.71	1	1	1		1	1
1/4	4,976.71	1/4	5,559.73	1/4	6,118.42	1/4	6,641.88	1/4	7,117.01	1/4	7,526.33	1/4	7,841.92	1/4	1/4		1/4		1/4
1/2	4,989.04	1/2	5,571.65	1/2	6,129.72	1/2	6,652.32	1/2	7,126.27	1/2	7,533.97	1/2	7,847.12	1/2	1/2	1/2		1/2	1/2
3/4	5,001.36	3/4	5,583.57	3/4	6,141.02	3/4	6,662.75	3/4	7,135.52	3/4	7,541.61	3/4	7,852.33	3/4	3/4	3/4		3/4	3/4
2	5,013.69	2	5,595.49	2	6,152.31	2	6,673.18	2	7,144.78	2	7,549.25	2	7,857.54	2	2	2		2	2
1/4	5,025.99	1/4	5,607.36	1/4	6,163.55	1/4	6,683.53	1/4	7,153.92	1/4	7,556.73	1/4	7,862.47	1/4	1/4		1/4		1/4
1/2	5,038.29	1/2	5,619.24	1/2	6,174.78	1/2	6,693.87	1/2	7,163.06	1/2	7,564.21	1/2	7,867.41	1/2	1/2	1/2		1/2	1/2
3/4	5,050.58	3/4	5,631.11	3/4	6,186.02	3/4	6,704.22	3/4	7,172.20	3/4	7,571.68	3/4	7,872.34	3/4	3/4	3/4		3/4	3/4
3	5,062.88	3	5,642.98	3	6,197.26	3	6,714.57	3	7,181.35	3	7,579.16	3	7,877.28	3	3	3		3	3
1/4	5,075.15	1/4	5,654.81	1/4	6,208.43	1/4	6,724.83	1/4	7,190.37	1/4	7,586.47	1/4	7,881.92	1/4	1/4		1/4		1/4
1/2	5,087.42	1/2	5,666.64	1/2	6,219.60	1/2	6,735.09	1/2	7,199.39	1/2	7,593.78	1/2	7,886.57	1/2	1/2	1/2		1/2	1/2
3/4	5,099.69	3/4	5,678.47	3/4	6,230.77	3/4	6,745.35	3/4	7,208.42	3/4	7,601.09	3/4	7,891.21	3/4	3/4	3/4		3/4	3/4
4	5,111.97	4	5,690.30	4	6,241.94	4	6,755.61	4	7,217.44	4	7,608.40	4	7,895.85	4	4	4		4	4
1/4	5,124.21	1/4	5,702.09	1/4	6,253.05	1/4	6,765.78	1/4	7,226.34	1/4	7,615.53	1/4	7,900.18	1/4	1/4		1/4		1/4
1/2	5,136.45	1/2	5,713.87	1/2	6,264.16	1/2	6,775.95	1/2	7,235.24	1/2	7,622.67	1/2	7,904.51	1/2	1/2	1/2		1/2	1/2
3/4	5,148.69	3/4	5,725.65	3/4	6,275.26	3/4	6,786.12	3/4	7,244.14	3/4	7,629.80	3/4	7,908.84	3/4	3/4	3/4		3/4	3/4
5	5,160.93	5	5,737.44	5	6,286.37	5	6,796.29	5	7,253.05	5	7,636.94	5	7,913.17	5	5	5		5	5
1/4	5,173.14	1/4	5,749.17	1/4	6,297.41	1/4	6,806.37	1/4	7,261.82	1/4	7,643.89	1/4	7,917.16	1/4	1/4		1/4		1/4
1/2	5,185.36	1/2	5,760.91	1/2	6,308.45	1/2	6,816.45	1/2	7,270.60	1/2	7,650.85	1/2	7,921.15	1/2	1/2	1/2		1/2	1/2
3/4	5,197.57	3/4	5,772.64	3/4	6,319.49	3/4	6,826.53	3/4	7,279.38	3/4	7,657.80	3/4	7,925.14	3/4	3/4	3/4		3/4	3/4
6	5,209.78	6	5,784.38	6	6,330.53	6	6,836.61	6	7,288.15	6	7,664.76	6	7,929.13	6	6	6		6	6
1/4	5,221.96	1/4	5,796.07	1/4	6,341.50	1/4	6,846.60	1/4	7,296.80	1/4	7,671.53	1/4	7,932.74	1/4	1/4		1/4		1/4
1/2	5,234.14	1/2	5,807.75	1/2	6,352.47	1/2	6,856.58	1/2	7,305.45	1/2	7,678.29	1/2	7,936.35	1/2	1/2	1/2		1/2	1/2
3/4	5,246.32	3/4	5,819.44	3/4	6,363.44	3/4	6,866.57	3/4	7,314.10	3/4	7,685.06	3/4	7,939.97	3/4	3/4	3/4		3/4	3/4
7	5,258.50	7	5,831.13	7	6,374.41	7	6,876.55	7	7,322.75	7	7,691.83	7	7,943.58	7	7	7		7	7
1/4	5,270.64	1/4	5,842.76	1/4	6,385.31	1/4	6,886.44	1/4	7,331.27	1/4	7,698.40	1/4	7,946.77	1/4	1/4		1/4		1/4
1/2	5,282.79	1/2	5,854.40	1/2	6,396.20	1/2	6,896.33	1/2	7,339.78	1/2	7,704.98	1/2	7,949.96	1/2	1/2	1/2		1/2	1/2
3/4	5,294.93	3/4	5,866.03	3/4	6,407.10	3/4	6,906.22	3/4	7,348.30	3/4	7,711.55	3/4	7,953.14	3/4	3/4	3/4		3/4	3/4
8	5,307.08	8	5,877.67	8	6,418.00	8	6,916.11	8	7,356.82	8	7,718.13	8	7,956.33	8	8	8		8	8
1/4	5,319.19	1/4	5,889.25	1/4	6,428.83	1/4	6,925.90	1/4	7,365.20	1/4	7,724.50	1/4	7,959.03	1/4	1/4		1/4		1/4
1/2	5,331.30	1/2	5,900.84	1/2	6,439.65	1/2	6,935.69	1/2	7,373.58	1/2	7,730.87	1/2	7,961.73	1/2	1/2	1/2		1/2	1/2
3/4	5,343.42	3/4	5,912.42	3/4	6,450.48	3/4	6,945.48	3/4	7,381.96	3/4	7,737.24	3/4	7,964.42	3/4	3/4	3/4		3/4	3/4
9	5,355.53	9	5,924.00	9	6,461.31	9	6,955.27	9	7,390.34	9	7,743.61	9	7,967.12	9	9	9		9	9
1/4	5,367.60	1/4	5,935.53	1/4	6,472.06	1/4	6,964.96	1/4	7,398.58	1/4	7,749.77	1/4	7,969.20	1/4	1/4		1/4		1/4
1/2	5,379.68	1/2	5,947.06	1/2	6,482.81	1/2	6,974.65	1/2	7,406.83	1/2	7,755.93	1/2	7,971.28	1/2	1/2	1/2		1/2	1/2
3/4	5,391.75	3/4	5,958.59	3/4	6,493.56	3/4	6,984.33	3/4	7,415.07	3/4	7,762.09	3/4	7,973.37	3/4	3/4	3/4		3/4	3/4
10	5,403.83	10	5,970.12	10	6,504.31	10	6,994.02	10	7,423.31	10	7,768.25	10	7,975.45	10	10	10		10	10
1/4	5,415.87	1/4	5,981.60	1/4	6,514.99	1/4	7,003.61	1/4	7,431.41	1/4	7,774.19	1/4	7,976.59	1/4	1/4		1/4		1/4
1/2	5,427.91	1/2	5,993.07	1/2	6,525.66	1/2	7,013.19	1/2	7,439.51	1/2	7,780.13	1/2	7,977.73	1/2	1/2	1/2		1/2	1/2
3/4	5,439.94	3/4	6,004.55	3/4	6,536.33	3/4	7,022.78	3/4	7,447.60	3/4	7,786.07	3/4	7,978.87	3/4	3/4	3/4		3/4	3/4
11	5,451.98	11	6,016.02	11	6,547.01	11	7,032.36	11	7,455.70	11	7,792.01	11	7,980.01	11	11	11		11	11
1/4	5,463.98	1/4	6,027.44	1/4	6,557.60	1/4	7,041.84	1/4	7,463.65	1/4	7,797.72	1/4		1/4	1/4		1/4		1/4
1/2	5,475.98	1/2	6,038.85	1/2	6,568.20	1/2	7,051.32	1/2	7,471.60	1/2	7,803.43	1/2		1/2	1/2		1/2		1/2
3/4	5,487.98	3/4	6,050.27	3/4	6,578.80	3/4	7,060.80	3/4	7,479.55	3/4	7,809.14	3/4		3/4	3/4		3/4		3/4

STRAPPED: 12/20/2019 JS
CALCULATED: 12/20/2019 CL
NAME CHANGE: 02/03/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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 16817"

STBD
HORIZONTAL

INNAGE TABLE
BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "FMT 2058"

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	0.17	0	187.08	0	523.23	0	946.67	0	1,432.17	0	1,963.33	0	2,527.57	0	3,114.28	0	3,713.95	0	4,317.65
1/4	1.31	1/4	192.96	1/4	531.33	1/4	956.26	1/4	1,442.85	1/4	1,974.81	1/4	2,539.61	1/4	3,126.68	1/4	3,726.52	1/4	4,330.21
1/2	2.44	1/2	198.85	1/2	539.43	1/2	965.85	1/2	1,453.53	1/2	1,986.29	1/2	2,551.66	1/2	3,139.08	1/2	3,739.09	1/2	4,342.76
3/4	3.58	3/4	204.73	3/4	547.53	3/4	975.43	3/4	1,464.20	3/4	1,997.77	3/4	2,563.70	3/4	3,151.48	3/4	3,751.66	3/4	4,355.31
1	4.72	1	210.62	1	555.63	1	985.02	1	1,474.88	1	2,009.25	1	2,575.74	1	3,163.88	1	3,764.23	1	4,367.87
1/4	6.81	1/4	216.78	1/4	563.87	1/4	994.71	1/4	1,485.64	1/4	2,020.78	1/4	2,587.82	1/4	3,176.30	1/4	3,776.80	1/4	4,380.41
1/2	8.89	1/2	222.94	1/2	572.12	1/2	1,004.41	1/2	1,496.39	1/2	2,032.31	1/2	2,599.90	1/2	3,188.73	1/2	3,789.38	1/2	4,392.96
3/4	10.97	3/4	229.10	3/4	580.36	3/4	1,014.10	3/4	1,507.14	3/4	2,043.85	3/4	2,611.98	3/4	3,201.15	3/4	3,801.95	3/4	4,405.50
2	13.06	2	235.27	2	588.60	2	1,023.79	2	1,517.90	2	2,055.38	2	2,624.06	2	3,213.57	2	3,814.53	2	4,418.04
1/4	15.75	1/4	241.64	1/4	596.99	1/4	1,033.58	1/4	1,528.73	1/4	2,066.97	1/4	2,636.18	1/4	3,226.01	1/4	3,827.11	1/4	4,430.58
1/2	18.45	1/2	248.01	1/2	605.37	1/2	1,043.37	1/2	1,539.56	1/2	2,078.56	1/2	2,648.29	1/2	3,238.45	1/2	3,839.69	1/2	4,443.11
3/4	21.15	3/4	254.38	3/4	613.75	3/4	1,053.17	3/4	1,550.39	3/4	2,090.14	3/4	2,660.41	3/4	3,250.90	3/4	3,852.27	3/4	4,455.65
3	23.84	3	260.76	3	622.14	3	1,062.96	3	1,561.22	3	2,101.73	3	2,672.53	3	3,263.34	3	3,864.85	3	4,468.18
1/4	27.03	1/4	267.33	1/4	630.65	1/4	1,072.85	1/4	1,572.12	1/4	2,113.37	1/4	2,684.68	1/4	3,275.80	1/4	3,877.43	1/4	4,480.70
1/2	30.22	1/2	273.91	1/2	639.17	1/2	1,082.74	1/2	1,583.02	1/2	2,125.01	1/2	2,696.83	1/2	3,288.26	1/2	3,890.01	1/2	4,493.22
3/4	33.41	3/4	280.48	3/4	647.69	3/4	1,092.64	3/4	1,593.92	3/4	2,136.65	3/4	2,708.98	3/4	3,300.72	3/4	3,902.59	3/4	4,505.74
4	36.60	4	287.05	4	656.21	4	1,102.53	4	1,604.83	4	2,148.29	4	2,721.13	4	3,313.18	4	3,915.17	4	4,518.26
1/4	40.21	1/4	293.82	1/4	664.86	1/4	1,112.52	1/4	1,615.80	1/4	2,159.98	1/4	2,733.31	1/4	3,325.66	1/4	3,927.76	1/4	4,530.77
1/2	43.82	1/2	300.59	1/2	673.51	1/2	1,122.50	1/2	1,626.77	1/2	2,171.67	1/2	2,745.50	1/2	3,338.13	1/2	3,940.34	1/2	4,543.28
3/4	47.44	3/4	307.36	3/4	682.16	3/4	1,132.49	3/4	1,637.75	3/4	2,183.36	3/4	2,757.68	3/4	3,350.61	3/4	3,952.93	3/4	4,555.79
5	51.05	5	314.13	5	690.81	5	1,142.48	5	1,648.72	5	2,195.06	5	2,769.87	5	3,363.09	5	3,965.51	5	4,568.30
1/4	55.04	1/4	321.09	1/4	699.59	1/4	1,152.56	1/4	1,659.76	1/4	2,206.80	1/4	2,782.08	1/4	3,375.58	1/4	3,978.09	1/4	4,580.79
1/2	59.03	1/2	328.04	1/2	708.37	1/2	1,162.64	1/2	1,670.81	1/2	2,218.54	1/2	2,794.30	1/2	3,388.08	1/2	3,990.68	1/2	4,593.28
3/4	63.02	3/4	335.00	3/4	717.15	3/4	1,172.73	3/4	1,681.85	3/4	2,230.28	3/4	2,806.51	3/4	3,400.57	3/4	4,003.26	3/4	4,605.78
6	67.01	6	341.96	6	725.93	6	1,182.81	6	1,692.89	6	2,242.02	6	2,818.73	6	3,413.06	6	4,015.85	6	4,618.27
1/4	71.34	1/4	349.09	1/4	734.84	1/4	1,192.98	1/4	1,704.00	1/4	2,253.80	1/4	2,830.97	1/4	3,425.57	1/4	4,028.43	1/4	4,630.75
1/2	75.67	1/2	356.23	1/2	743.74	1/2	1,203.16	1/2	1,715.11	1/2	2,265.59	1/2	2,843.22	1/2	3,438.08	1/2	4,041.02	1/2	4,643.23
3/4	80.00	3/4	363.37	3/4	752.64	3/4	1,213.33	3/4	1,726.22	3/4	2,277.38	3/4	2,855.47	3/4	3,450.59	3/4	4,053.60	3/4	4,655.70
7	84.33	7	370.50	7	761.55	7	1,223.50	7	1,737.33	7	2,289.17	7	2,867.71	7	3,463.10	7	4,066.19	7	4,668.18
1/4	88.92	1/4	377.81	1/4	770.57	1/4	1,233.77	1/4	1,748.51	1/4	2,301.00	1/4	2,879.99	1/4	3,475.62	1/4	4,078.77	1/4	4,680.64
1/2	93.51	1/2	385.12	1/2	779.60	1/2	1,244.03	1/2	1,759.68	1/2	2,312.83	1/2	2,892.26	1/2	3,488.14	1/2	4,091.35	1/2	4,693.10
3/4	98.09	3/4	392.43	3/4	788.62	3/4	1,254.29	3/4	1,770.86	3/4	2,324.67	3/4	2,904.54	3/4	3,500.66	3/4	4,103.93	3/4	4,705.56
8	102.68	8	399.75	8	797.65	8	1,264.56	8	1,782.04	8	2,336.50	8	2,916.82	8	3,513.18	8	4,116.51	8	4,718.02
1/4	107.56	1/4	407.22	1/4	806.79	1/4	1,274.91	1/4	1,793.27	1/4	2,348.38	1/4	2,929.12	1/4	3,525.71	1/4	4,129.09	1/4	4,730.46
1/2	112.44	1/2	414.70	1/2	815.94	1/2	1,285.26	1/2	1,804.51	1/2	2,360.26	1/2	2,941.42	1/2	3,538.25	1/2	4,141.67	1/2	4,742.90
3/4	117.32	3/4	422.18	3/4	825.08	3/4	1,295.61	3/4	1,815.75	3/4	2,372.14	3/4	2,953.73	3/4	3,550.78	3/4	4,154.25	3/4	4,755.35
9	122.21	9	429.66	9	834.23	9	1,305.96	9	1,826.99	9	2,384.02	9	2,966.03	9	3,563.31	9	4,166.83	9	4,767.79
1/4	127.36	1/4	437.30	1/4	843.48	1/4	1,316.39	1/4	1,838.30	1/4	2,395.94	1/4	2,978.36	1/4	3,575.86	1/4	4,179.41	1/4	4,780.21
1/2	132.51	1/2	444.94	1/2	852.74	1/2	1,326.83	1/2	1,849.60	1/2	2,407.86	1/2	2,990.69	1/2	3,588.40	1/2	4,191.98	1/2	4,792.63
3/4	137.67	3/4	452.58	3/4	862.00	3/4	1,337.26	3/4	1,860.90	3/4	2,419.78	3/4	3,003.02	3/4	3,600.95	3/4	4,204.55	3/4	4,805.05
10	142.82	10	460.23	10	871.26	10	1,347.70	10	1,872.20	10	2,431.70	10	3,015.35	10	3,613.49	10	4,217.13	10	4,817.48
1/4	148.23	1/4	468.02	1/4	880.63	1/4	1,358.22	1/4	1,883.56	1/4	2,443.67	1/4	3,027.70	1/4	3,626.05	1/4	4,229.70	1/4	4,829.88
1/2	153.64	1/2	475.82	1/2	890.00	1/2	1,368.74	1/2	1,894.93	1/2	2,455.63	1/2	3,040.06	1/2	3,638.60	1/2	4,242.27	1/2	4,842.28
3/4	159.05	3/4	483.62	3/4	899.38	3/4	1,379.25	3/4	1,906.29	3/4	2,467.59	3/4	3,052.41	3/4	3,651.15	3/4	4,254.84	3/4	4,854.68
11	164.46	11	491.42	11	908.75	11	1,389.77	11	1,917.65	11	2,479.56	11	3,064.77	11	3,663.71	11	4,267.41	11	4,867.08
1/4	170.12	1/4	499.37	1/4	918.23	1/4	1,400.37	1/4	1,929.07	1/4	2,491.56	1/4	3,077.14	1/4	3,676.27	1/4	4,279.97	1/4	4,879.46
1/2	175.77	1/2	507.33	1/2	927.71	1/2	1,410.97	1/2	1,940.49	1/2	2,503.56	1/2	3,089.52	1/2	3,688.83	1/2	4,292.53	1/2	4,891.84
3/4	181.42	3/4	515.28	3/4	937.19	3/4	1,421.57	3/4	1,951.91	3/4	2,515.57	3/4	3,101.90	3/4	3,701.39	3/4	4,305.09	3/4	4,904.22

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.
 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.

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 16817"

STBD
HORIZONTAL
INNAGE TABLE
BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "FMT 2058"

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	4,916.59	0	5,501.80	0	6,063.71	0	6,591.59	0	7,072.61	0	7,489.94	0	7,817.34	0		0		0	
1/4	4,928.95	1/4	5,513.77	1/4	6,075.07	1/4	6,602.10	1/4	7,081.98	1/4	7,497.74	1/4	7,822.80	1/4		1/4		1/4	
1/2	4,941.30	1/2	5,525.73	1/2	6,086.43	1/2	6,612.62	1/2	7,091.35	1/2	7,505.54	1/2	7,828.27	1/2		1/2		1/2	
3/4	4,953.66	3/4	5,537.69	3/4	6,097.80	3/4	6,623.14	3/4	7,100.73	3/4	7,513.33	3/4	7,833.74	3/4		3/4		3/4	
1	4,966.01	1	5,549.66	1	6,109.16	1	6,633.66	1	7,110.10	1	7,521.13	1	7,839.20	1		1		1	
1/4	4,978.34	1/4	5,561.58	1/4	6,120.46	1/4	6,644.09	1/4	7,119.36	1/4	7,528.77	1/4	7,844.41	1/4		1/4		1/4	
1/2	4,990.67	1/2	5,573.50	1/2	6,131.76	1/2	6,654.53	1/2	7,128.62	1/2	7,536.42	1/2	7,849.62	1/2		1/2		1/2	
3/4	5,003.00	3/4	5,585.42	3/4	6,143.06	3/4	6,664.97	3/4	7,137.88	3/4	7,544.06	3/4	7,854.83	3/4		3/4		3/4	
2	5,015.33	2	5,597.34	2	6,154.37	2	6,675.40	2	7,147.13	2	7,551.70	2	7,860.03	2		2		2	
1/4	5,027.63	1/4	5,609.22	1/4	6,165.61	1/4	6,685.75	1/4	7,156.28	1/4	7,559.18	1/4	7,864.97	1/4		1/4		1/4	
1/2	5,039.94	1/2	5,621.10	1/2	6,176.84	1/2	6,696.10	1/2	7,165.42	1/2	7,566.66	1/2	7,869.91	1/2		1/2		1/2	
3/4	5,052.24	3/4	5,632.98	3/4	6,188.08	3/4	6,706.45	3/4	7,174.57	3/4	7,574.14	3/4	7,874.84	3/4		3/4		3/4	
3	5,064.54	3	5,644.86	3	6,199.32	3	6,716.80	3	7,183.71	3	7,581.61	3	7,879.78	3		3		3	
1/4	5,076.82	1/4	5,656.69	1/4	6,210.50	1/4	6,727.07	1/4	7,192.74	1/4	7,588.92	1/4	7,884.42	1/4		1/4		1/4	
1/2	5,089.09	1/2	5,668.53	1/2	6,221.68	1/2	6,737.33	1/2	7,201.76	1/2	7,596.24	1/2	7,889.06	1/2		1/2		1/2	
3/4	5,101.37	3/4	5,680.36	3/4	6,232.85	3/4	6,747.59	3/4	7,210.79	3/4	7,603.55	3/4	7,893.71	3/4		3/4		3/4	
4	5,113.65	4	5,692.19	4	6,244.03	4	6,757.86	4	7,219.81	4	7,610.86	4	7,898.35	4		4		4	
1/4	5,125.89	1/4	5,703.98	1/4	6,255.14	1/4	6,768.03	1/4	7,228.72	1/4	7,617.99	1/4	7,902.68	1/4		1/4		1/4	
1/2	5,138.14	1/2	5,715.77	1/2	6,266.25	1/2	6,778.20	1/2	7,237.62	1/2	7,625.13	1/2	7,907.01	1/2		1/2		1/2	
3/4	5,150.38	3/4	5,727.56	3/4	6,277.36	3/4	6,788.38	3/4	7,246.52	3/4	7,632.27	3/4	7,911.34	3/4		3/4		3/4	
5	5,162.63	5	5,739.34	5	6,288.47	5	6,798.55	5	7,255.43	5	7,639.40	5	7,915.67	5		5		5	
1/4	5,174.85	1/4	5,751.08	1/4	6,299.51	1/4	6,808.63	1/4	7,264.21	1/4	7,646.36	1/4	7,919.66	1/4		1/4		1/4	
1/2	5,187.06	1/2	5,762.82	1/2	6,310.55	1/2	6,818.71	1/2	7,272.99	1/2	7,653.32	1/2	7,923.65	1/2		1/2		1/2	
3/4	5,199.28	3/4	5,774.56	3/4	6,321.60	3/4	6,828.80	3/4	7,281.77	3/4	7,660.27	3/4	7,927.64	3/4		3/4		3/4	
6	5,211.49	6	5,786.30	6	6,332.64	6	6,838.88	6	7,290.54	6	7,667.23	6	7,931.63	6		6		6	
1/4	5,223.68	1/4	5,797.99	1/4	6,343.61	1/4	6,848.87	1/4	7,299.20	1/4	7,674.00	1/4	7,935.24	1/4		1/4		1/4	
1/2	5,235.86	1/2	5,809.69	1/2	6,354.59	1/2	6,858.86	1/2	7,307.85	1/2	7,680.77	1/2	7,938.85	1/2		1/2		1/2	
3/4	5,248.05	3/4	5,821.38	3/4	6,365.56	3/4	6,868.84	3/4	7,316.50	3/4	7,687.54	3/4	7,942.47	3/4		3/4		3/4	
7	5,260.23	7	5,833.07	7	6,376.53	7	6,878.83	7	7,325.15	7	7,694.30	7	7,946.08	7		7		7	
1/4	5,272.38	1/4	5,844.71	1/4	6,387.43	1/4	6,888.72	1/4	7,333.67	1/4	7,700.88	1/4	7,949.27	1/4		1/4		1/4	
1/2	5,284.53	1/2	5,856.35	1/2	6,398.34	1/2	6,898.62	1/2	7,342.19	1/2	7,707.45	1/2	7,952.46	1/2		1/2		1/2	
3/4	5,296.68	3/4	5,867.99	3/4	6,409.24	3/4	6,908.51	3/4	7,350.70	3/4	7,714.03	3/4	7,955.65	3/4		3/4		3/4	
8	5,308.83	8	5,879.63	8	6,420.14	8	6,918.40	8	7,359.22	8	7,720.60	8	7,958.84	8		8		8	
1/4	5,320.95	1/4	5,891.21	1/4	6,430.97	1/4	6,928.19	1/4	7,367.61	1/4	7,726.98	1/4	7,961.53	1/4		1/4		1/4	
1/2	5,333.06	1/2	5,902.80	1/2	6,441.80	1/2	6,937.98	1/2	7,375.99	1/2	7,733.35	1/2	7,964.23	1/2		1/2		1/2	
3/4	5,345.18	3/4	5,914.39	3/4	6,452.63	3/4	6,947.78	3/4	7,384.37	3/4	7,739.72	3/4	7,966.92	3/4		3/4		3/4	
9	5,357.30	9	5,925.98	9	6,463.46	9	6,957.57	9	7,392.76	9	7,746.09	9	7,969.62	9		9		9	
1/4	5,369.38	1/4	5,937.51	1/4	6,474.21	1/4	6,967.26	1/4	7,401.00	1/4	7,752.25	1/4	7,971.70	1/4		1/4		1/4	
1/2	5,381.46	1/2	5,949.05	1/2	6,484.97	1/2	6,976.95	1/2	7,409.24	1/2	7,758.42	1/2	7,973.79	1/2		1/2		1/2	
3/4	5,393.54	3/4	5,960.58	3/4	6,495.72	3/4	6,986.65	3/4	7,417.49	3/4	7,764.58	3/4	7,975.87	3/4		3/4		3/4	
10	5,405.62	10	5,972.11	10	6,506.48	10	6,996.34	10	7,425.73	10	7,770.74	10	7,977.95	10		10		10	
1/4	5,417.66	1/4	5,983.59	1/4	6,517.16	1/4	7,005.92	1/4	7,433.83	1/4	7,776.68	1/4	7,979.09	1/4		1/4		1/4	
1/2	5,429.70	1/2	5,995.07	1/2	6,527.83	1/2	7,015.51	1/2	7,441.93	1/2	7,782.62	1/2	7,980.23	1/2		1/2		1/2	
3/4	5,441.75	3/4	6,006.55	3/4	6,538.51	3/4	7,025.10	3/4	7,450.03	3/4	7,788.56	3/4	7,981.37	3/4		3/4		3/4	
11	5,453.79	11	6,018.03	11	6,549.19	11	7,034.69	11	7,458.13	11	7,794.50	11	7,982.51	11		11		11	
1/4	5,465.79	1/4	6,029.45	1/4	6,559.79	1/4	7,044.17	1/4	7,466.08	1/4	7,800.21	1/4		1/4		1/4		1/4	
1/2	5,477.80	1/2	6,040.87	1/2	6,570.39	1/2	7,053.65	1/2	7,474.03	1/2	7,805.92	1/2		1/2		1/2		1/2	
3/4	5,489.80	3/4	6,052.29	3/4	6,580.99	3/4	7,063.13	3/4	7,481.99	3/4	7,811.63	3/4		3/4		3/4		3/4	

STRAPPED: 12/20/2019 JS
 CALCULATED: 12/20/2019 CL
 NAME CHANGE: 02/03/2020 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 02/2020

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
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