



# BARGE "KIRBY 27716"

## INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-1/4	01-1/4
1 STBD	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-1/4	01-1/4
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-3/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 242'-06"

November 5, 2019

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

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# BARGE "KIRBY 27716"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	3.59	6	134.62	0	298.49	6	470.89	0	650.72	6	834.15	0	1,016.32	6	1,198.67	0	1,381.78	6	1,564.98
1/8	5.38	1/8	137.92	1/8	302.05	1/8	474.37	1/8	654.54	1/8	837.95	1/8	1,020.11	1/8	1,202.49	1/8	1,385.58	1/8	1,568.81
1/4	7.16	1/4	141.22	1/4	305.61	1/4	477.85	1/4	658.36	1/4	841.75	1/4	1,023.91	1/4	1,206.31	1/4	1,389.39	1/4	1,572.63
3/8	8.94	3/8	144.51	3/8	309.18	3/8	481.32	3/8	662.18	3/8	845.55	3/8	1,027.70	3/8	1,210.13	3/8	1,393.20	3/8	1,576.45
1/2	10.72	1/2	147.81	1/2	312.74	1/2	484.80	1/2	666.01	1/2	849.36	1/2	1,031.49	1/2	1,213.96	1/2	1,397.01	1/2	1,580.27
5/8	12.51	5/8	151.11	5/8	316.31	5/8	488.27	5/8	669.83	5/8	853.16	5/8	1,035.29	5/8	1,217.78	5/8	1,400.82	5/8	1,584.10
3/4	14.29	3/4	154.40	3/4	319.87	3/4	491.75	3/4	673.65	3/4	856.96	3/4	1,039.08	3/4	1,221.60	3/4	1,404.63	3/4	1,587.92
7/8	16.07	7/8	157.70	7/8	323.43	7/8	495.22	7/8	677.48	7/8	860.76	7/8	1,042.88	7/8	1,225.43	7/8	1,408.44	7/8	1,591.74
1	17.85	7	161.00	1	327.00	7	498.70	1	681.30	7	864.56	1	1,046.67	7	1,229.25	1	1,412.25	7	1,595.56
1/8	20.61	1/8	164.34	1/8	330.60	1/8	502.41	1/8	685.12	1/8	868.36	1/8	1,050.46	1/8	1,233.07	1/8	1,416.06	1/8	1,599.39
1/4	23.37	1/4	167.69	1/4	334.20	1/4	506.12	1/4	688.94	1/4	872.15	1/4	1,054.26	1/4	1,236.89	1/4	1,419.86	1/4	1,603.21
3/8	26.12	3/8	171.03	3/8	337.79	3/8	509.83	3/8	692.77	3/8	875.95	3/8	1,058.05	3/8	1,240.72	3/8	1,423.67	3/8	1,607.03
1/2	28.88	1/2	174.37	1/2	341.39	1/2	513.54	1/2	696.59	1/2	879.74	1/2	1,061.84	1/2	1,244.54	1/2	1,427.48	1/2	1,610.85
5/8	31.64	5/8	177.72	5/8	344.99	5/8	517.25	5/8	700.41	5/8	883.54	5/8	1,065.64	5/8	1,248.36	5/8	1,431.29	5/8	1,614.68
3/4	34.39	3/4	181.06	3/4	348.59	3/4	520.96	3/4	704.23	3/4	887.33	3/4	1,069.43	3/4	1,252.19	3/4	1,435.10	3/4	1,618.50
7/8	37.15	7/8	184.41	7/8	352.19	7/8	524.67	7/8	708.06	7/8	891.13	7/8	1,073.22	7/8	1,256.01	7/8	1,438.91	7/8	1,622.32
2	39.91	8	187.75	2	355.79	8	528.39	2	711.88	8	894.92	2	1,077.02	8	1,259.83	2	1,442.72	8	1,626.14
1/8	42.90	1/8	191.15	1/8	359.43	1/8	532.21	1/8	715.70	1/8	898.71	1/8	1,080.81	1/8	1,263.65	1/8	1,446.53	1/8	1,629.97
1/4	45.89	1/4	194.54	1/4	363.07	1/4	536.03	1/4	719.53	1/4	902.51	1/4	1,084.61	1/4	1,267.46	1/4	1,450.35	1/4	1,633.79
3/8	48.89	3/8	197.93	3/8	366.70	3/8	539.85	3/8	723.35	3/8	906.30	3/8	1,088.40	3/8	1,271.28	3/8	1,454.16	3/8	1,637.61
1/2	51.88	1/2	201.33	1/2	370.34	1/2	543.68	1/2	727.17	1/2	910.10	1/2	1,092.19	1/2	1,275.10	1/2	1,457.98	1/2	1,641.44
5/8	54.87	5/8	204.72	5/8	373.98	5/8	547.50	5/8	730.99	5/8	913.89	5/8	1,095.99	5/8	1,278.91	5/8	1,461.79	5/8	1,645.26
3/4	57.86	3/4	208.12	3/4	377.62	3/4	551.32	3/4	734.82	3/4	917.68	3/4	1,099.78	3/4	1,282.73	3/4	1,465.61	3/4	1,649.08
7/8	60.86	7/8	211.51	7/8	381.26	7/8	555.15	7/8	738.64	7/8	921.48	7/8	1,103.57	7/8	1,286.54	7/8	1,469.43	7/8	1,652.90
3	63.85	9	214.90	3	384.89	9	558.97	3	742.46	9	925.27	3	1,107.37	9	1,290.36	3	1,473.24	9	1,656.73
1/8	66.68	1/8	218.34	1/8	388.58	1/8	562.79	1/8	746.28	1/8	929.06	1/8	1,111.16	1/8	1,294.17	1/8	1,477.06	1/8	1,660.55
1/4	69.51	1/4	221.78	1/4	392.26	1/4	566.61	1/4	750.11	1/4	932.86	1/4	1,114.96	1/4	1,297.98	1/4	1,480.89	1/4	1,664.37
3/8	72.33	3/8	225.22	3/8	395.95	3/8	570.44	3/8	753.93	3/8	936.65	3/8	1,118.75	3/8	1,301.79	3/8	1,484.71	3/8	1,668.19
1/2	75.16	1/2	228.66	1/2	399.63	1/2	574.26	1/2	757.75	1/2	940.45	1/2	1,122.55	1/2	1,305.60	1/2	1,488.53	1/2	1,672.02
5/8	77.99	5/8	232.10	5/8	403.32	5/8	578.08	5/8	761.58	5/8	944.24	5/8	1,126.34	5/8	1,309.40	5/8	1,492.35	5/8	1,675.84
3/4	80.82	3/4	235.54	3/4	407.00	3/4	581.91	3/4	765.40	3/4	948.03	3/4	1,130.14	3/4	1,313.21	3/4	1,496.18	3/4	1,679.66
7/8	83.64	7/8	238.98	7/8	410.68	7/8	585.73	7/8	769.22	7/8	951.83	7/8	1,133.93	7/8	1,317.02	7/8	1,500.00	7/8	1,683.48
4	86.47	10	242.42	4	414.37	10	589.55	4	773.04	10	955.62	4	1,137.73	10	1,320.83	4	1,503.82	10	1,687.31
1/8	89.35	1/8	245.91	1/8	417.99	1/8	593.37	1/8	776.87	1/8	959.41	1/8	1,141.53	1/8	1,324.64	1/8	1,507.64	1/8	1,691.13
1/4	92.22	1/4	249.39	1/4	421.61	1/4	597.20	1/4	780.69	1/4	963.21	1/4	1,145.33	1/4	1,328.45	1/4	1,511.47	1/4	1,694.95
3/8	95.10	3/8	252.87	3/8	425.23	3/8	601.02	3/8	784.51	3/8	967.00	3/8	1,149.13	3/8	1,332.26	3/8	1,515.29	3/8	1,698.77
1/2	97.98	1/2	256.36	1/2	428.86	1/2	604.84	1/2	788.33	1/2	970.79	1/2	1,152.93	1/2	1,336.07	1/2	1,519.11	1/2	1,702.60
5/8	100.85	5/8	259.84	5/8	432.48	5/8	608.67	5/8	792.16	5/8	974.59	5/8	1,156.74	5/8	1,339.88	5/8	1,522.93	5/8	1,706.42
3/4	103.73	3/4	263.32	3/4	436.10	3/4	612.49	3/4	795.98	3/4	978.38	3/4	1,160.54	3/4	1,343.69	3/4	1,526.76	3/4	1,710.24
7/8	106.61	7/8	266.80	7/8	439.72	7/8	616.31	7/8	799.80	7/8	982.18	7/8	1,164.34	7/8	1,347.50	7/8	1,530.58	7/8	1,714.06
5	109.48	11	270.29	5	443.34	11	620.14	5	803.62	11	985.97	5	1,168.14	11	1,351.30	5	1,534.40	11	1,717.89
1/8	112.63	1/8	273.81	1/8	446.79	1/8	623.96	1/8	807.44	1/8	989.76	1/8	1,171.96	1/8	1,355.11	1/8	1,538.22	1/8	1,721.71
1/4	115.77	1/4	277.34	1/4	450.23	1/4	627.78	1/4	811.26	1/4	993.56	1/4	1,175.77	1/4	1,358.92	1/4	1,542.05	1/4	1,725.53
3/8	118.91	3/8	280.86	3/8	453.68	3/8	631.60	3/8	815.07	3/8	997.35	3/8	1,179.59	3/8	1,362.73	3/8	1,545.87	3/8	1,729.35
1/2	122.05	1/2	284.39	1/2	457.12	1/2	635.43	1/2	818.89	1/2	1,001.14	1/2	1,183.40	1/2	1,366.54	1/2	1,549.69	1/2	1,733.18
5/8	125.20	5/8	287.91	5/8	460.56	5/8	639.25	5/8	822.70	5/8	1,004.94	5/8	1,187.22	5/8	1,370.35	5/8	1,553.52	5/8	1,737.00
3/4	128.34	3/4	291.44	3/4	464.01	3/4	643.07	3/4	826.52	3/4	1,008.73	3/4	1,191.04	3/4	1,374.16	3/4	1,557.34	3/4	1,740.82
7/8	131.48	7/8	294.96	7/8	467.45	7/8	646.89	7/8	830.33	7/8	1,012.53	7/8	1,194.85	7/8	1,377.97	7/8	1,561.16	7/8	1,744.65

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (2" STANDPIPE) LOCATED 13'-01" OFF CENTERLINE AND 48'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "KIRBY 27716"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,748.47	6	1,931.95	0	2,115.43	6	2,298.91	0	2,482.38	6	2,665.86	0	2,849.33	6	3,032.81	0	3,216.28	6	3,399.76
1/8	1,752.29	1/8	1,935.78	1/8	2,119.25	1/8	2,302.73	1/8	2,486.20	1/8	2,669.68	1/8	2,853.15	1/8	3,036.63	1/8	3,220.10	1/8	3,403.58
1/4	1,756.11	1/4	1,939.60	1/4	2,123.08	1/4	2,306.55	1/4	2,490.03	1/4	2,673.50	1/4	2,856.98	1/4	3,040.45	1/4	3,223.93	1/4	3,407.40
3/8	1,759.94	3/8	1,943.42	3/8	2,126.90	3/8	2,310.37	3/8	2,493.85	3/8	2,677.32	3/8	2,860.80	3/8	3,044.27	3/8	3,227.75	3/8	3,411.22
1/2	1,763.76	1/2	1,947.24	1/2	2,130.72	1/2	2,314.20	1/2	2,497.67	1/2	2,681.15	1/2	2,864.62	1/2	3,048.10	1/2	3,231.57	1/2	3,415.05
5/8	1,767.58	5/8	1,951.07	5/8	2,134.54	5/8	2,318.02	5/8	2,501.49	5/8	2,684.97	5/8	2,868.44	5/8	3,051.92	5/8	3,235.39	5/8	3,418.87
3/4	1,771.40	3/4	1,954.89	3/4	2,138.37	3/4	2,321.84	3/4	2,505.32	3/4	2,688.79	3/4	2,872.27	3/4	3,055.74	3/4	3,239.22	3/4	3,422.69
7/8	1,775.23	7/8	1,958.71	7/8	2,142.19	7/8	2,325.66	7/8	2,509.14	7/8	2,692.61	7/8	2,876.09	7/8	3,059.56	7/8	3,243.04	7/8	3,426.51
1	1,779.05	7	1,962.53	1	2,146.01	7	2,329.49	1	2,512.96	7	2,696.44	1	2,879.91	7	3,063.39	1	3,246.86	7	3,430.34
1/8	1,782.87	1/8	1,966.36	1/8	2,149.83	1/8	2,333.31	1/8	2,516.78	1/8	2,700.26	1/8	2,883.73	1/8	3,067.21	1/8	3,250.68	1/8	3,434.16
1/4	1,786.69	1/4	1,970.18	1/4	2,153.66	1/4	2,337.13	1/4	2,520.61	1/4	2,704.08	1/4	2,887.56	1/4	3,071.03	1/4	3,254.51	1/4	3,437.98
3/8	1,790.52	3/8	1,974.00	3/8	2,157.48	3/8	2,340.95	3/8	2,524.43	3/8	2,707.90	3/8	2,891.38	3/8	3,074.85	3/8	3,258.33	3/8	3,441.80
1/2	1,794.34	1/2	1,977.82	1/2	2,161.30	1/2	2,344.78	1/2	2,528.25	1/2	2,711.73	1/2	2,895.20	1/2	3,078.68	1/2	3,262.15	1/2	3,445.63
5/8	1,798.16	5/8	1,981.65	5/8	2,165.12	5/8	2,348.60	5/8	2,532.07	5/8	2,715.55	5/8	2,899.02	5/8	3,082.50	5/8	3,265.97	5/8	3,449.45
3/4	1,801.98	3/4	1,985.47	3/4	2,168.94	3/4	2,352.42	3/4	2,535.90	3/4	2,719.37	3/4	2,902.85	3/4	3,086.32	3/4	3,269.80	3/4	3,453.27
7/8	1,805.81	7/8	1,989.29	7/8	2,172.77	7/8	2,356.24	7/8	2,539.72	7/8	2,723.19	7/8	2,906.67	7/8	3,090.14	7/8	3,273.62	7/8	3,457.09
2	1,809.63	8	1,993.11	2	2,176.59	8	2,360.06	2	2,543.54	8	2,727.02	2	2,910.49	8	3,093.97	2	3,277.44	8	3,460.92
1/8	1,813.45	1/8	1,996.94	1/8	2,180.41	1/8	2,363.89	1/8	2,547.36	1/8	2,730.84	1/8	2,914.31	1/8	3,097.79	1/8	3,281.26	1/8	3,464.74
1/4	1,817.27	1/4	2,000.76	1/4	2,184.23	1/4	2,367.71	1/4	2,551.18	1/4	2,734.66	1/4	2,918.14	1/4	3,101.61	1/4	3,285.09	1/4	3,468.56
3/8	1,821.10	3/8	2,004.58	3/8	2,188.06	3/8	2,371.53	3/8	2,555.01	3/8	2,738.48	3/8	2,921.96	3/8	3,105.43	3/8	3,288.91	3/8	3,472.38
1/2	1,824.92	1/2	2,008.40	1/2	2,191.88	1/2	2,375.35	1/2	2,558.83	1/2	2,742.30	1/2	2,925.78	1/2	3,109.26	1/2	3,292.73	1/2	3,476.21
5/8	1,828.74	5/8	2,012.23	5/8	2,195.70	5/8	2,379.18	5/8	2,562.65	5/8	2,746.13	5/8	2,929.60	5/8	3,113.08	5/8	3,296.55	5/8	3,480.03
3/4	1,832.57	3/4	2,016.05	3/4	2,199.52	3/4	2,383.00	3/4	2,566.47	3/4	2,749.95	3/4	2,933.42	3/4	3,116.90	3/4	3,300.38	3/4	3,483.85
7/8	1,836.39	7/8	2,019.87	7/8	2,203.35	7/8	2,386.82	7/8	2,570.30	7/8	2,753.77	7/8	2,937.25	7/8	3,120.72	7/8	3,304.20	7/8	3,487.67
3	1,840.21	9	2,023.69	3	2,207.17	9	2,390.64	3	2,574.12	9	2,757.59	3	2,941.07	9	3,124.54	3	3,308.02	9	3,491.50
1/8	1,844.03	1/8	2,027.52	1/8	2,210.99	1/8	2,394.47	1/8	2,577.94	1/8	2,761.42	1/8	2,944.89	1/8	3,128.37	1/8	3,311.84	1/8	3,495.32
1/4	1,847.86	1/4	2,031.34	1/4	2,214.81	1/4	2,398.29	1/4	2,581.76	1/4	2,765.24	1/4	2,948.71	1/4	3,132.19	1/4	3,315.66	1/4	3,499.14
3/8	1,851.68	3/8	2,035.16	3/8	2,218.64	3/8	2,402.11	3/8	2,585.59	3/8	2,769.06	3/8	2,952.54	3/8	3,136.01	3/8	3,319.49	3/8	3,502.96
1/2	1,855.50	1/2	2,038.98	1/2	2,222.46	1/2	2,405.93	1/2	2,589.41	1/2	2,772.88	1/2	2,956.36	1/2	3,139.83	1/2	3,323.31	1/2	3,506.78
5/8	1,859.32	5/8	2,042.81	5/8	2,226.28	5/8	2,409.76	5/8	2,593.23	5/8	2,776.71	5/8	2,960.18	5/8	3,143.66	5/8	3,327.13	5/8	3,510.61
3/4	1,863.15	3/4	2,046.63	3/4	2,230.10	3/4	2,413.58	3/4	2,597.05	3/4	2,780.53	3/4	2,964.00	3/4	3,147.48	3/4	3,330.95	3/4	3,514.43
7/8	1,866.97	7/8	2,050.45	7/8	2,233.93	7/8	2,417.40	7/8	2,600.88	7/8	2,784.35	7/8	2,967.83	7/8	3,151.30	7/8	3,334.78	7/8	3,518.25
4	1,870.79	10	2,054.27	4	2,237.75	10	2,421.22	4	2,604.70	10	2,788.17	4	2,971.65	10	3,155.12	4	3,338.60	10	3,522.07
1/8	1,874.61	1/8	2,058.10	1/8	2,241.57	1/8	2,425.05	1/8	2,608.52	1/8	2,792.00	1/8	2,975.47	1/8	3,158.95	1/8	3,342.42	1/8	3,525.90
1/4	1,878.44	1/4	2,061.92	1/4	2,245.39	1/4	2,428.87	1/4	2,612.34	1/4	2,795.82	1/4	2,979.29	1/4	3,162.77	1/4	3,346.24	1/4	3,529.72
3/8	1,882.26	3/8	2,065.74	3/8	2,249.22	3/8	2,432.69	3/8	2,616.17	3/8	2,799.64	3/8	2,983.12	3/8	3,166.59	3/8	3,350.07	3/8	3,533.54
1/2	1,886.08	1/2	2,069.56	1/2	2,253.04	1/2	2,436.51	1/2	2,619.99	1/2	2,803.46	1/2	2,986.94	1/2	3,170.41	1/2	3,353.89	1/2	3,537.36
5/8	1,889.90	5/8	2,073.38	5/8	2,256.86	5/8	2,440.34	5/8	2,623.81	5/8	2,807.29	5/8	2,990.76	5/8	3,174.24	5/8	3,357.71	5/8	3,541.19
3/4	1,893.73	3/4	2,077.21	3/4	2,260.68	3/4	2,444.16	3/4	2,627.63	3/4	2,811.11	3/4	2,994.58	3/4	3,178.06	3/4	3,361.53	3/4	3,545.01
7/8	1,897.55	7/8	2,081.03	7/8	2,264.50	7/8	2,447.98	7/8	2,631.46	7/8	2,814.93	7/8	2,998.41	7/8	3,181.88	7/8	3,365.36	7/8	3,548.83
5	1,901.37	11	2,084.85	5	2,268.33	11	2,451.80	5	2,635.28	11	2,818.75	5	3,002.23	11	3,185.70	5	3,369.18	11	3,552.65
1/8	1,905.19	1/8	2,088.67	1/8	2,272.15	1/8	2,455.62	1/8	2,639.10	1/8	2,822.58	1/8	3,006.05	1/8	3,189.53	1/8	3,373.00	1/8	3,556.48
1/4	1,909.02	1/4	2,092.50	1/4	2,275.97	1/4	2,459.45	1/4	2,642.92	1/4	2,826.40	1/4	3,009.87	1/4	3,193.35	1/4	3,376.82	1/4	3,560.30
3/8	1,912.84	3/8	2,096.32	3/8	2,279.79	3/8	2,463.27	3/8	2,646.74	3/8	2,830.22	3/8	3,013.70	3/8	3,197.17	3/8	3,380.65	3/8	3,564.12
1/2	1,916.66	1/2	2,100.14	1/2	2,283.62	1/2	2,467.09	1/2	2,650.57	1/2	2,834.04	1/2	3,017.52	1/2	3,200.99	1/2	3,384.47	1/2	3,567.94
5/8	1,920.48	5/8	2,103.96	5/8	2,287.44	5/8	2,470.91	5/8	2,654.39	5/8	2,837.86	5/8	3,021.34	5/8	3,204.82	5/8	3,388.29	5/8	3,571.77
3/4	1,924.31	3/4	2,107.79	3/4	2,291.26	3/4	2,474.74	3/4	2,658.21	3/4	2,841.69	3/4	3,025.16	3/4	3,208.64	3/4	3,392.11	3/4	3,575.59
7/8	1,928.13	7/8	2,111.61	7/8	2,295.08	7/8	2,478.56	7/8	2,662.03	7/8	2,845.51	7/8	3,028.98	7/8	3,212.46	7/8	3,395.94	7/8	3,579.41

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 27716"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	3,583.23	6	3,766.71	0	3,949.03	6	4,126.41	0	4,298.45	6	4,463.25	0	4,622.75	6	4,790.95	0	6		
1/8	3,587.06	1/8	3,770.53	1/8	3,952.77	1/8	4,130.04	1/8	4,301.94	1/8	4,466.61	1/8	4,626.01	1/8	4,794.37	1/8	1/8		
1/4	3,590.88	1/4	3,774.35	1/4	3,956.52	1/4	4,133.67	1/4	4,305.43	1/4	4,469.98	1/4	4,629.27	1/4	4,797.79	1/4	1/4		
3/8	3,594.70	3/8	3,778.18	3/8	3,960.26	3/8	4,137.31	3/8	4,308.92	3/8	4,473.35	3/8	4,632.53	3/8	4,801.21	3/8	3/8		
1/2	3,598.52	1/2	3,782.00	1/2	3,964.00	1/2	4,140.94	1/2	4,312.41	1/2	4,476.72	1/2	4,635.78	1/2	4,804.63	1/2	1/2		
5/8	3,602.34	5/8	3,785.82	5/8	3,967.74	5/8	4,144.57	5/8	4,315.90	5/8	4,480.08	5/8	4,639.04	5/8	4,808.06	5/8	5/8		
3/4	3,606.17	3/4	3,789.64	3/4	3,971.48	3/4	4,148.20	3/4	4,319.39	3/4	4,483.45	3/4	4,642.30	3/4	4,811.48	3/4	3/4		
7/8	3,609.99	7/8	3,793.46	7/8	3,975.22	7/8	4,151.84	7/8	4,322.88	7/8	4,486.82	7/8	4,645.56	7/8	4,814.90	7/8	7/8		
1	3,613.81	7	3,797.29	1	3,978.96	7	4,155.47	1	4,326.36	7	4,490.18	1	4,648.82	7	4,818.32	1	7		
1/8	3,617.63	1/8	3,801.11	1/8	3,982.68	1/8	4,159.08	1/8	4,329.82	1/8	4,493.53	1/8	4,652.06	1/8	4,821.64	1/8	1/8		
1/4	3,621.46	1/4	3,804.93	1/4	3,986.40	1/4	4,162.70	1/4	4,333.28	1/4	4,496.89	1/4	4,655.30	1/4	4,824.96	1/4	1/4		
3/8	3,625.28	3/8	3,808.75	3/8	3,990.12	3/8	4,166.31	3/8	4,336.74	3/8	4,500.24	3/8	4,658.54	3/8	4,828.28	3/8	3/8		
1/2	3,629.10	1/2	3,812.58	1/2	3,993.85	1/2	4,169.93	1/2	4,340.20	1/2	4,503.59	1/2	4,661.78	1/2	4,831.60	1/2	1/2		
5/8	3,632.92	5/8	3,816.40	5/8	3,997.57	5/8	4,173.54	5/8	4,343.66	5/8	4,506.94	5/8	4,665.01	5/8	4,834.92	5/8	5/8		
3/4	3,636.75	3/4	3,820.22	3/4	4,001.29	3/4	4,177.15	3/4	4,347.12	3/4	4,510.29	3/4	4,668.25	3/4	4,838.24	3/4	3/4		
7/8	3,640.57	7/8	3,824.04	7/8	4,005.01	7/8	4,180.77	7/8	4,350.58	7/8	4,513.64	7/8	4,671.49	7/8	4,841.56	7/8	7/8		
2	3,644.39	8	3,827.86	2	4,008.73	8	4,184.38	2	4,354.04	8	4,516.99	2	4,674.73	8	4,844.88	2	8		
1/8	3,648.21	1/8	3,831.68	1/8	4,012.44	1/8	4,187.98	1/8	4,357.48	1/8	4,520.32	1/8	4,678.10	1/8	4,848.20	1/8	1/8		
1/4	3,652.04	1/4	3,835.49	1/4	4,016.14	1/4	4,191.57	1/4	4,360.92	1/4	4,523.66	1/4	4,681.46	1/4	4,851.52	1/4	1/4		
3/8	3,655.86	3/8	3,839.30	3/8	4,019.84	3/8	4,195.17	3/8	4,364.36	3/8	4,526.99	3/8	4,684.83	3/8	4,854.84	3/8	3/8		
1/2	3,659.68	1/2	3,843.11	1/2	4,023.55	1/2	4,198.76	1/2	4,367.80	1/2	4,530.32	1/2	4,688.19	1/2	4,858.16	1/2	1/2		
5/8	3,663.50	5/8	3,846.93	5/8	4,027.25	5/8	4,202.36	5/8	4,371.24	5/8	4,533.65	5/8	4,691.56	5/8	4,861.48	5/8	5/8		
3/4	3,667.33	3/4	3,850.74	3/4	4,030.95	3/4	4,205.96	3/4	4,374.68	3/4	4,536.99	3/4	4,694.93	3/4	4,864.80	3/4	3/4		
7/8	3,671.15	7/8	3,854.55	7/8	4,034.65	7/8	4,209.55	7/8	4,378.13	7/8	4,540.32	7/8	4,698.29	7/8	4,868.12	7/8	7/8		
3	3,674.97	9	3,858.36	3	4,038.36	9	4,213.15	3	4,381.57	9	4,543.65	3	4,701.66	9	4,871.44	3	9		
1/8	3,678.79	1/8	3,862.16	1/8	4,042.04	1/8	4,216.72	1/8	4,384.99	1/8	4,546.97	1/8	4,705.00	1/8	4,874.76	1/8	1/8		
1/4	3,682.62	1/4	3,865.96	1/4	4,045.73	1/4	4,220.30	1/4	4,388.41	1/4	4,550.28	1/4	4,708.94	1/4	4,878.08	1/4	1/4		
3/8	3,686.44	3/8	3,869.75	3/8	4,049.41	3/8	4,223.88	3/8	4,391.83	3/8	4,553.60	3/8	4,712.58	3/8	4,881.40	3/8	3/8		
1/2	3,690.26	1/2	3,873.55	1/2	4,053.10	1/2	4,227.45	1/2	4,395.25	1/2	4,556.91	1/2	4,716.22	1/2	4,884.72	1/2	1/2		
5/8	3,694.08	5/8	3,877.35	5/8	4,056.78	5/8	4,231.03	5/8	4,398.68	5/8	4,560.23	5/8	4,719.86	5/8	4,888.04	5/8	5/8		
3/4	3,697.90	3/4	3,881.14	3/4	4,060.47	3/4	4,234.61	3/4	4,402.10	3/4	4,563.54	3/4	4,723.50	3/4	4,891.36	3/4	3/4		
7/8	3,701.73	7/8	3,884.94	7/8	4,064.16	7/8	4,238.18	7/8	4,405.52	7/8	4,566.86	7/8	4,727.14	7/8	4,894.68	7/8	7/8		
4	3,705.55	10	3,888.74	4	4,067.84	10	4,241.76	4	4,408.94	10	4,570.17	4	4,730.78	10	4,897.96	4	10		
1/8	3,709.37	1/8	3,892.51	1/8	4,071.51	1/8	4,245.32	1/8	4,412.35	1/8	4,573.47	1/8	4,734.56	1/8	4,901.28	1/8	1/8		
1/4	3,713.19	1/4	3,896.29	1/4	4,075.18	1/4	4,248.88	1/4	4,415.75	1/4	4,576.76	1/4	4,738.34	1/4	4,904.60	1/4	1/4		
3/8	3,717.02	3/8	3,900.07	3/8	4,078.85	3/8	4,252.43	3/8	4,419.15	3/8	4,580.06	3/8	4,742.12	3/8	4,907.92	3/8	3/8		
1/2	3,720.84	1/2	3,903.85	1/2	4,082.52	1/2	4,255.99	1/2	4,422.56	1/2	4,583.35	1/2	4,745.90	1/2	4,911.24	1/2	1/2		
5/8	3,724.66	5/8	3,907.63	5/8	4,086.19	5/8	4,259.55	5/8	4,425.96	5/8	4,586.65	5/8	4,749.68	5/8	4,914.56	5/8	5/8		
3/4	3,728.48	3/4	3,911.40	3/4	4,089.86	3/4	4,263.11	3/4	4,429.36	3/4	4,589.94	3/4	4,753.46	3/4	4,917.88	3/4	3/4		
7/8	3,732.31	7/8	3,915.18	7/8	4,093.53	7/8	4,266.67	7/8	4,432.77	7/8	4,593.24	7/8	4,757.24	7/8	4,921.20	7/8	7/8		
5	3,736.13	11	3,918.96	5	4,097.19	11	4,270.22	5	4,436.17	11	4,596.54	5	4,761.02	11	4,924.52	5	11		
1/8	3,739.95	1/8	3,922.72	1/8	4,100.85	1/8	4,273.75	1/8	4,439.55	1/8	4,599.81	1/8	4,764.76	1/8	4,927.84	1/8	1/8		
1/4	3,743.77	1/4	3,926.48	1/4	4,104.50	1/4	4,277.28	1/4	4,442.94	1/4	4,603.09	1/4	4,768.50	1/4	4,931.16	1/4	1/4		
3/8	3,747.60	3/8	3,930.24	3/8	4,108.15	3/8	4,280.81	3/8	4,446.32	3/8	4,606.37	3/8	4,772.24	3/8	4,934.48	3/8	3/8		
1/2	3,751.42	1/2	3,934.00	1/2	4,111.80	1/2	4,284.34	1/2	4,449.71	1/2	4,609.64	1/2	4,775.98	1/2	4,937.80	1/2	1/2		
5/8	3,755.24	5/8	3,937.76	5/8	4,115.45	5/8	4,287.87	5/8	4,453.09	5/8	4,612.92	5/8	4,779.72	5/8	4,941.12	5/8	5/8		
3/4	3,759.06	3/4	3,941.52	3/4	4,119.10	3/4	4,291.40	3/4	4,456.48	3/4	4,616.20	3/4	4,783.46	3/4	4,944.44	3/4	3/4		
7/8	3,762.89	7/8	3,945.27	7/8	4,122.76	7/8	4,294.92	7/8	4,459.86	7/8	4,619.47	7/8	4,787.20	7/8	4,947.76	7/8	7/8		

STRAPPED: 11/25/2003 PMA  
RECOMPUTED: 11/05/2019 SW  
REPRINTED: 11/05/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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P.O. Box 2092  
Pearland, Texas 77588

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# BARGE "KIRBY 27716"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	3.59	6	134.45	0	298.10	6	470.28	0	649.87	6	833.12	0	1,015.75	6	1,198.50	0	1,381.37	6	1,564.34
1/8	5.37	1/8	137.74	1/8	301.66	1/8	473.75	1/8	653.69	1/8	836.93	1/8	1,019.55	1/8	1,202.32	1/8	1,385.17	1/8	1,568.16
1/4	7.15	1/4	141.03	1/4	305.22	1/4	477.22	1/4	657.50	1/4	840.75	1/4	1,023.36	1/4	1,206.14	1/4	1,388.98	1/4	1,571.97
3/8	8.93	3/8	144.33	3/8	308.78	3/8	480.69	3/8	661.32	3/8	844.56	3/8	1,027.16	3/8	1,209.95	3/8	1,392.78	3/8	1,575.79
1/2	10.71	1/2	147.62	1/2	312.33	1/2	484.17	1/2	665.14	1/2	848.37	1/2	1,030.96	1/2	1,213.77	1/2	1,396.59	1/2	1,579.61
5/8	12.49	5/8	150.91	5/8	315.89	5/8	487.64	5/8	668.96	5/8	852.18	5/8	1,034.77	5/8	1,217.59	5/8	1,400.39	5/8	1,583.43
3/4	14.27	3/4	154.20	3/4	319.45	3/4	491.11	3/4	672.78	3/4	855.99	3/4	1,038.57	3/4	1,221.41	3/4	1,404.19	3/4	1,587.24
7/8	16.05	7/8	157.50	7/8	323.01	7/8	494.58	7/8	676.59	7/8	859.80	7/8	1,042.37	7/8	1,225.22	7/8	1,408.00	7/8	1,591.06
1	17.83	7	160.79	1	326.57	7	498.05	1	680.41	7	863.61	1	1,046.18	7	1,229.04	1	1,411.80	7	1,594.88
1/8	20.58	1/8	164.13	1/8	330.17	1/8	501.76	1/8	684.23	1/8	867.42	1/8	1,049.98	1/8	1,232.86	1/8	1,415.60	1/8	1,598.70
1/4	23.34	1/4	167.47	1/4	333.76	1/4	505.46	1/4	688.05	1/4	871.22	1/4	1,053.78	1/4	1,236.68	1/4	1,419.41	1/4	1,602.51
3/8	26.09	3/8	170.81	3/8	337.35	3/8	509.17	3/8	691.86	3/8	875.02	3/8	1,057.59	3/8	1,240.50	3/8	1,423.21	3/8	1,606.33
1/2	28.84	1/2	174.15	1/2	340.95	1/2	512.87	1/2	695.68	1/2	878.83	1/2	1,061.39	1/2	1,244.31	1/2	1,427.02	1/2	1,610.15
5/8	31.60	5/8	177.49	5/8	344.54	5/8	516.58	5/8	699.50	5/8	882.63	5/8	1,065.19	5/8	1,248.13	5/8	1,430.82	5/8	1,613.97
3/4	34.35	3/4	180.83	3/4	348.14	3/4	520.29	3/4	703.32	3/4	886.44	3/4	1,069.00	3/4	1,251.95	3/4	1,434.62	3/4	1,617.78
7/8	37.10	7/8	184.17	7/8	351.73	7/8	523.99	7/8	707.14	7/8	890.24	7/8	1,072.80	7/8	1,255.77	7/8	1,438.43	7/8	1,621.60
2	39.85	8	187.51	2	355.33	8	527.70	2	710.95	8	894.05	2	1,076.60	8	1,259.59	2	1,442.23	8	1,625.42
1/8	42.84	1/8	190.90	1/8	358.96	1/8	531.51	1/8	714.77	1/8	897.85	1/8	1,080.41	1/8	1,263.40	1/8	1,446.04	1/8	1,629.24
1/4	45.83	1/4	194.29	1/4	362.59	1/4	535.33	1/4	718.59	1/4	901.65	1/4	1,084.21	1/4	1,267.21	1/4	1,449.85	1/4	1,633.06
3/8	48.82	3/8	197.68	3/8	366.23	3/8	539.15	3/8	722.41	3/8	905.46	3/8	1,088.01	3/8	1,271.02	3/8	1,453.66	3/8	1,636.87
1/2	51.81	1/2	201.06	1/2	369.86	1/2	542.97	1/2	726.22	1/2	909.26	1/2	1,091.82	1/2	1,274.83	1/2	1,457.47	1/2	1,640.69
5/8	54.80	5/8	204.45	5/8	373.49	5/8	546.79	5/8	730.04	5/8	913.06	5/8	1,095.62	5/8	1,278.64	5/8	1,461.28	5/8	1,644.51
3/4	57.79	3/4	207.84	3/4	377.13	3/4	550.60	3/4	733.86	3/4	916.87	3/4	1,099.42	3/4	1,282.45	3/4	1,465.09	3/4	1,648.33
7/8	60.78	7/8	211.23	7/8	380.76	7/8	554.42	7/8	737.68	7/8	920.67	7/8	1,103.23	7/8	1,286.26	7/8	1,468.91	7/8	1,652.14
3	63.77	9	214.62	3	384.39	9	558.24	3	741.50	9	924.47	3	1,107.03	9	1,290.07	3	1,472.72	9	1,655.96
1/8	66.59	1/8	218.06	1/8	388.07	1/8	562.06	1/8	745.31	1/8	928.28	1/8	1,110.83	1/8	1,293.88	1/8	1,476.53	1/8	1,659.78
1/4	69.41	1/4	221.49	1/4	391.75	1/4	565.88	1/4	749.13	1/4	932.08	1/4	1,114.64	1/4	1,297.68	1/4	1,480.35	1/4	1,663.60
3/8	72.24	3/8	224.93	3/8	395.43	3/8	569.69	3/8	752.95	3/8	935.88	3/8	1,118.44	3/8	1,301.49	3/8	1,484.17	3/8	1,667.41
1/2	75.06	1/2	228.37	1/2	399.11	1/2	573.51	1/2	756.77	1/2	939.69	1/2	1,122.25	1/2	1,305.29	1/2	1,487.99	1/2	1,671.23
5/8	77.89	5/8	231.80	5/8	402.79	5/8	577.33	5/8	760.59	5/8	943.49	5/8	1,126.05	5/8	1,309.09	5/8	1,491.80	5/8	1,675.05
3/4	80.71	3/4	235.24	3/4	406.47	3/4	581.15	3/4	764.40	3/4	947.29	3/4	1,129.86	3/4	1,312.90	3/4	1,495.62	3/4	1,678.87
7/8	83.54	7/8	238.67	7/8	410.15	7/8	584.97	7/8	768.22	7/8	951.10	7/8	1,133.66	7/8	1,316.70	7/8	1,499.44	7/8	1,682.68
4	86.36	10	242.11	4	413.83	10	588.78	4	772.04	10	954.90	4	1,137.46	10	1,320.51	4	1,503.26	10	1,686.50
1/8	89.23	1/8	245.59	1/8	417.45	1/8	592.60	1/8	775.86	1/8	958.70	1/8	1,141.27	1/8	1,324.31	1/8	1,507.07	1/8	1,690.32
1/4	92.10	1/4	249.07	1/4	421.06	1/4	596.42	1/4	779.67	1/4	962.51	1/4	1,145.09	1/4	1,328.11	1/4	1,510.89	1/4	1,694.14
3/8	94.98	3/8	252.54	3/8	424.68	3/8	600.24	3/8	783.49	3/8	966.31	3/8	1,148.90	3/8	1,331.92	3/8	1,514.71	3/8	1,697.95
1/2	97.85	1/2	256.02	1/2	428.30	1/2	604.05	1/2	787.31	1/2	970.11	1/2	1,152.71	1/2	1,335.72	1/2	1,518.53	1/2	1,701.77
5/8	100.72	5/8	259.50	5/8	431.91	5/8	607.87	5/8	791.13	5/8	973.92	5/8	1,156.52	5/8	1,339.53	5/8	1,522.34	5/8	1,705.59
3/4	103.60	3/4	262.98	3/4	435.53	3/4	611.69	3/4	794.95	3/4	977.72	3/4	1,160.33	3/4	1,343.33	3/4	1,526.16	3/4	1,709.41
7/8	106.47	7/8	266.46	7/8	439.15	7/8	615.51	7/8	798.76	7/8	981.52	7/8	1,164.14	7/8	1,347.13	7/8	1,529.98	7/8	1,713.22
5	109.34	11	269.93	5	442.77	11	619.33	5	802.58	11	985.32	5	1,167.96	11	1,350.94	5	1,533.80	11	1,717.04
1/8	112.48	1/8	273.45	1/8	446.21	1/8	623.14	1/8	806.40	1/8	989.13	1/8	1,171.77	1/8	1,354.74	1/8	1,537.62	1/8	1,720.86
1/4	115.62	1/4	276.97	1/4	449.65	1/4	626.96	1/4	810.22	1/4	992.93	1/4	1,175.59	1/4	1,358.55	1/4	1,541.43	1/4	1,724.68
3/8	118.76	3/8	280.50	3/8	453.08	3/8	630.78	3/8	814.03	3/8	996.73	3/8	1,179.41	3/8	1,362.35	3/8	1,545.25	3/8	1,728.50
1/2	121.89	1/2	284.02	1/2	456.52	1/2	634.60	1/2	817.85	1/2	1,000.54	1/2	1,183.23	1/2	1,366.15	1/2	1,549.07	1/2	1,732.31
5/8	125.03	5/8	287.54	5/8	459.96	5/8	638.42	5/8	821.67	5/8	1,004.34	5/8	1,187.05	5/8	1,369.96	5/8	1,552.89	5/8	1,736.13
3/4	128.17	3/4	291.06	3/4	463.40	3/4	642.23	3/4	825.49	3/4	1,008.14	3/4	1,190.86	3/4	1,373.76	3/4	1,556.70	3/4	1,739.95
7/8	131.31	7/8	294.58	7/8	466.84	7/8	646.05	7/8	829.31	7/8	1,011.95	7/8	1,194.68	7/8	1,377.57	7/8	1,560.52	7/8	1,743.77

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (2" STANDPIPE) LOCATED 13'-01" OFF CENTERLINE AND 48'-03" FORWARD OF AFT BULKHEAD.

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 27716"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,747.58	6	1,930.83	0	2,114.06	6	2,297.30	0	2,480.53	6	2,663.77	0	2,847.00	6	3,030.24	0	3,213.47	6	3,396.71
1/8	1,751.40	1/8	1,934.65	1/8	2,117.88	1/8	2,301.12	1/8	2,484.35	1/8	2,667.59	1/8	2,850.82	1/8	3,034.06	1/8	3,217.29	1/8	3,400.53
1/4	1,755.22	1/4	1,938.46	1/4	2,121.70	1/4	2,304.93	1/4	2,488.17	1/4	2,671.40	1/4	2,854.64	1/4	3,037.87	1/4	3,221.11	1/4	3,404.34
3/8	1,759.04	3/8	1,942.28	3/8	2,125.51	3/8	2,308.75	3/8	2,491.99	3/8	2,675.22	3/8	2,858.46	3/8	3,041.69	3/8	3,224.93	3/8	3,408.16
1/2	1,762.85	1/2	1,946.10	1/2	2,129.33	1/2	2,312.57	1/2	2,495.80	1/2	2,679.04	1/2	2,862.27	1/2	3,045.51	1/2	3,228.74	1/2	3,411.98
5/8	1,766.67	5/8	1,949.92	5/8	2,133.15	5/8	2,316.38	5/8	2,499.62	5/8	2,682.86	5/8	2,866.09	5/8	3,049.33	5/8	3,232.56	5/8	3,415.80
3/4	1,770.49	3/4	1,953.73	3/4	2,136.97	3/4	2,320.20	3/4	2,503.44	3/4	2,686.67	3/4	2,869.91	3/4	3,053.14	3/4	3,236.38	3/4	3,419.61
7/8	1,774.31	7/8	1,957.55	7/8	2,140.78	7/8	2,324.02	7/8	2,507.25	7/8	2,690.49	7/8	2,873.73	7/8	3,056.96	7/8	3,240.20	7/8	3,423.43
1	1,778.12	7	1,961.37	1	2,144.60	7	2,327.84	1	2,511.07	7	2,694.31	1	2,877.54	7	3,060.78	1	3,244.01	7	3,427.25
1/8	1,781.94	1/8	1,965.19	1/8	2,148.42	1/8	2,331.65	1/8	2,514.89	1/8	2,698.12	1/8	2,881.36	1/8	3,064.60	1/8	3,247.83	1/8	3,431.07
1/4	1,785.76	1/4	1,969.00	1/4	2,152.24	1/4	2,335.47	1/4	2,518.71	1/4	2,701.94	1/4	2,885.18	1/4	3,068.41	1/4	3,251.65	1/4	3,434.88
3/8	1,789.58	3/8	1,972.82	3/8	2,156.05	3/8	2,339.29	3/8	2,522.52	3/8	2,705.76	3/8	2,888.99	3/8	3,072.23	3/8	3,255.47	3/8	3,438.70
1/2	1,793.39	1/2	1,976.64	1/2	2,159.87	1/2	2,343.11	1/2	2,526.34	1/2	2,709.58	1/2	2,892.81	1/2	3,076.05	1/2	3,259.28	1/2	3,442.52
5/8	1,797.21	5/8	1,980.45	5/8	2,163.69	5/8	2,346.92	5/8	2,530.16	5/8	2,713.39	5/8	2,896.63	5/8	3,079.86	5/8	3,263.10	5/8	3,446.34
3/4	1,801.03	3/4	1,984.27	3/4	2,167.51	3/4	2,350.74	3/4	2,533.98	3/4	2,717.21	3/4	2,900.45	3/4	3,083.68	3/4	3,266.92	3/4	3,450.15
7/8	1,804.85	7/8	1,988.09	7/8	2,171.32	7/8	2,354.56	7/8	2,537.79	7/8	2,721.03	7/8	2,904.26	7/8	3,087.50	7/8	3,270.73	7/8	3,453.97
2	1,808.66	8	1,991.91	2	2,175.14	8	2,358.38	2	2,541.61	8	2,724.85	2	2,908.08	8	3,091.32	2	3,274.55	8	3,457.79
1/8	1,812.48	1/8	1,995.72	1/8	2,178.96	1/8	2,362.19	1/8	2,545.43	1/8	2,728.66	1/8	2,911.90	1/8	3,095.13	1/8	3,278.37	1/8	3,461.60
1/4	1,816.30	1/4	1,999.54	1/4	2,182.78	1/4	2,366.01	1/4	2,549.25	1/4	2,732.48	1/4	2,915.72	1/4	3,098.95	1/4	3,282.19	1/4	3,465.42
3/8	1,820.12	3/8	2,003.36	3/8	2,186.59	3/8	2,369.83	3/8	2,553.06	3/8	2,736.30	3/8	2,919.53	3/8	3,102.77	3/8	3,286.00	3/8	3,469.24
1/2	1,823.94	1/2	2,007.18	1/2	2,190.41	1/2	2,373.65	1/2	2,556.88	1/2	2,740.12	1/2	2,923.35	1/2	3,106.59	1/2	3,289.82	1/2	3,473.06
5/8	1,827.75	5/8	2,010.99	5/8	2,194.23	5/8	2,377.46	5/8	2,560.70	5/8	2,743.93	5/8	2,927.17	5/8	3,110.40	5/8	3,293.64	5/8	3,476.87
3/4	1,831.57	3/4	2,014.81	3/4	2,198.05	3/4	2,381.28	3/4	2,564.52	3/4	2,747.75	3/4	2,930.99	3/4	3,114.22	3/4	3,297.46	3/4	3,480.69
7/8	1,835.39	7/8	2,018.63	7/8	2,201.86	7/8	2,385.10	7/8	2,568.33	7/8	2,751.57	7/8	2,934.80	7/8	3,118.04	7/8	3,301.27	7/8	3,484.51
3	1,839.21	9	2,022.44	3	2,205.68	9	2,388.92	3	2,572.15	9	2,755.39	3	2,938.62	9	3,121.86	3	3,305.09	9	3,488.33
1/8	1,843.02	1/8	2,026.26	1/8	2,209.50	1/8	2,392.73	1/8	2,575.97	1/8	2,759.20	1/8	2,942.44	1/8	3,125.67	1/8	3,308.91	1/8	3,492.14
1/4	1,846.84	1/4	2,030.08	1/4	2,213.31	1/4	2,396.55	1/4	2,579.79	1/4	2,763.02	1/4	2,946.26	1/4	3,129.49	1/4	3,312.73	1/4	3,495.96
3/8	1,850.66	3/8	2,033.90	3/8	2,217.13	3/8	2,400.37	3/8	2,583.60	3/8	2,766.84	3/8	2,950.07	3/8	3,133.31	3/8	3,316.54	3/8	3,499.78
1/2	1,854.48	1/2	2,037.71	1/2	2,220.95	1/2	2,404.18	1/2	2,587.42	1/2	2,770.66	1/2	2,953.89	1/2	3,137.13	1/2	3,320.36	1/2	3,503.60
5/8	1,858.29	5/8	2,041.53	5/8	2,224.77	5/8	2,408.00	5/8	2,591.24	5/8	2,774.47	5/8	2,957.71	5/8	3,140.94	5/8	3,324.18	5/8	3,507.41
3/4	1,862.11	3/4	2,045.35	3/4	2,228.58	3/4	2,411.82	3/4	2,595.05	3/4	2,778.29	3/4	2,961.53	3/4	3,144.76	3/4	3,328.00	3/4	3,511.23
7/8	1,865.93	7/8	2,049.17	7/8	2,232.40	7/8	2,415.64	7/8	2,598.87	7/8	2,782.11	7/8	2,965.34	7/8	3,148.58	7/8	3,331.81	7/8	3,515.05
4	1,869.75	10	2,052.98	4	2,236.22	10	2,419.45	4	2,602.69	10	2,785.92	4	2,969.16	10	3,152.40	4	3,335.63	10	3,518.87
1/8	1,873.56	1/8	2,056.80	1/8	2,240.04	1/8	2,423.27	1/8	2,606.51	1/8	2,789.74	1/8	2,972.98	1/8	3,156.21	1/8	3,339.45	1/8	3,522.68
1/4	1,877.38	1/4	2,060.62	1/4	2,243.85	1/4	2,427.09	1/4	2,610.32	1/4	2,793.56	1/4	2,976.79	1/4	3,160.03	1/4	3,343.27	1/4	3,526.50
3/8	1,881.20	3/8	2,064.44	3/8	2,247.67	3/8	2,430.91	3/8	2,614.14	3/8	2,797.38	3/8	2,980.61	3/8	3,163.85	3/8	3,347.08	3/8	3,530.32
1/2	1,885.02	1/2	2,068.25	1/2	2,251.49	1/2	2,434.72	1/2	2,617.96	1/2	2,801.19	1/2	2,984.43	1/2	3,167.66	1/2	3,350.90	1/2	3,534.14
5/8	1,888.83	5/8	2,072.07	5/8	2,255.31	5/8	2,438.54	5/8	2,621.78	5/8	2,805.01	5/8	2,988.25	5/8	3,171.48	5/8	3,354.72	5/8	3,537.95
3/4	1,892.65	3/4	2,075.89	3/4	2,259.12	3/4	2,442.36	3/4	2,625.59	3/4	2,808.83	3/4	2,992.06	3/4	3,175.30	3/4	3,358.53	3/4	3,541.77
7/8	1,896.47	7/8	2,079.71	7/8	2,262.94	7/8	2,446.18	7/8	2,629.41	7/8	2,812.65	7/8	2,995.88	7/8	3,179.12	7/8	3,362.35	7/8	3,545.59
5	1,900.29	11	2,083.52	5	2,266.76	11	2,449.99	5	2,633.23	11	2,816.46	5	2,999.70	11	3,182.93	5	3,366.17	11	3,549.40
1/8	1,904.10	1/8	2,087.34	1/8	2,270.58	1/8	2,453.81	1/8	2,637.05	1/8	2,820.28	1/8	3,003.52	1/8	3,186.75	1/8	3,369.99	1/8	3,553.22
1/4	1,907.92	1/4	2,091.16	1/4	2,274.39	1/4	2,457.63	1/4	2,640.86	1/4	2,824.10	1/4	3,007.33	1/4	3,190.57	1/4	3,373.80	1/4	3,557.04
3/8	1,911.74	3/8	2,094.98	3/8	2,278.21	3/8	2,461.45	3/8	2,644.68	3/8	2,827.92	3/8	3,011.15	3/8	3,194.39	3/8	3,377.62	3/8	3,560.86
1/2	1,915.56	1/2	2,098.79	1/2	2,282.03	1/2	2,465.26	1/2	2,648.50	1/2	2,831.73	1/2	3,014.97	1/2	3,198.20	1/2	3,381.44	1/2	3,564.67
5/8	1,919.38	5/8	2,102.61	5/8	2,285.85	5/8	2,469.08	5/8	2,652.32	5/8	2,835.55	5/8	3,018.79	5/8	3,202.02	5/8	3,385.26	5/8	3,568.49
3/4	1,923.19	3/4	2,106.43	3/4	2,289.66	3/4	2,472.90	3/4	2,656.13	3/4	2,839.37	3/4	3,022.60	3/4	3,205.84	3/4	3,389.07	3/4	3,572.31
7/8	1,927.01	7/8	2,110.25	7/8	2,293.48	7/8	2,476.72	7/8	2,659.95	7/8	2,843.19	7/8	3,026.42	7/8	3,209.66	7/8	3,392.89	7/8	3,576.13

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 27716"

1 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	3,579.94	6	3,763.18	0	3,945.28	6	4,122.43	0	4,294.25	6	4,458.83	0	4,618.12	6	4,786.10	0	6		
1/8	3,583.76	1/8	3,767.00	1/8	3,949.02	1/8	4,126.05	1/8	4,297.73	1/8	4,462.19	1/8	4,621.38	1/8	4,789.52	1/8	1/8		
1/4	3,587.58	1/4	3,770.81	1/4	3,952.75	1/4	4,129.68	1/4	4,301.22	1/4	4,465.55	1/4	4,624.63	1/4	4,792.93	1/4	1/4		
3/8	3,591.40	3/8	3,774.63	3/8	3,956.49	3/8	4,133.31	3/8	4,304.70	3/8	4,468.91	3/8	4,627.88	3/8	4,796.35	3/8	3/8		
1/2	3,595.21	1/2	3,778.45	1/2	3,960.23	1/2	4,136.94	1/2	4,308.18	1/2	4,472.28	1/2	4,631.14	1/2	4,799.77	1/2	1/2		
5/8	3,599.03	5/8	3,782.27	5/8	3,963.96	5/8	4,140.57	5/8	4,311.67	5/8	4,475.64	5/8	4,634.39	5/8	4,803.19	5/8	5/8		
3/4	3,602.85	3/4	3,786.08	3/4	3,967.70	3/4	4,144.19	3/4	4,315.15	3/4	4,479.00	3/4	4,637.65	3/4	4,806.60	3/4	3/4		
7/8	3,606.67	7/8	3,789.90	7/8	3,971.43	7/8	4,147.82	7/8	4,318.64	7/8	4,482.37	7/8	4,640.90	7/8	4,810.02	7/8	7/8		
1	3,610.48	7	3,793.72	1	3,975.17	7	4,151.45	1	4,322.12	7	4,485.73	1	4,644.15	7	4,813.44	1	7		
1/8	3,614.30	1/8	3,797.54	1/8	3,978.89	1/8	4,155.06	1/8	4,325.58	1/8	4,489.07	1/8	4,647.39	1/8	4,816.88	1/8	1/8		
1/4	3,618.12	1/4	3,801.36	1/4	3,982.60	1/4	4,158.67	1/4	4,329.03	1/4	4,492.42	1/4	4,650.63	1/4	4,820.29	1/4	1/4		
3/8	3,621.94	3/8	3,805.18	3/8	3,986.32	3/8	4,162.28	3/8	4,332.49	3/8	4,495.77	3/8	4,653.86	3/8	4,823.72	3/8	3/8		
1/2	3,625.75	1/2	3,808.99	1/2	3,990.04	1/2	4,165.89	1/2	4,335.94	1/2	4,499.11	1/2	4,657.10	1/2	4,827.17	1/2	1/2		
5/8	3,629.57	5/8	3,812.81	5/8	3,993.75	5/8	4,169.50	5/8	4,339.40	5/8	4,502.46	5/8	4,660.33	5/8	4,830.64	5/8	5/8		
3/4	3,633.39	3/4	3,816.63	3/4	3,997.47	3/4	4,173.11	3/4	4,342.85	3/4	4,505.81	3/4	4,663.57	3/4	4,834.09	3/4	3/4		
7/8	3,637.21	7/8	3,820.45	7/8	4,001.19	7/8	4,176.72	7/8	4,346.31	7/8	4,509.15	7/8	4,666.80	7/8	4,837.54	7/8	7/8		
2	3,641.02	8	3,824.27	2	4,004.90	8	4,180.33	2	4,349.76	8	4,512.50	2	4,670.04	8	4,840.98	2	8		
1/8	3,644.84	1/8	3,828.08	1/8	4,008.60	1/8	4,183.92	1/8	4,353.20	1/8	4,515.83	1/8	4,673.40	1/8	4,844.43	1/8	1/8		
1/4	3,648.66	1/4	3,831.89	1/4	4,012.30	1/4	4,187.51	1/4	4,356.63	1/4	4,519.16	1/4	4,676.76	1/4	4,847.88	1/4	1/4		
3/8	3,652.47	3/8	3,835.69	3/8	4,016.00	3/8	4,191.10	3/8	4,360.07	3/8	4,522.48	3/8	4,680.12	3/8	4,851.33	3/8	3/8		
1/2	3,656.29	1/2	3,839.50	1/2	4,019.70	1/2	4,194.69	1/2	4,363.51	1/2	4,525.81	1/2	4,683.48	1/2	4,854.78	1/2	1/2		
5/8	3,660.11	5/8	3,843.31	5/8	4,023.40	5/8	4,198.28	5/8	4,366.94	5/8	4,529.14	5/8	4,686.84	5/8	4,858.23	5/8	5/8		
3/4	3,663.93	3/4	3,847.12	3/4	4,027.09	3/4	4,201.87	3/4	4,370.38	3/4	4,532.47	3/4	4,690.20	3/4	4,861.68	3/4	3/4		
7/8	3,667.74	7/8	3,850.92	7/8	4,030.79	7/8	4,205.46	7/8	4,373.82	7/8	4,535.80	7/8	4,693.56	7/8	4,865.13	7/8	7/8		
3	3,671.56	9	3,854.73	3	4,034.49	9	4,209.05	3	4,377.25	9	4,539.13	3	4,696.92	9	4,868.57	3	9		
1/8	3,675.38	1/8	3,858.52	1/8	4,038.17	1/8	4,212.62	1/8	4,380.67	1/8	4,542.44	1/8	4,700.56	1/8	4,872.02	1/8	1/8		
1/4	3,679.20	1/4	3,862.31	1/4	4,041.85	1/4	4,216.20	1/4	4,384.09	1/4	4,545.75	1/4	4,704.20	1/4	4,875.47	1/4	1/4		
3/8	3,683.01	3/8	3,866.11	3/8	4,045.53	3/8	4,219.77	3/8	4,387.50	3/8	4,549.06	3/8	4,707.83	3/8	4,878.92	3/8	3/8		
1/2	3,686.83	1/2	3,869.90	1/2	4,049.21	1/2	4,223.34	1/2	4,390.92	1/2	4,552.37	1/2	4,711.47	1/2	4,882.41	1/2	1/2		
5/8	3,690.65	5/8	3,873.69	5/8	4,052.89	5/8	4,226.91	5/8	4,394.34	5/8	4,555.68	5/8	4,715.10	5/8	4,885.86	5/8	5/8		
3/4	3,694.47	3/4	3,877.48	3/4	4,056.57	3/4	4,230.48	3/4	4,397.76	3/4	4,558.99	3/4	4,718.74	3/4	4,889.31	3/4	3/4		
7/8	3,698.28	7/8	3,881.27	7/8	4,060.26	7/8	4,234.06	7/8	4,401.18	7/8	4,562.30	7/8	4,722.37	7/8	4,892.76	7/8	7/8		
4	3,702.10	10	3,885.06	4	4,063.94	10	4,237.63	4	4,404.59	10	4,565.61	4	4,726.01	10	4,896.20	4	10		
1/8	3,705.92	1/8	3,888.84	1/8	4,067.60	1/8	4,241.18	1/8	4,407.99	1/8	4,568.90	1/8	4,729.78	1/8	4,900.65	1/8	1/8		
1/4	3,709.74	1/4	3,892.61	1/4	4,071.26	1/4	4,244.73	1/4	4,411.39	1/4	4,572.19	1/4	4,733.56	1/4	4,904.10	1/4	1/4		
3/8	3,713.55	3/8	3,896.38	3/8	4,074.93	3/8	4,248.29	3/8	4,414.79	3/8	4,575.48	3/8	4,737.33	3/8	4,907.55	3/8	3/8		
1/2	3,717.37	1/2	3,900.16	1/2	4,078.59	1/2	4,251.84	1/2	4,418.19	1/2	4,578.78	1/2	4,741.11	1/2	4,911.00	1/2	1/2		
5/8	3,721.19	5/8	3,903.93	5/8	4,082.26	5/8	4,255.39	5/8	4,421.59	5/8	4,582.07	5/8	4,744.88	5/8	4,914.45	5/8	5/8		
3/4	3,725.01	3/4	3,907.70	3/4	4,085.92	3/4	4,258.95	3/4	4,424.99	3/4	4,585.36	3/4	4,748.66	3/4	4,917.89	3/4	3/4		
7/8	3,728.82	7/8	3,911.48	7/8	4,089.59	7/8	4,262.50	7/8	4,428.39	7/8	4,588.65	7/8	4,752.43	7/8	4,921.32	7/8	7/8		
5	3,732.64	11	3,915.25	5	4,093.25	11	4,266.05	5	4,431.78	11	4,591.94	5	4,756.21	11	4,924.76	5	11		
1/8	3,736.46	1/8	3,919.00	1/8	4,096.90	1/8	4,269.58	1/8	4,435.16	1/8	4,595.21	1/8	4,759.95	1/8	4,928.21	1/8	1/8		
1/4	3,740.27	1/4	3,922.76	1/4	4,100.54	1/4	4,273.10	1/4	4,438.54	1/4	4,598.49	1/4	4,763.68	1/4	4,931.66	1/4	1/4		
3/8	3,744.09	3/8	3,926.51	3/8	4,104.19	3/8	4,276.63	3/8	4,441.92	3/8	4,601.76	3/8	4,767.42	3/8	4,935.11	3/8	3/8		
1/2	3,747.91	1/2	3,930.27	1/2	4,107.84	1/2	4,280.15	1/2	4,445.31	1/2	4,605.03	1/2	4,771.15	1/2	4,938.56	1/2	1/2		
5/8	3,751.73	5/8	3,934.02	5/8	4,111.48	5/8	4,283.67	5/8	4,448.69	5/8	4,608.30	5/8	4,774.89	5/8	4,942.01	5/8	5/8		
3/4	3,755.54	3/4	3,937.77	3/4	4,115.13	3/4	4,287.20	3/4	4,452.07	3/4	4,611.58	3/4	4,778.63	3/4	4,945.46	3/4	3/4		
7/8	3,759.36	7/8	3,941.53	7/8	4,118.78	7/8	4,290.72	7/8	4,455.45	7/8	4,614.85	7/8	4,782.36	7/8	4,948.90	7/8	7/8		

STRAPPED: 11/25/2003 PMA  
RECOMPUTED: 11/05/2019 SW  
REPRINTED: 11/05/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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<http://www.pmacorp.net>



# BARGE "KIRBY 27716"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	13.27	6	174.69	0	356.61	6	534.85	0	713.45	6	893.82	0	1,068.14	6	1,243.19	0	1,423.75	6	1,603.66
1/8	15.80	1/8	178.46	1/8	360.40	1/8	538.30	1/8	717.24	1/8	897.46	1/8	1,071.77	1/8	1,246.98	1/8	1,427.47	1/8	1,607.45
1/4	18.33	1/4	182.24	1/4	364.19	1/4	541.76	1/4	721.04	1/4	901.10	1/4	1,075.40	1/4	1,250.78	1/4	1,431.18	1/4	1,611.25
3/8	20.86	3/8	186.02	3/8	367.98	3/8	545.22	3/8	724.84	3/8	904.74	3/8	1,079.04	3/8	1,254.57	3/8	1,434.90	3/8	1,615.04
1/2	23.38	1/2	189.80	1/2	371.77	1/2	548.68	1/2	728.63	1/2	908.38	1/2	1,082.67	1/2	1,258.37	1/2	1,438.61	1/2	1,618.84
5/8	25.91	5/8	193.58	5/8	375.57	5/8	552.14	5/8	732.43	5/8	912.01	5/8	1,086.30	5/8	1,262.16	5/8	1,442.32	5/8	1,622.64
3/4	28.44	3/4	197.36	3/4	379.36	3/4	555.60	3/4	736.22	3/4	915.65	3/4	1,089.93	3/4	1,265.96	3/4	1,446.04	3/4	1,626.43
7/8	30.97	7/8	201.14	7/8	383.15	7/8	559.06	7/8	740.02	7/8	919.29	7/8	1,093.56	7/8	1,269.76	7/8	1,449.75	7/8	1,630.23
1	33.50	7	204.92	1	386.94	7	562.52	1	743.81	7	922.93	1	1,097.19	7	1,273.55	1	1,453.47	7	1,634.02
1/8	36.95	1/8	208.70	1/8	390.72	1/8	566.20	1/8	747.61	1/8	926.56	1/8	1,100.82	1/8	1,277.35	1/8	1,457.18	1/8	1,637.82
1/4	40.41	1/4	212.49	1/4	394.51	1/4	569.89	1/4	751.40	1/4	930.19	1/4	1,104.45	1/4	1,281.14	1/4	1,460.89	1/4	1,641.61
3/8	43.86	3/8	216.27	3/8	398.29	3/8	573.57	3/8	755.20	3/8	933.82	3/8	1,108.08	3/8	1,284.94	3/8	1,464.61	3/8	1,645.41
1/2	47.31	1/2	220.06	1/2	402.08	1/2	577.25	1/2	759.00	1/2	937.45	1/2	1,111.71	1/2	1,288.73	1/2	1,468.32	1/2	1,649.20
5/8	50.77	5/8	223.84	5/8	405.86	5/8	580.94	5/8	762.79	5/8	941.08	5/8	1,115.34	5/8	1,292.53	5/8	1,472.04	5/8	1,653.00
3/4	54.22	3/4	227.62	3/4	409.64	3/4	584.62	3/4	766.59	3/4	944.72	3/4	1,118.97	3/4	1,296.33	3/4	1,475.75	3/4	1,656.79
7/8	57.67	7/8	231.41	7/8	413.43	7/8	588.30	7/8	770.38	7/8	948.35	7/8	1,122.60	7/8	1,300.12	7/8	1,479.47	7/8	1,660.59
2	61.13	8	235.19	2	417.21	8	591.99	2	774.18	8	951.98	2	1,126.23	8	1,303.92	2	1,483.18	8	1,664.38
1/8	64.77	1/8	238.98	1/8	420.99	1/8	595.78	1/8	777.97	1/8	955.61	1/8	1,129.86	1/8	1,307.71	1/8	1,486.89	1/8	1,668.18
1/4	68.42	1/4	242.77	1/4	424.77	1/4	599.58	1/4	781.77	1/4	959.24	1/4	1,133.49	1/4	1,311.51	1/4	1,490.61	1/4	1,671.98
3/8	72.07	3/8	246.57	3/8	428.56	3/8	603.37	3/8	785.56	3/8	962.87	3/8	1,137.12	3/8	1,315.30	3/8	1,494.32	3/8	1,675.77
1/2	75.71	1/2	250.36	1/2	432.34	1/2	607.17	1/2	789.36	1/2	966.50	1/2	1,140.75	1/2	1,319.10	1/2	1,498.04	1/2	1,679.57
5/8	79.36	5/8	254.15	5/8	436.12	5/8	610.97	5/8	793.16	5/8	970.13	5/8	1,144.38	5/8	1,322.90	5/8	1,501.75	5/8	1,683.36
3/4	83.00	3/4	257.94	3/4	439.90	3/4	614.76	3/4	796.95	3/4	973.76	3/4	1,148.01	3/4	1,326.69	3/4	1,505.46	3/4	1,687.16
7/8	86.65	7/8	261.73	7/8	443.68	7/8	618.56	7/8	800.75	7/8	977.39	7/8	1,151.64	7/8	1,330.49	7/8	1,509.18	7/8	1,690.95
3	90.29	9	265.52	3	447.46	9	622.35	3	804.54	9	981.02	3	1,155.27	9	1,334.28	3	1,512.89	9	1,694.75
1/8	93.73	1/8	269.32	1/8	451.24	1/8	626.15	1/8	808.34	1/8	984.65	1/8	1,158.90	1/8	1,338.04	1/8	1,516.65	1/8	1,698.54
1/4	97.17	1/4	273.11	1/4	455.03	1/4	629.94	1/4	812.13	1/4	988.28	1/4	1,162.53	1/4	1,341.79	1/4	1,520.40	1/4	1,702.34
3/8	100.61	3/8	276.91	3/8	458.81	3/8	633.74	3/8	815.93	3/8	991.91	3/8	1,166.16	3/8	1,345.55	3/8	1,524.16	3/8	1,706.13
1/2	104.04	1/2	280.70	1/2	462.60	1/2	637.54	1/2	819.73	1/2	995.54	1/2	1,169.79	1/2	1,349.30	1/2	1,527.91	1/2	1,709.93
5/8	107.48	5/8	284.50	5/8	466.38	5/8	641.33	5/8	823.52	5/8	999.17	5/8	1,173.42	5/8	1,353.06	5/8	1,531.67	5/8	1,713.72
3/4	110.92	3/4	288.29	3/4	470.16	3/4	645.13	3/4	827.32	3/4	1,002.80	3/4	1,177.05	3/4	1,356.81	3/4	1,535.42	3/4	1,717.52
7/8	114.36	7/8	292.09	7/8	473.95	7/8	648.92	7/8	831.11	7/8	1,006.43	7/8	1,180.68	7/8	1,360.57	7/8	1,539.18	7/8	1,721.32
4	117.79	10	295.89	4	477.73	10	652.72	4	834.91	10	1,010.06	4	1,184.32	10	1,364.32	4	1,542.93	10	1,725.11
1/8	121.24	1/8	299.68	1/8	481.41	1/8	656.52	1/8	838.63	1/8	1,013.69	1/8	1,187.95	1/8	1,368.04	1/8	1,546.73	1/8	1,728.91
1/4	124.68	1/4	303.48	1/4	485.09	1/4	660.31	1/4	842.35	1/4	1,017.32	1/4	1,191.59	1/4	1,371.75	1/4	1,550.52	1/4	1,732.70
3/8	128.13	3/8	307.27	3/8	488.77	3/8	664.11	3/8	846.07	3/8	1,020.95	3/8	1,195.23	3/8	1,375.47	3/8	1,554.32	3/8	1,736.50
1/2	131.57	1/2	311.07	1/2	492.45	1/2	667.90	1/2	849.79	1/2	1,024.58	1/2	1,198.87	1/2	1,379.18	1/2	1,558.11	1/2	1,740.29
5/8	135.02	5/8	314.86	5/8	496.13	5/8	671.70	5/8	853.51	5/8	1,028.21	5/8	1,202.51	5/8	1,382.89	5/8	1,561.91	5/8	1,744.09
3/4	138.46	3/4	318.66	3/4	499.81	3/4	675.49	3/4	857.23	3/4	1,031.84	3/4	1,206.15	3/4	1,386.61	3/4	1,565.70	3/4	1,747.88
7/8	141.90	7/8	322.45	7/8	503.49	7/8	679.29	7/8	860.95	7/8	1,035.47	7/8	1,209.78	7/8	1,390.32	7/8	1,569.50	7/8	1,751.68
5	145.35	11	326.25	5	507.17	11	683.08	5	864.67	11	1,039.10	5	1,213.42	11	1,394.04	5	1,573.29	11	1,755.47
1/8	149.01	1/8	330.04	1/8	510.63	1/8	686.88	1/8	868.31	1/8	1,042.73	1/8	1,217.14	1/8	1,397.75	1/8	1,577.09	1/8	1,759.27
1/4	152.68	1/4	333.84	1/4	514.09	1/4	690.67	1/4	871.95	1/4	1,046.36	1/4	1,220.86	1/4	1,401.47	1/4	1,580.89	1/4	1,763.06
3/8	156.35	3/8	337.63	3/8	517.55	3/8	694.47	3/8	875.60	3/8	1,049.99	3/8	1,224.58	3/8	1,405.18	3/8	1,584.68	3/8	1,766.86
1/2	160.02	1/2	341.43	1/2	521.01	1/2	698.27	1/2	879.24	1/2	1,053.62	1/2	1,228.30	1/2	1,408.90	1/2	1,588.48	1/2	1,770.66
5/8	163.68	5/8	345.22	5/8	524.47	5/8	702.06	5/8	882.89	5/8	1,057.25	5/8	1,232.02	5/8	1,412.61	5/8	1,592.27	5/8	1,774.45
3/4	167.35	3/4	349.02	3/4	527.93	3/4	705.86	3/4	886.53	3/4	1,060.88	3/4	1,235.74	3/4	1,416.32	3/4	1,596.07	3/4	1,778.25
7/8	171.02	7/8	352.81	7/8	531.39	7/8	709.65	7/8	890.18	7/8	1,064.51	7/8	1,239.47	7/8	1,420.04	7/8	1,599.86	7/8	1,782.04

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (2" STANDPIPE) LOCATED 12'-03" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

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 27716"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,785.84	6	1,968.02	0	2,150.19	6	2,332.36	0	2,514.53	6	2,696.71	0	2,878.88	6	3,061.06	0	3,243.23	6	3,425.41
1/8	1,789.63	1/8	1,971.81	1/8	2,153.98	1/8	2,336.16	1/8	2,518.33	1/8	2,700.50	1/8	2,882.68	1/8	3,064.85	1/8	3,247.03	1/8	3,429.20
1/4	1,793.43	1/4	1,975.61	1/4	2,157.78	1/4	2,339.95	1/4	2,522.13	1/4	2,704.30	1/4	2,886.47	1/4	3,068.65	1/4	3,250.82	1/4	3,433.00
3/8	1,797.22	3/8	1,979.40	3/8	2,161.57	3/8	2,343.75	3/8	2,525.92	3/8	2,708.10	3/8	2,890.27	3/8	3,072.44	3/8	3,254.62	3/8	3,436.79
1/2	1,801.02	1/2	1,983.20	1/2	2,165.37	1/2	2,347.54	1/2	2,529.72	1/2	2,711.89	1/2	2,894.06	1/2	3,076.24	1/2	3,258.41	1/2	3,440.59
5/8	1,804.81	5/8	1,986.99	5/8	2,169.16	5/8	2,351.34	5/8	2,533.51	5/8	2,715.69	5/8	2,897.86	5/8	3,080.03	5/8	3,262.21	5/8	3,444.38
3/4	1,808.61	3/4	1,990.79	3/4	2,172.96	3/4	2,355.13	3/4	2,537.31	3/4	2,719.48	3/4	2,901.66	3/4	3,083.83	3/4	3,266.00	3/4	3,448.18
7/8	1,812.41	7/8	1,994.58	7/8	2,176.75	7/8	2,358.93	7/8	2,541.10	7/8	2,723.28	7/8	2,905.45	7/8	3,087.63	7/8	3,269.80	7/8	3,451.97
1	1,816.20	7	1,998.38	1	2,180.55	7	2,362.72	1	2,544.90	7	2,727.07	1	2,909.25	7	3,091.42	1	3,273.59	7	3,455.77
1/8	1,820.00	1/8	2,002.17	1/8	2,184.34	1/8	2,366.52	1/8	2,548.69	1/8	2,730.87	1/8	2,913.04	1/8	3,095.22	1/8	3,277.39	1/8	3,459.56
1/4	1,823.79	1/4	2,005.97	1/4	2,188.14	1/4	2,370.31	1/4	2,552.49	1/4	2,734.66	1/4	2,916.84	1/4	3,099.01	1/4	3,281.19	1/4	3,463.36
3/8	1,827.59	3/8	2,009.76	3/8	2,191.93	3/8	2,374.11	3/8	2,556.28	3/8	2,738.46	3/8	2,920.63	3/8	3,102.81	3/8	3,284.98	3/8	3,467.16
1/2	1,831.38	1/2	2,013.56	1/2	2,195.73	1/2	2,377.90	1/2	2,560.08	1/2	2,742.25	1/2	2,924.43	1/2	3,106.60	1/2	3,288.78	1/2	3,470.95
5/8	1,835.18	5/8	2,017.35	5/8	2,199.53	5/8	2,381.70	5/8	2,563.87	5/8	2,746.05	5/8	2,928.22	5/8	3,110.40	5/8	3,292.57	5/8	3,474.75
3/4	1,838.97	3/4	2,021.15	3/4	2,203.32	3/4	2,385.49	3/4	2,567.67	3/4	2,749.84	3/4	2,932.02	3/4	3,114.19	3/4	3,296.37	3/4	3,478.54
7/8	1,842.77	7/8	2,024.94	7/8	2,207.12	7/8	2,389.29	7/8	2,571.46	7/8	2,753.64	7/8	2,935.81	7/8	3,117.99	7/8	3,300.16	7/8	3,482.34
2	1,846.56	8	2,028.74	2	2,210.91	8	2,393.09	2	2,575.26	8	2,757.43	2	2,939.61	8	3,121.78	2	3,303.96	8	3,486.13
1/8	1,850.36	1/8	2,032.53	1/8	2,214.71	1/8	2,396.88	1/8	2,579.06	1/8	2,761.23	1/8	2,943.40	1/8	3,125.58	1/8	3,307.75	1/8	3,489.93
1/4	1,854.15	1/4	2,036.33	1/4	2,218.50	1/4	2,400.68	1/4	2,582.85	1/4	2,765.02	1/4	2,947.20	1/4	3,129.37	1/4	3,311.55	1/4	3,493.72
3/8	1,857.95	3/8	2,040.12	3/8	2,222.30	3/8	2,404.47	3/8	2,586.65	3/8	2,768.82	3/8	2,950.99	3/8	3,133.17	3/8	3,315.34	3/8	3,497.52
1/2	1,861.75	1/2	2,043.92	1/2	2,226.09	1/2	2,408.27	1/2	2,590.44	1/2	2,772.62	1/2	2,954.79	1/2	3,136.96	1/2	3,319.14	1/2	3,501.31
5/8	1,865.54	5/8	2,047.71	5/8	2,229.89	5/8	2,412.06	5/8	2,594.24	5/8	2,776.41	5/8	2,958.59	5/8	3,140.76	5/8	3,322.93	5/8	3,505.11
3/4	1,869.34	3/4	2,051.51	3/4	2,233.68	3/4	2,415.86	3/4	2,598.03	3/4	2,780.21	3/4	2,962.38	3/4	3,144.55	3/4	3,326.73	3/4	3,508.90
7/8	1,873.13	7/8	2,055.30	7/8	2,237.48	7/8	2,419.65	7/8	2,601.83	7/8	2,784.00	7/8	2,966.18	7/8	3,148.35	7/8	3,330.52	7/8	3,512.70
3	1,876.93	9	2,059.10	3	2,241.27	9	2,423.45	3	2,605.62	9	2,787.80	3	2,969.97	9	3,152.15	3	3,334.32	9	3,516.49
1/8	1,880.72	1/8	2,062.89	1/8	2,245.07	1/8	2,427.24	1/8	2,609.42	1/8	2,791.59	1/8	2,973.77	1/8	3,155.94	1/8	3,338.12	1/8	3,520.29
1/4	1,884.52	1/4	2,066.69	1/4	2,248.86	1/4	2,431.04	1/4	2,613.21	1/4	2,795.39	1/4	2,977.56	1/4	3,159.74	1/4	3,341.91	1/4	3,524.08
3/8	1,888.31	3/8	2,070.48	3/8	2,252.66	3/8	2,434.83	3/8	2,617.01	3/8	2,799.18	3/8	2,981.36	3/8	3,163.53	3/8	3,345.71	3/8	3,527.88
1/2	1,892.11	1/2	2,074.28	1/2	2,256.45	1/2	2,438.63	1/2	2,620.80	1/2	2,802.98	1/2	2,985.15	1/2	3,167.33	1/2	3,349.50	1/2	3,531.68
5/8	1,895.90	5/8	2,078.08	5/8	2,260.25	5/8	2,442.42	5/8	2,624.60	5/8	2,806.77	5/8	2,988.95	5/8	3,171.12	5/8	3,353.30	5/8	3,535.47
3/4	1,899.70	3/4	2,081.87	3/4	2,264.05	3/4	2,446.22	3/4	2,628.39	3/4	2,810.57	3/4	2,992.74	3/4	3,174.92	3/4	3,357.09	3/4	3,539.27
7/8	1,903.49	7/8	2,085.67	7/8	2,267.84	7/8	2,450.01	7/8	2,632.19	7/8	2,814.36	7/8	2,996.54	7/8	3,178.71	7/8	3,360.89	7/8	3,543.06
4	1,907.29	10	2,089.46	4	2,271.64	10	2,453.81	4	2,635.98	10	2,818.16	4	3,000.33	10	3,182.51	4	3,364.68	10	3,546.86
1/8	1,911.09	1/8	2,093.26	1/8	2,275.43	1/8	2,457.61	1/8	2,639.78	1/8	2,821.95	1/8	3,004.13	1/8	3,186.30	1/8	3,368.48	1/8	3,550.65
1/4	1,914.88	1/4	2,097.05	1/4	2,279.23	1/4	2,461.40	1/4	2,643.58	1/4	2,825.75	1/4	3,007.92	1/4	3,190.10	1/4	3,372.27	1/4	3,554.45
3/8	1,918.68	3/8	2,100.85	3/8	2,283.02	3/8	2,465.20	3/8	2,647.37	3/8	2,829.54	3/8	3,011.72	3/8	3,193.89	3/8	3,376.07	3/8	3,558.24
1/2	1,922.47	1/2	2,104.64	1/2	2,286.82	1/2	2,468.99	1/2	2,651.17	1/2	2,833.34	1/2	3,015.51	1/2	3,197.69	1/2	3,379.86	1/2	3,562.04
5/8	1,926.27	5/8	2,108.44	5/8	2,290.61	5/8	2,472.79	5/8	2,654.96	5/8	2,837.14	5/8	3,019.31	5/8	3,201.48	5/8	3,383.66	5/8	3,565.83
3/4	1,930.06	3/4	2,112.23	3/4	2,294.41	3/4	2,476.58	3/4	2,658.76	3/4	2,840.93	3/4	3,023.11	3/4	3,205.28	3/4	3,387.45	3/4	3,569.63
7/8	1,933.86	7/8	2,116.03	7/8	2,298.20	7/8	2,480.38	7/8	2,662.55	7/8	2,844.73	7/8	3,026.90	7/8	3,209.07	7/8	3,391.25	7/8	3,573.42
5	1,937.65	11	2,119.82	5	2,302.00	11	2,484.17	5	2,666.35	11	2,848.52	5	3,030.70	11	3,212.87	5	3,395.04	11	3,577.22
1/8	1,941.45	1/8	2,123.62	1/8	2,305.79	1/8	2,487.97	1/8	2,670.14	1/8	2,852.32	1/8	3,034.49	1/8	3,216.67	1/8	3,398.84	1/8	3,581.01
1/4	1,945.24	1/4	2,127.41	1/4	2,309.59	1/4	2,491.76	1/4	2,673.94	1/4	2,856.11	1/4	3,038.29	1/4	3,220.46	1/4	3,402.64	1/4	3,584.81
3/8	1,949.04	3/8	2,131.21	3/8	2,313.38	3/8	2,495.56	3/8	2,677.73	3/8	2,859.91	3/8	3,042.08	3/8	3,224.26	3/8	3,406.43	3/8	3,588.60
1/2	1,952.83	1/2	2,135.00	1/2	2,317.18	1/2	2,499.35	1/2	2,681.53	1/2	2,863.70	1/2	3,045.88	1/2	3,228.05	1/2	3,410.23	1/2	3,592.40
5/8	1,956.63	5/8	2,138.80	5/8	2,320.97	5/8	2,503.15	5/8	2,685.32	5/8	2,867.50	5/8	3,049.67	5/8	3,231.85	5/8	3,414.02	5/8	3,596.20
3/4	1,960.43	3/4	2,142.60	3/4	2,324.77	3/4	2,506.94	3/4	2,689.12	3/4	2,871.29	3/4	3,053.47	3/4	3,235.64	3/4	3,417.82	3/4	3,599.99
7/8	1,964.22	7/8	2,146.39	7/8	2,328.57	7/8	2,510.74	7/8	2,692.91	7/8	2,875.09	7/8	3,057.26	7/8	3,239.44	7/8	3,421.61	7/8	3,603.79

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# BARGE "KIRBY 27716"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	3,607.58	6	3,789.76	0	3,970.75	6	4,146.86	0	4,317.68	6	4,481.29	0	4,639.64	6	4,806.62	0		6	
1/8	3,611.38	1/8	3,793.55	1/8	3,974.46	1/8	4,150.47	1/8	4,321.14	1/8	4,484.63	1/8	4,642.88	1/8	4,810.02	1/8		1/8	
1/4	3,615.17	1/4	3,797.35	1/4	3,978.18	1/4	4,154.07	1/4	4,324.61	1/4	4,487.97	1/4	4,646.11	1/4	4,813.42	1/4		1/4	
3/8	3,618.97	3/8	3,801.14	3/8	3,981.89	3/8	4,157.68	3/8	4,328.07	3/8	4,491.32	3/8	4,649.35	3/8	4,816.82	3/8		3/8	
1/2	3,622.76	1/2	3,804.94	1/2	3,985.60	1/2	4,161.29	1/2	4,331.54	1/2	4,494.66	1/2	4,652.58	1/2	4,820.21	1/2		1/2	
5/8	3,626.56	5/8	3,808.73	5/8	3,989.32	5/8	4,164.89	5/8	4,335.00	5/8	4,498.00	5/8	4,655.82	5/8	4,823.61	5/8		5/8	
3/4	3,630.35	3/4	3,812.53	3/4	3,993.03	3/4	4,168.50	3/4	4,338.46	3/4	4,501.35	3/4	4,659.05	3/4	4,827.01	3/4		3/4	
7/8	3,634.15	7/8	3,816.32	7/8	3,996.75	7/8	4,172.11	7/8	4,341.93	7/8	4,504.69	7/8	4,662.29	7/8	4,830.40	7/8		7/8	
1	3,637.94	7	3,820.12	1	4,000.46	7	4,175.71	1	4,345.39	7	4,508.03	1	4,665.52	7	4,833.80	1		7	
1/8	3,641.74	1/8	3,823.91	1/8	4,004.15	1/8	4,179.30	1/8	4,348.83	1/8	4,511.36	1/8	4,668.74	1/8		1/8		1/8	
1/4	3,645.53	1/4	3,827.70	1/4	4,007.85	1/4	4,182.89	1/4	4,352.26	1/4	4,514.68	1/4	4,671.95	1/4		1/4		1/4	
3/8	3,649.33	3/8	3,831.49	3/8	4,011.54	3/8	4,186.48	3/8	4,355.69	3/8	4,518.01	3/8	4,675.17	3/8		3/8		3/8	
1/2	3,653.12	1/2	3,835.28	1/2	4,015.24	1/2	4,190.07	1/2	4,359.13	1/2	4,521.34	1/2	4,678.39	1/2		1/2		1/2	
5/8	3,656.92	5/8	3,839.07	5/8	4,018.94	5/8	4,193.66	5/8	4,362.56	5/8	4,524.66	5/8	4,681.60	5/8		5/8		5/8	
3/4	3,660.72	3/4	3,842.86	3/4	4,022.63	3/4	4,197.25	3/4	4,366.00	3/4	4,527.99	3/4	4,684.82	3/4		3/4		3/4	
7/8	3,664.51	7/8	3,846.65	7/8	4,026.33	7/8	4,200.83	7/8	4,369.43	7/8	4,531.32	7/8	4,688.04	7/8		7/8		7/8	
2	3,668.31	8	3,850.44	2	4,030.02	8	4,204.42	2	4,372.87	8	4,534.64	2	4,691.25	8		2		8	
1/8	3,672.10	1/8	3,854.22	1/8	4,033.70	1/8	4,207.99	1/8	4,376.28	1/8	4,537.95	1/8	4,694.59	1/8		1/8		1/8	
1/4	3,675.90	1/4	3,858.01	1/4	4,037.37	1/4	4,211.56	1/4	4,379.70	1/4	4,541.26	1/4	4,697.93	1/4		1/4		1/4	
3/8	3,679.69	3/8	3,861.80	3/8	4,041.05	3/8	4,215.13	3/8	4,383.12	3/8	4,544.57	3/8	4,701.28	3/8		3/8		3/8	
1/2	3,683.49	1/2	3,865.58	1/2	4,044.73	1/2	4,218.70	1/2	4,386.53	1/2	4,547.88	1/2	4,704.62	1/2		1/2		1/2	
5/8	3,687.28	5/8	3,869.37	5/8	4,048.41	5/8	4,222.27	5/8	4,389.95	5/8	4,551.19	5/8	4,707.96	5/8		5/8		5/8	
3/4	3,691.08	3/4	3,873.15	3/4	4,052.08	3/4	4,225.84	3/4	4,393.36	3/4	4,554.50	3/4	4,711.30	3/4		3/4		3/4	
7/8	3,694.87	7/8	3,876.94	7/8	4,055.76	7/8	4,229.41	7/8	4,396.78	7/8	4,557.81	7/8	4,714.64	7/8		7/8		7/8	
3	3,698.67	9	3,880.72	3	4,059.44	9	4,232.98	3	4,400.20	9	4,561.12	3	4,717.98	9		3		9	
1/8	3,702.46	1/8	3,884.49	1/8	4,063.10	1/8	4,236.53	1/8	4,403.59	1/8	4,564.41	1/8	4,721.59	1/8		1/8		1/8	
1/4	3,706.26	1/4	3,888.26	1/4	4,066.75	1/4	4,240.08	1/4	4,406.99	1/4	4,567.70	1/4	4,725.21	1/4		1/4		1/4	
3/8	3,710.05	3/8	3,892.03	3/8	4,070.41	3/8	4,243.63	3/8	4,410.39	3/8	4,570.99	3/8	4,728.82	3/8		3/8		3/8	
1/2	3,713.85	1/2	3,895.80	1/2	4,074.07	1/2	4,247.19	1/2	4,413.79	1/2	4,574.28	1/2	4,732.44	1/2		1/2		1/2	
5/8	3,717.65	5/8	3,899.57	5/8	4,077.73	5/8	4,250.74	5/8	4,417.18	5/8	4,577.57	5/8	4,736.05	5/8		5/8		5/8	
3/4	3,721.44	3/4	3,903.34	3/4	4,081.39	3/4	4,254.29	3/4	4,420.58	3/4	4,580.86	3/4	4,739.67	3/4		3/4		3/4	
7/8	3,725.24	7/8	3,907.11	7/8	4,085.05	7/8	4,257.84	7/8	4,423.98	7/8	4,584.15	7/8	4,743.28	7/8		7/8		7/8	
4	3,729.03	10	3,910.88	4	4,088.71	10	4,261.39	4	4,427.37	10	4,587.44	4	4,746.89	10		4		10	
1/8	3,732.83	1/8	3,914.63	1/8	4,092.35	1/8	4,264.92	1/8	4,430.75	1/8	4,590.71	1/8	4,750.65	1/8		1/8		1/8	
1/4	3,736.62	1/4	3,918.38	1/4	4,096.00	1/4	4,268.46	1/4	4,434.13	1/4	4,593.99	1/4	4,754.40	1/4		1/4		1/4	
3/8	3,740.42	3/8	3,922.13	3/8	4,099.64	3/8	4,271.99	3/8	4,437.51	3/8	4,597.26	3/8	4,758.15	3/8		3/8		3/8	
1/2	3,744.21	1/2	3,925.88	1/2	4,103.28	1/2	4,275.52	1/2	4,440.89	1/2	4,600.53	1/2	4,761.90	1/2		1/2		1/2	
5/8	3,748.01	5/8	3,929.63	5/8	4,106.93	5/8	4,279.05	5/8	4,444.27	5/8	4,603.80	5/8	4,765.66	5/8		5/8		5/8	
3/4	3,751.80	3/4	3,933.39	3/4	4,110.57	3/4	4,282.59	3/4	4,447.65	3/4	4,607.07	3/4	4,769.41	3/4		3/4		3/4	
7/8	3,755.60	7/8	3,937.14	7/8	4,114.21	7/8	4,286.12	7/8	4,451.03	7/8	4,610.35	7/8	4,773.16	7/8		7/8		7/8	
5	3,759.39	11	3,940.89	5	4,117.85	11	4,289.65	5	4,454.41	11	4,613.62	5	4,776.92	11		5		11	
1/8	3,763.19	1/8	3,944.62	1/8	4,121.48	1/8	4,293.16	1/8	4,457.77	1/8	4,616.87	1/8	4,780.63	1/8		1/8		1/8	
1/4	3,766.98	1/4	3,948.35	1/4	4,125.11	1/4	4,296.66	1/4	4,461.13	1/4	4,620.12	1/4	4,784.34	1/4		1/4		1/4	
3/8	3,770.78	3/8	3,952.09	3/8	4,128.73	3/8	4,300.16	3/8	4,464.49	3/8	4,623.38	3/8	4,788.06	3/8		3/8		3/8	
1/2	3,774.57	1/2	3,955.82	1/2	4,132.36	1/2	4,303.67	1/2	4,467.85	1/2	4,626.63	1/2	4,791.77	1/2		1/2		1/2	
5/8	3,778.37	5/8	3,959.55	5/8	4,135.98	5/8	4,307.17	5/8	4,471.21	5/8	4,629.88	5/8	4,795.48	5/8		5/8		5/8	
3/4	3,782.17	3/4	3,963.28	3/4	4,139.61	3/4	4,310.67	3/4	4,474.57	3/4	4,633.14	3/4	4,799.20	3/4		3/4		3/4	
7/8	3,785.96	7/8	3,967.02	7/8	4,143.23	7/8	4,314.18	7/8	4,477.93	7/8	4,636.39	7/8	4,802.91	7/8		7/8		7/8	

STRAPPED: 11/25/2003 PMA  
RECOMPUTED: 11/05/2019 SW  
REPRINTED: 11/05/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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# BARGE "KIRBY 27716"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	13.24	6	174.31	0	355.85	6	533.70	0	711.93	6	893.73	0	1,074.90	6	1,256.19	0	1,436.37	6	1,615.90
1/8	15.76	1/8	178.08	1/8	359.63	1/8	537.16	1/8	715.71	1/8	897.51	1/8	1,078.67	1/8	1,259.98	1/8	1,440.08	1/8	1,619.68
1/4	18.29	1/4	181.86	1/4	363.41	1/4	540.61	1/4	719.50	1/4	901.29	1/4	1,082.44	1/4	1,263.77	1/4	1,443.79	1/4	1,623.47
3/8	20.81	3/8	185.63	3/8	367.20	3/8	544.06	3/8	723.29	3/8	905.07	3/8	1,086.22	3/8	1,267.56	3/8	1,447.49	3/8	1,627.26
1/2	23.33	1/2	189.40	1/2	370.98	1/2	547.51	1/2	727.08	1/2	908.85	1/2	1,089.99	1/2	1,271.34	1/2	1,451.20	1/2	1,631.05
5/8	25.86	5/8	193.17	5/8	374.76	5/8	550.96	5/8	730.86	5/8	912.63	5/8	1,093.76	5/8	1,275.13	5/8	1,454.91	5/8	1,634.83
3/4	28.38	3/4	196.94	3/4	378.55	3/4	554.41	3/4	734.65	3/4	916.41	3/4	1,097.54	3/4	1,278.92	3/4	1,458.61	3/4	1,638.62
7/8	30.90	7/8	200.71	7/8	382.33	7/8	557.87	7/8	738.44	7/8	920.19	7/8	1,101.31	7/8	1,282.71	7/8	1,462.32	7/8	1,642.41
1	33.43	7	204.48	1	386.11	7	561.32	1	742.23	7	923.97	1	1,105.08	7	1,286.49	1	1,466.02	7	1,646.19
1/8	36.87	1/8	208.26	1/8	389.89	1/8	564.99	1/8	746.01	1/8	927.75	1/8	1,108.86	1/8	1,290.28	1/8	1,469.73	1/8	1,649.98
1/4	40.32	1/4	212.03	1/4	393.67	1/4	568.67	1/4	749.80	1/4	931.52	1/4	1,112.63	1/4	1,294.07	1/4	1,473.44	1/4	1,653.77
3/8	43.77	3/8	215.81	3/8	397.44	3/8	572.34	3/8	753.59	3/8	935.29	3/8	1,116.40	3/8	1,297.86	3/8	1,477.14	3/8	1,657.56
1/2	47.21	1/2	219.59	1/2	401.22	1/2	576.02	1/2	757.38	1/2	939.07	1/2	1,120.17	1/2	1,301.64	1/2	1,480.85	1/2	1,661.34
5/8	50.66	5/8	223.36	5/8	404.99	5/8	579.70	5/8	761.16	5/8	942.84	5/8	1,123.95	5/8	1,305.43	5/8	1,484.56	5/8	1,665.13
3/4	54.11	3/4	227.14	3/4	408.77	3/4	583.37	3/4	764.95	3/4	946.61	3/4	1,127.72	3/4	1,309.22	3/4	1,488.26	3/4	1,668.92
7/8	57.55	7/8	230.91	7/8	412.55	7/8	587.05	7/8	768.74	7/8	950.39	7/8	1,131.49	7/8	1,313.01	7/8	1,491.97	7/8	1,672.71
2	61.00	8	234.69	2	416.32	8	590.72	2	772.53	8	954.16	2	1,135.27	8	1,316.79	2	1,495.67	8	1,676.49
1/8	64.64	1/8	238.47	1/8	420.10	1/8	594.51	1/8	776.31	1/8	957.94	1/8	1,139.04	1/8	1,320.58	1/8	1,499.38	1/8	1,680.28
1/4	68.27	1/4	242.26	1/4	423.87	1/4	598.30	1/4	780.10	1/4	961.71	1/4	1,142.81	1/4	1,324.37	1/4	1,503.09	1/4	1,684.07
3/8	71.91	3/8	246.04	3/8	427.64	3/8	602.09	3/8	783.89	3/8	965.48	3/8	1,146.59	3/8	1,328.16	3/8	1,506.79	3/8	1,687.85
1/2	75.55	1/2	249.82	1/2	431.41	1/2	605.87	1/2	787.68	1/2	969.25	1/2	1,150.36	1/2	1,331.94	1/2	1,510.50	1/2	1,691.64
5/8	79.19	5/8	253.61	5/8	435.19	5/8	609.66	5/8	791.46	5/8	973.03	5/8	1,154.13	5/8	1,335.73	5/8	1,514.20	5/8	1,695.43
3/4	82.82	3/4	257.39	3/4	438.96	3/4	613.45	3/4	795.25	3/4	976.80	3/4	1,157.90	3/4	1,339.52	3/4	1,517.91	3/4	1,699.22
7/8	86.46	7/8	261.17	7/8	442.73	7/8	617.24	7/8	799.04	7/8	980.57	7/8	1,161.68	7/8	1,343.31	7/8	1,521.62	7/8	1,703.00
3	90.10	9	264.96	3	446.50	9	621.02	3	802.83	9	984.35	3	1,165.45	9	1,347.09	3	1,525.32	9	1,706.79
1/8	93.53	1/8	268.74	1/8	450.28	1/8	624.81	1/8	806.61	1/8	988.12	1/8	1,169.22	1/8	1,350.84	1/8	1,529.07	1/8	1,710.58
1/4	96.96	1/4	272.53	1/4	454.06	1/4	628.60	1/4	810.40	1/4	991.89	1/4	1,173.00	1/4	1,354.59	1/4	1,532.82	1/4	1,714.37
3/8	100.39	3/8	276.32	3/8	457.83	3/8	632.39	3/8	814.19	3/8	995.67	3/8	1,176.77	3/8	1,358.34	3/8	1,536.56	3/8	1,718.15
1/2	103.82	1/2	280.11	1/2	461.61	1/2	636.18	1/2	817.98	1/2	999.44	1/2	1,180.55	1/2	1,362.08	1/2	1,540.31	1/2	1,721.94
5/8	107.25	5/8	283.89	5/8	465.38	5/8	639.96	5/8	821.76	5/8	1,003.21	5/8	1,184.32	5/8	1,365.83	5/8	1,544.06	5/8	1,725.73
3/4	110.68	3/4	287.68	3/4	469.16	3/4	643.75	3/4	825.55	3/4	1,006.98	3/4	1,188.09	3/4	1,369.58	3/4	1,547.81	3/4	1,729.52
7/8	114.11	7/8	291.47	7/8	472.94	7/8	647.54	7/8	829.34	7/8	1,010.76	7/8	1,191.87	7/8	1,373.32	7/8	1,551.55	7/8	1,733.30
4	117.54	10	295.25	4	476.71	10	651.33	4	833.13	10	1,014.53	4	1,195.64	10	1,377.07	4	1,555.30	10	1,737.09
1/8	120.98	1/8	299.04	1/8	480.39	1/8	655.11	1/8	836.91	1/8	1,018.30	1/8	1,199.42	1/8	1,380.78	1/8	1,559.09	1/8	1,740.88
1/4	124.42	1/4	302.83	1/4	484.06	1/4	658.90	1/4	840.70	1/4	1,022.08	1/4	1,203.20	1/4	1,384.48	1/4	1,562.87	1/4	1,744.66
3/8	127.85	3/8	306.62	3/8	487.73	3/8	662.69	3/8	844.49	3/8	1,025.85	3/8	1,206.99	3/8	1,388.19	3/8	1,566.66	3/8	1,748.45
1/2	131.29	1/2	310.40	1/2	491.40	1/2	666.48	1/2	848.28	1/2	1,029.62	1/2	1,210.77	1/2	1,391.90	1/2	1,570.45	1/2	1,752.24
5/8	134.73	5/8	314.19	5/8	495.07	5/8	670.26	5/8	852.06	5/8	1,033.40	5/8	1,214.55	5/8	1,395.60	5/8	1,574.24	5/8	1,756.03
3/4	138.16	3/4	317.98	3/4	498.75	3/4	674.05	3/4	855.85	3/4	1,037.17	3/4	1,218.33	3/4	1,399.31	3/4	1,578.02	3/4	1,759.81
7/8	141.60	7/8	321.76	7/8	502.42	7/8	677.84	7/8	859.64	7/8	1,040.94	7/8	1,222.11	7/8	1,403.02	7/8	1,581.81	7/8	1,763.60
5	145.04	11	325.55	5	506.09	11	681.63	5	863.43	11	1,044.71	5	1,225.89	11	1,406.72	5	1,585.60	11	1,767.39
1/8	148.70	1/8	329.34	1/8	509.54	1/8	685.41	1/8	867.21	1/8	1,048.49	1/8	1,229.68	1/8	1,410.43	1/8	1,589.39	1/8	1,771.18
1/4	152.36	1/4	333.12	1/4	512.99	1/4	689.20	1/4	871.00	1/4	1,052.26	1/4	1,233.47	1/4	1,414.14	1/4	1,593.17	1/4	1,774.96
3/8	156.02	3/8	336.91	3/8	516.44	3/8	692.99	3/8	874.79	3/8	1,056.03	3/8	1,237.25	3/8	1,417.84	3/8	1,596.96	3/8	1,778.75
1/2	159.68	1/2	340.70	1/2	519.90	1/2	696.78	1/2	878.58	1/2	1,059.81	1/2	1,241.04	1/2	1,421.55	1/2	1,600.75	1/2	1,782.54
5/8	163.33	5/8	344.49	5/8	523.35	5/8	700.56	5/8	882.36	5/8	1,063.58	5/8	1,244.83	5/8	1,425.26	5/8	1,604.53	5/8	1,786.32
3/4	166.99	3/4	348.27	3/4	526.80	3/4	704.35	3/4	886.15	3/4	1,067.35	3/4	1,248.62	3/4	1,428.96	3/4	1,608.32	3/4	1,790.11
7/8	170.65	7/8	352.06	7/8	530.25	7/8	708.14	7/8	889.94	7/8	1,071.13	7/8	1,252.40	7/8	1,432.67	7/8	1,612.11	7/8	1,793.90

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (2" STANDPIPE) LOCATED 12'-03" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

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 27716"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,797.69	6	1,979.48	0	2,161.25	6	2,343.04	0	2,524.82	6	2,706.60	0	2,888.38	6	3,070.16	0	3,251.94	6	3,433.72
1/8	1,801.47	1/8	1,983.26	1/8	2,165.04	1/8	2,346.82	1/8	2,528.60	1/8	2,710.38	1/8	2,892.16	1/8	3,073.95	1/8	3,255.73	1/8	3,437.51
1/4	1,805.26	1/4	1,987.05	1/4	2,168.83	1/4	2,350.61	1/4	2,532.39	1/4	2,714.17	1/4	2,895.95	1/4	3,077.73	1/4	3,259.51	1/4	3,441.29
3/8	1,809.05	3/8	1,990.84	3/8	2,172.62	3/8	2,354.40	3/8	2,536.18	3/8	2,717.96	3/8	2,899.74	3/8	3,081.52	3/8	3,263.30	3/8	3,445.08
1/2	1,812.84	1/2	1,994.63	1/2	2,176.40	1/2	2,358.18	1/2	2,539.96	1/2	2,721.75	1/2	2,903.53	1/2	3,085.31	1/2	3,267.09	1/2	3,448.87
5/8	1,816.62	5/8	1,998.41	5/8	2,180.19	5/8	2,361.97	5/8	2,543.75	5/8	2,725.53	5/8	2,907.31	5/8	3,089.09	5/8	3,270.87	5/8	3,452.66
3/4	1,820.41	3/4	2,002.20	3/4	2,183.98	3/4	2,365.76	3/4	2,547.54	3/4	2,729.32	3/4	2,911.10	3/4	3,092.88	3/4	3,274.66	3/4	3,456.44
7/8	1,824.20	7/8	2,005.99	7/8	2,187.76	7/8	2,369.55	7/8	2,551.33	7/8	2,733.11	7/8	2,914.89	7/8	3,096.67	7/8	3,278.45	7/8	3,460.23
1	1,827.99	7	2,009.78	1	2,191.55	7	2,373.33	1	2,555.11	7	2,736.89	1	2,918.67	7	3,100.46	1	3,282.24	7	3,464.02
1/8	1,831.77	1/8	2,013.56	1/8	2,195.34	1/8	2,377.12	1/8	2,558.90	1/8	2,740.68	1/8	2,922.46	1/8	3,104.24	1/8	3,286.02	1/8	3,467.80
1/4	1,835.56	1/4	2,017.35	1/4	2,199.13	1/4	2,380.91	1/4	2,562.69	1/4	2,744.47	1/4	2,926.25	1/4	3,108.03	1/4	3,289.81	1/4	3,471.59
3/8	1,839.35	3/8	2,021.13	3/8	2,202.91	3/8	2,384.69	3/8	2,566.47	3/8	2,748.26	3/8	2,930.04	3/8	3,111.82	3/8	3,293.60	3/8	3,475.38
1/2	1,843.13	1/2	2,024.92	1/2	2,206.70	1/2	2,388.48	1/2	2,570.26	1/2	2,752.04	1/2	2,933.82	1/2	3,115.60	1/2	3,297.38	1/2	3,479.17
5/8	1,846.92	5/8	2,028.71	5/8	2,210.49	5/8	2,392.27	5/8	2,574.05	5/8	2,755.83	5/8	2,937.61	5/8	3,119.39	5/8	3,301.17	5/8	3,482.95
3/4	1,850.71	3/4	2,032.49	3/4	2,214.27	3/4	2,396.05	3/4	2,577.84	3/4	2,759.62	3/4	2,941.40	3/4	3,123.18	3/4	3,304.96	3/4	3,486.74
7/8	1,854.50	7/8	2,036.28	7/8	2,218.06	7/8	2,399.84	7/8	2,581.62	7/8	2,763.40	7/8	2,945.18	7/8	3,126.97	7/8	3,308.75	7/8	3,490.53
2	1,858.28	8	2,040.07	2	2,221.85	8	2,403.63	2	2,585.41	8	2,767.19	2	2,948.97	8	3,130.75	2	3,312.53	8	3,494.31
1/8	1,862.07	1/8	2,043.85	1/8	2,225.64	1/8	2,407.42	1/8	2,589.20	1/8	2,770.98	1/8	2,952.76	1/8	3,134.54	1/8	3,316.32	1/8	3,498.10
1/4	1,865.86	1/4	2,047.64	1/4	2,229.42	1/4	2,411.20	1/4	2,592.98	1/4	2,774.76	1/4	2,956.55	1/4	3,138.33	1/4	3,320.11	1/4	3,501.89
3/8	1,869.65	3/8	2,051.43	3/8	2,233.21	3/8	2,414.99	3/8	2,596.77	3/8	2,778.55	3/8	2,960.33	3/8	3,142.11	3/8	3,323.89	3/8	3,505.68
1/2	1,873.43	1/2	2,055.22	1/2	2,237.00	1/2	2,418.78	1/2	2,600.56	1/2	2,782.34	1/2	2,964.12	1/2	3,145.90	1/2	3,327.68	1/2	3,509.46
5/8	1,877.22	5/8	2,059.00	5/8	2,240.78	5/8	2,422.56	5/8	2,604.35	5/8	2,786.13	5/8	2,967.91	5/8	3,149.69	5/8	3,331.47	5/8	3,513.25
3/4	1,881.01	3/4	2,062.79	3/4	2,244.57	3/4	2,426.35	3/4	2,608.13	3/4	2,789.91	3/4	2,971.69	3/4	3,153.47	3/4	3,335.26	3/4	3,517.04
7/8	1,884.79	7/8	2,066.58	7/8	2,248.36	7/8	2,430.14	7/8	2,611.92	7/8	2,793.70	7/8	2,975.48	7/8	3,157.26	7/8	3,339.04	7/8	3,520.82
3	1,888.58	9	2,070.36	3	2,252.15	9	2,433.93	3	2,615.71	9	2,797.49	3	2,979.27	9	3,161.05	3	3,342.83	9	3,524.61
1/8	1,892.37	1/8	2,074.15	1/8	2,255.93	1/8	2,437.71	1/8	2,619.49	1/8	2,801.27	1/8	2,983.06	1/8	3,164.84	1/8	3,346.62	1/8	3,528.40
1/4	1,896.16	1/4	2,077.94	1/4	2,259.72	1/4	2,441.50	1/4	2,623.28	1/4	2,805.06	1/4	2,986.84	1/4	3,168.62	1/4	3,350.40	1/4	3,532.18
3/8	1,899.94	3/8	2,081.73	3/8	2,263.51	3/8	2,445.29	3/8	2,627.07	3/8	2,808.85	3/8	2,990.63	3/8	3,172.41	3/8	3,354.19	3/8	3,535.97
1/2	1,903.73	1/2	2,085.51	1/2	2,267.29	1/2	2,449.07	1/2	2,630.86	1/2	2,812.64	1/2	2,994.42	1/2	3,176.20	1/2	3,357.98	1/2	3,539.76
5/8	1,907.52	5/8	2,089.30	5/8	2,271.08	5/8	2,452.86	5/8	2,634.64	5/8	2,816.42	5/8	2,998.20	5/8	3,179.98	5/8	3,361.77	5/8	3,543.55
3/4	1,911.31	3/4	2,093.09	3/4	2,274.87	3/4	2,456.65	3/4	2,638.43	3/4	2,820.21	3/4	3,001.99	3/4	3,183.77	3/4	3,365.55	3/4	3,547.33
7/8	1,915.09	7/8	2,096.87	7/8	2,278.65	7/8	2,460.44	7/8	2,642.22	7/8	2,824.00	7/8	3,005.78	7/8	3,187.56	7/8	3,369.34	7/8	3,551.12
4	1,918.88	10	2,100.66	4	2,282.44	10	2,464.22	4	2,646.00	10	2,827.78	4	3,009.57	10	3,191.35	4	3,373.13	10	3,554.91
1/8	1,922.67	1/8	2,104.45	1/8	2,286.23	1/8	2,468.01	1/8	2,649.79	1/8	2,831.57	1/8	3,013.35	1/8	3,195.13	1/8	3,376.91	1/8	3,558.69
1/4	1,926.45	1/4	2,108.24	1/4	2,290.02	1/4	2,471.80	1/4	2,653.58	1/4	2,835.36	1/4	3,017.14	1/4	3,198.92	1/4	3,380.70	1/4	3,562.48
3/8	1,930.24	3/8	2,112.02	3/8	2,293.80	3/8	2,475.58	3/8	2,657.36	3/8	2,839.15	3/8	3,020.93	3/8	3,202.71	3/8	3,384.49	3/8	3,566.27
1/2	1,934.03	1/2	2,115.81	1/2	2,297.59	1/2	2,479.37	1/2	2,661.15	1/2	2,842.93	1/2	3,024.71	1/2	3,206.49	1/2	3,388.28	1/2	3,570.06
5/8	1,937.82	5/8	2,119.60	5/8	2,301.38	5/8	2,483.16	5/8	2,664.94	5/8	2,846.72	5/8	3,028.50	5/8	3,210.28	5/8	3,392.06	5/8	3,573.84
3/4	1,941.60	3/4	2,123.38	3/4	2,305.16	3/4	2,486.95	3/4	2,668.73	3/4	2,850.51	3/4	3,032.29	3/4	3,214.07	3/4	3,395.85	3/4	3,577.63
7/8	1,945.39	7/8	2,127.17	7/8	2,308.95	7/8	2,490.73	7/8	2,672.51	7/8	2,854.29	7/8	3,036.07	7/8	3,217.86	7/8	3,399.64	7/8	3,581.42
5	1,949.18	11	2,130.96	5	2,312.74	11	2,494.52	5	2,676.30	11	2,858.08	5	3,039.86	11	3,221.64	5	3,403.42	11	3,585.20
1/8	1,952.97	1/8	2,134.74	1/8	2,316.53	1/8	2,498.31	1/8	2,680.09	1/8	2,861.87	1/8	3,043.65	1/8	3,225.43	1/8	3,407.21	1/8	3,588.99
1/4	1,956.75	1/4	2,138.53	1/4	2,320.31	1/4	2,502.09	1/4	2,683.87	1/4	2,865.66	1/4	3,047.44	1/4	3,229.22	1/4	3,411.00	1/4	3,592.78
3/8	1,960.54	3/8	2,142.32	3/8	2,324.10	3/8	2,505.88	3/8	2,687.66	3/8	2,869.44	3/8	3,051.22	3/8	3,233.00	3/8	3,414.78	3/8	3,596.57
1/2	1,964.33	1/2	2,146.11	1/2	2,327.89	1/2	2,509.67	1/2	2,691.45	1/2	2,873.23	1/2	3,055.01	1/2	3,236.79	1/2	3,418.57	1/2	3,600.35
5/8	1,968.12	5/8	2,149.89	5/8	2,331.67	5/8	2,513.45	5/8	2,695.24	5/8	2,877.02	5/8	3,058.80	5/8	3,240.58	5/8	3,422.36	5/8	3,604.14
3/4	1,971.90	3/4	2,153.68	3/4	2,335.46	3/4	2,517.24	3/4	2,699.02	3/4	2,880.80	3/4	3,062.58	3/4	3,244.37	3/4	3,426.15	3/4	3,607.93
7/8	1,975.69	7/8	2,157.47	7/8	2,339.25	7/8	2,521.03	7/8	2,702.81	7/8	2,884.59	7/8	3,066.37	7/8	3,248.15	7/8	3,429.93	7/8	3,611.71

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# BARGE "KIRBY 27716"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	3,615.50	6	3,797.28	0	3,977.93	6	4,153.67	0	4,324.13	6	4,487.39	0	4,645.40	6	4,812.03	0		6	
1/8	3,619.29	1/8	3,801.07	1/8	3,981.64	1/8	4,157.27	1/8	4,327.58	1/8	4,490.72	1/8	4,648.63	1/8	4,815.42	1/8		1/8	
1/4	3,623.08	1/4	3,804.86	1/4	3,985.35	1/4	4,160.87	1/4	4,331.04	1/4	4,494.06	1/4	4,651.86	1/4	4,818.81	1/4		1/4	
3/8	3,626.86	3/8	3,808.64	3/8	3,989.05	3/8	4,164.47	3/8	4,334.50	3/8	4,497.39	3/8	4,655.09	3/8	4,822.20	3/8		3/8	
1/2	3,630.65	1/2	3,812.43	1/2	3,992.76	1/2	4,168.07	1/2	4,337.95	1/2	4,500.73	1/2	4,658.31	1/2	4,825.59	1/2		1/2	
5/8	3,634.44	5/8	3,816.22	5/8	3,996.46	5/8	4,171.67	5/8	4,341.41	5/8	4,504.06	5/8	4,661.54	5/8	4,828.98	5/8		5/8	
3/4	3,638.22	3/4	3,820.00	3/4	4,000.17	3/4	4,175.26	3/4	4,344.86	3/4	4,507.40	3/4	4,664.77	3/4	4,832.37	3/4		3/4	
7/8	3,642.01	7/8	3,823.79	7/8	4,003.88	7/8	4,178.86	7/8	4,348.32	7/8	4,510.73	7/8	4,668.00	7/8	4,835.76	7/8		7/8	
1	3,645.80	7	3,827.58	1	4,007.58	7	4,182.46	1	4,351.78	7	4,514.07	1	4,671.23	7	4,839.15	1		7	
1/8	3,649.58	1/8	3,831.37	1/8	4,011.27	1/8	4,186.04	1/8	4,355.20	1/8	4,517.39	1/8	4,674.44	1/8		1/8		1/8	
1/4	3,653.37	1/4	3,835.15	1/4	4,014.96	1/4	4,189.63	1/4	4,358.63	1/4	4,520.71	1/4	4,677.64	1/4		1/4		1/4	
3/8	3,657.16	3/8	3,838.94	3/8	4,018.64	3/8	4,193.21	3/8	4,362.06	3/8	4,524.03	3/8	4,680.85	3/8		3/8		3/8	
1/2	3,660.95	1/2	3,842.73	1/2	4,022.33	1/2	4,196.79	1/2	4,365.49	1/2	4,527.35	1/2	4,684.06	1/2		1/2		1/2	
5/8	3,664.73	5/8	3,846.52	5/8	4,026.02	5/8	4,200.37	5/8	4,368.91	5/8	4,530.67	5/8	4,687.27	5/8		5/8		5/8	
3/4	3,668.52	3/4	3,850.31	3/4	4,029.71	3/4	4,203.95	3/4	4,372.34	3/4	4,533.99	3/4	4,690.48	3/4		3/4		3/4	
7/8	3,672.31	7/8	3,854.09	7/8	4,033.39	7/8	4,207.53	7/8	4,375.77	7/8	4,537.31	7/8	4,693.69	7/8		7/8		7/8	
2	3,676.09	8	3,857.88	2	4,037.08	8	4,211.11	2	4,379.20	8	4,540.63	2	4,696.90	8		2		8	
1/8	3,679.88	1/8	3,861.66	1/8	4,040.75	1/8	4,214.67	1/8	4,382.60	1/8	4,543.93	1/8	4,700.23	1/8		1/8		1/8	
1/4	3,683.67	1/4	3,865.44	1/4	4,044.42	1/4	4,218.23	1/4	4,386.01	1/4	4,547.23	1/4	4,703.57	1/4		1/4		1/4	
3/8	3,687.46	3/8	3,869.21	3/8	4,048.09	3/8	4,221.80	3/8	4,389.42	3/8	4,550.53	3/8	4,706.90	3/8		3/8		3/8	
1/2	3,691.24	1/2	3,872.99	1/2	4,051.76	1/2	4,225.36	1/2	4,392.83	1/2	4,553.83	1/2	4,710.24	1/2		1/2		1/2	
5/8	3,695.03	5/8	3,876.77	5/8	4,055.43	5/8	4,228.92	5/8	4,396.24	5/8	4,557.14	5/8	4,713.57	5/8		5/8		5/8	
3/4	3,698.82	3/4	3,880.55	3/4	4,059.09	3/4	4,232.48	3/4	4,399.65	3/4	4,560.44	3/4	4,716.90	3/4		3/4		3/4	
7/8	3,702.60	7/8	3,884.32	7/8	4,062.76	7/8	4,236.05	7/8	4,403.06	7/8	4,563.74	7/8	4,720.24	7/8		7/8		7/8	
3	3,706.39	9	3,888.10	3	4,066.43	9	4,239.61	3	4,406.47	9	4,567.04	3	4,723.57	9		3		9	
1/8	3,710.18	1/8	3,891.86	1/8	4,070.08	1/8	4,243.15	1/8	4,409.86	1/8	4,570.33	1/8	4,727.18	1/8		1/8		1/8	
1/4	3,713.97	1/4	3,895.62	1/4	4,073.74	1/4	4,246.69	1/4	4,413.25	1/4	4,573.61	1/4	4,730.78	1/4		1/4		1/4	
3/8	3,717.75	3/8	3,899.39	3/8	4,077.39	3/8	4,250.24	3/8	4,416.64	3/8	4,576.89	3/8	4,734.39	3/8		3/8		3/8	
1/2	3,721.54	1/2	3,903.15	1/2	4,081.04	1/2	4,253.78	1/2	4,420.03	1/2	4,580.18	1/2	4,738.00	1/2		1/2		1/2	
5/8	3,725.33	5/8	3,906.91	5/8	4,084.69	5/8	4,257.33	5/8	4,423.42	5/8	4,583.46	5/8	4,741.60	5/8		5/8		5/8	
3/4	3,729.11	3/4	3,910.67	3/4	4,088.34	3/4	4,260.87	3/4	4,426.81	3/4	4,586.74	3/4	4,745.21	3/4		3/4		3/4	
7/8	3,732.90	7/8	3,914.43	7/8	4,091.99	7/8	4,264.41	7/8	4,430.20	7/8	4,590.03	7/8	4,748.82	7/8		7/8		7/8	
4	3,736.69	10	3,918.19	4	4,095.64	10	4,267.96	4	4,433.59	10	4,593.31	4	4,752.42	10		4		10	
1/8	3,740.48	1/8	3,921.94	1/8	4,099.28	1/8	4,271.48	1/8	4,436.96	1/8	4,596.58	1/8	4,756.17	1/8		1/8		1/8	
1/4	3,744.26	1/4	3,925.68	1/4	4,102.91	1/4	4,275.01	1/4	4,440.33	1/4	4,599.84	1/4	4,759.91	1/4		1/4		1/4	
3/8	3,748.05	3/8	3,929.42	3/8	4,106.55	3/8	4,278.53	3/8	4,443.70	3/8	4,603.11	3/8	4,763.66	3/8		3/8		3/8	
1/2	3,751.84	1/2	3,933.17	1/2	4,110.19	1/2	4,282.06	1/2	4,447.07	1/2	4,606.37	1/2	4,767.40	1/2		1/2		1/2	
5/8	3,755.62	5/8	3,936.91	5/8	4,113.82	5/8	4,285.58	5/8	4,450.45	5/8	4,609.64	5/8	4,771.15	5/8		5/8		5/8	
3/4	3,759.41	3/4	3,940.65	3/4	4,117.46	3/4	4,289.11	3/4	4,453.82	3/4	4,612.90	3/4	4,774.89	3/4		3/4		3/4	
7/8	3,763.20	7/8	3,944.39	7/8	4,121.09	7/8	4,292.63	7/8	4,457.19	7/8	4,616.17	7/8	4,778.64	7/8		7/8		7/8	
5	3,766.99	11	3,948.14	5	4,124.73	11	4,296.16	5	4,460.56	11	4,619.43	5	4,782.38	11		5		11	
1/8	3,770.77	1/8	3,951.86	1/8	4,128.34	1/8	4,299.65	1/8	4,463.91	1/8	4,622.68	1/8	4,786.09	1/8		1/8		1/8	
1/4	3,774.56	1/4	3,955.59	1/4	4,131.96	1/4	4,303.15	1/4	4,467.27	1/4	4,625.92	1/4	4,789.79	1/4		1/4		1/4	
3/8	3,778.35	3/8	3,959.31	3/8	4,135.58	3/8	4,306.65	3/8	4,470.62	3/8	4,629.17	3/8	4,793.50	3/8		3/8		3/8	
1/2	3,782.13	1/2	3,963.04	1/2	4,139.20	1/2	4,310.14	1/2	4,473.97	1/2	4,632.42	1/2	4,797.20	1/2		1/2		1/2	
5/8	3,785.92	5/8	3,966.76	5/8	4,142.82	5/8	4,313.64	5/8	4,477.33	5/8	4,635.66	5/8	4,800.91	5/8		5/8		5/8	
3/4	3,789.71	3/4	3,970.48	3/4	4,146.43	3/4	4,317.13	3/4	4,480.68	3/4	4,638.91	3/4	4,804.62	3/4		3/4		3/4	
7/8	3,793.49	7/8	3,974.21	7/8	4,150.05	7/8	4,320.63	7/8	4,484.03	7/8	4,642.16	7/8	4,808.32	7/8		7/8		7/8	

STRAPPED: 11/25/2003 PMA  
RECOMPUTED: 11/05/2019 SW  
REPRINTED: 11/05/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

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 27716"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	47.23	6	143.79	0	325.59	6	500.15	0	679.16	6	855.92	0	1,032.10	6	1,210.54	0	1,389.33	6	1,569.70
1/8	47.70	1/8	147.58	1/8	329.37	1/8	503.94	1/8	682.85	1/8	859.59	1/8	1,035.77	1/8	1,214.32	1/8	1,393.03	1/8	1,573.48
1/4	48.18	1/4	151.37	1/4	333.15	1/4	507.73	1/4	686.53	1/4	863.26	1/4	1,039.44	1/4	1,218.10	1/4	1,396.74	1/4	1,577.26
3/8	48.65	3/8	155.15	3/8	336.92	3/8	511.52	3/8	690.22	3/8	866.93	3/8	1,043.11	3/8	1,221.88	3/8	1,400.44	3/8	1,581.05
1/2	49.12	1/2	158.94	1/2	340.70	1/2	515.31	1/2	693.91	1/2	870.60	1/2	1,046.78	1/2	1,225.66	1/2	1,404.14	1/2	1,584.83
5/8	49.60	5/8	162.73	5/8	344.47	5/8	519.10	5/8	697.59	5/8	874.27	5/8	1,050.45	5/8	1,229.44	5/8	1,407.84	5/8	1,588.61
3/4	50.07	3/4	166.52	3/4	348.25	3/4	522.89	3/4	701.28	3/4	877.94	3/4	1,054.11	3/4	1,233.22	3/4	1,411.54	3/4	1,592.39
7/8	50.55	7/8	170.30	7/8	352.03	7/8	526.68	7/8	704.96	7/8	881.61	7/8	1,057.78	7/8	1,237.00	7/8	1,415.24	7/8	1,596.18
1	51.02	7	174.09	1	355.80	7	530.48	1	708.65	7	885.28	1	1,061.45	7	1,240.78	1	1,418.95	7	1,599.96
1/8	51.92	1/8	177.88	1/8	359.58	1/8	534.27	1/8	712.33	1/8	888.96	1/8	1,065.13	1/8	1,244.52	1/8	1,422.68	1/8	1,603.75
1/4	52.82	1/4	181.67	1/4	363.36	1/4	538.06	1/4	716.02	1/4	892.63	1/4	1,068.80	1/4	1,248.26	1/4	1,426.42	1/4	1,607.54
3/8	53.72	3/8	185.46	3/8	367.14	3/8	541.85	3/8	719.70	3/8	896.30	3/8	1,072.47	3/8	1,252.01	3/8	1,430.16	3/8	1,611.33
1/2	54.62	1/2	189.25	1/2	370.92	1/2	545.64	1/2	723.39	1/2	899.97	1/2	1,076.14	1/2	1,255.75	1/2	1,433.89	1/2	1,615.12
5/8	55.52	5/8	193.04	5/8	374.70	5/8	549.43	5/8	727.08	5/8	903.64	5/8	1,079.81	5/8	1,259.49	5/8	1,437.63	5/8	1,618.90
3/4	56.42	3/4	196.83	3/4	378.48	3/4	553.22	3/4	730.76	3/4	907.31	3/4	1,083.48	3/4	1,263.23	3/4	1,441.36	3/4	1,622.69
7/8	57.32	7/8	200.62	7/8	382.26	7/8	557.01	7/8	734.45	7/8	910.98	7/8	1,087.15	7/8	1,266.97	7/8	1,445.10	7/8	1,626.48
2	58.22	8	204.41	2	386.04	8	560.81	2	738.13	8	914.65	2	1,090.82	8	1,270.71	2	1,448.84	8	1,630.27
1/8	59.75	1/8	208.20	1/8	389.72	1/8	564.54	1/8	741.82	1/8	918.32	1/8	1,094.50	1/8	1,274.41	1/8	1,452.61	1/8	1,634.06
1/4	61.29	1/4	211.99	1/4	393.39	1/4	568.28	1/4	745.50	1/4	921.99	1/4	1,098.17	1/4	1,278.11	1/4	1,456.39	1/4	1,637.85
3/8	62.83	3/8	215.78	3/8	397.07	3/8	572.02	3/8	749.19	3/8	925.66	3/8	1,101.84	3/8	1,281.82	3/8	1,460.17	3/8	1,641.64
1/2	64.37	1/2	219.58	1/2	400.74	1/2	575.76	1/2	752.87	1/2	929.34	1/2	1,105.52	1/2	1,285.52	1/2	1,463.94	1/2	1,645.42
5/8	65.91	5/8	223.37	5/8	404.42	5/8	579.50	5/8	756.56	5/8	933.01	5/8	1,109.19	5/8	1,289.23	5/8	1,467.72	5/8	1,649.21
3/4	67.45	3/4	227.16	3/4	408.09	3/4	583.23	3/4	760.24	3/4	936.68	3/4	1,112.87	3/4	1,292.93	3/4	1,471.50	3/4	1,653.00
7/8	68.99	7/8	230.95	7/8	411.77	7/8	586.97	7/8	763.93	7/8	940.35	7/8	1,116.54	7/8	1,296.64	7/8	1,475.28	7/8	1,656.79
3	70.53	9	234.74	3	415.44	9	590.71	3	767.62	9	944.02	3	1,120.21	9	1,300.34	3	1,479.05	9	1,660.58
1/8	72.92	1/8	238.53	1/8	418.90	1/8	594.40	1/8	771.30	1/8	947.69	1/8	1,123.94	1/8	1,304.05	1/8	1,482.83	1/8	1,664.37
1/4	75.32	1/4	242.32	1/4	422.35	1/4	598.08	1/4	774.99	1/4	951.36	1/4	1,127.67	1/4	1,307.76	1/4	1,486.61	1/4	1,668.16
3/8	77.72	3/8	246.11	3/8	425.81	3/8	601.77	3/8	778.67	3/8	955.03	3/8	1,131.40	3/8	1,311.46	3/8	1,490.38	3/8	1,671.95
1/2	80.11	1/2	249.90	1/2	429.26	1/2	605.45	1/2	782.36	1/2	958.70	1/2	1,135.13	1/2	1,315.17	1/2	1,494.16	1/2	1,675.73
5/8	82.51	5/8	253.69	5/8	432.72	5/8	609.14	5/8	786.04	5/8	962.37	5/8	1,138.86	5/8	1,318.88	5/8	1,497.94	5/8	1,679.52
3/4	84.90	3/4	257.48	3/4	436.17	3/4	612.82	3/4	789.73	3/4	966.04	3/4	1,142.58	3/4	1,322.59	3/4	1,501.71	3/4	1,683.31
7/8	87.30	7/8	261.27	7/8	439.62	7/8	616.51	7/8	793.41	7/8	969.71	7/8	1,146.31	7/8	1,326.30	7/8	1,505.49	7/8	1,687.10
4	89.69	10	265.06	4	443.08	10	620.20	4	797.10	10	973.38	4	1,150.04	10	1,330.01	4	1,509.27	10	1,690.89
1/8	92.84	1/8	268.85	1/8	446.53	1/8	623.88	1/8	800.78	1/8	977.05	1/8	1,153.82	1/8	1,333.71	1/8	1,513.04	1/8	1,694.68
1/4	95.98	1/4	272.64	1/4	449.99	1/4	627.57	1/4	804.46	1/4	980.72	1/4	1,157.60	1/4	1,337.42	1/4	1,516.82	1/4	1,698.47
3/8	99.12	3/8	276.42	3/8	453.44	3/8	631.25	3/8	808.14	3/8	984.39	3/8	1,161.38	3/8	1,341.13	3/8	1,520.60	3/8	1,702.26
1/2	102.26	1/2	280.21	1/2	456.90	1/2	634.94	1/2	811.82	1/2	988.06	1/2	1,165.16	1/2	1,344.84	1/2	1,524.38	1/2	1,706.04
5/8	105.40	5/8	284.00	5/8	460.35	5/8	638.62	5/8	815.50	5/8	991.73	5/8	1,168.95	5/8	1,348.54	5/8	1,528.15	5/8	1,709.83
3/4	108.54	3/4	287.78	3/4	463.81	3/4	642.31	3/4	819.18	3/4	995.40	3/4	1,172.73	3/4	1,352.25	3/4	1,531.93	3/4	1,713.62
7/8	111.68	7/8	291.57	7/8	467.26	7/8	645.99	7/8	822.86	7/8	999.07	7/8	1,176.51	7/8	1,355.96	7/8	1,535.71	7/8	1,717.41
5	114.83	11	295.36	5	470.71	11	649.68	5	826.54	11	1,002.74	5	1,180.29	11	1,359.67	5	1,539.48	11	1,721.20
1/8	118.45	1/8	299.14	1/8	474.39	1/8	653.37	1/8	830.21	1/8	1,006.41	1/8	1,184.07	1/8	1,363.38	1/8	1,543.26	1/8	1,724.99
1/4	122.07	1/4	302.92	1/4	478.07	1/4	657.05	1/4	833.88	1/4	1,010.08	1/4	1,187.85	1/4	1,367.08	1/4	1,547.04	1/4	1,728.78
3/8	125.69	3/8	306.70	3/8	481.75	3/8	660.74	3/8	837.56	3/8	1,013.75	3/8	1,191.63	3/8	1,370.79	3/8	1,550.81	3/8	1,732.56
1/2	129.31	1/2	310.48	1/2	485.43	1/2	664.42	1/2	841.23	1/2	1,017.42	1/2	1,195.41	1/2	1,374.50	1/2	1,554.59	1/2	1,736.35
5/8	132.93	5/8	314.26	5/8	489.11	5/8	668.11	5/8	844.90	5/8	1,021.09	5/8	1,199.19	5/8	1,378.21	5/8	1,558.37	5/8	1,740.14
3/4	136.55	3/4	318.04	3/4	492.79	3/4	671.79	3/4	848.57	3/4	1,024.76	3/4	1,202.97	3/4	1,381.92	3/4	1,562.14	3/4	1,743.93
7/8	140.17	7/8	321.82	7/8	496.47	7/8	675.48	7/8	852.24	7/8	1,028.43	7/8	1,206.76	7/8	1,385.62	7/8	1,565.92	7/8	1,747.72

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (2" STANDPIPE) LOCATED 11'-00" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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 27716"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,751.51	6	1,933.36	0	2,115.22	6	2,297.07	0	2,478.92	6	2,660.78	0	2,842.63	6	3,024.48	0	3,206.37	6	3,381.71
1/8	1,755.30	1/8	1,937.15	1/8	2,119.01	1/8	2,300.86	1/8	2,482.71	1/8	2,664.56	1/8	2,846.42	1/8	3,028.27	1/8	3,210.17	1/8	3,383.75
1/4	1,759.09	1/4	1,940.94	1/4	2,122.79	1/4	2,304.65	1/4	2,486.50	1/4	2,668.35	1/4	2,850.21	1/4	3,032.06	1/4	3,213.97	1/4	3,385.79
3/8	1,762.87	3/8	1,944.73	3/8	2,126.58	3/8	2,308.44	3/8	2,490.29	3/8	2,672.14	3/8	2,853.99	3/8	3,035.85	3/8	3,217.77	3/8	3,387.83
1/2	1,766.66	1/2	1,948.52	1/2	2,130.37	1/2	2,312.22	1/2	2,494.08	1/2	2,675.93	1/2	2,857.78	1/2	3,039.64	1/2	3,221.57	1/2	3,389.86
5/8	1,770.45	5/8	1,952.31	5/8	2,134.16	5/8	2,316.01	5/8	2,497.87	5/8	2,679.72	5/8	2,861.57	5/8	3,043.42	5/8	3,225.37	5/8	3,391.90
3/4	1,774.24	3/4	1,956.10	3/4	2,137.95	3/4	2,319.80	3/4	2,501.65	3/4	2,683.51	3/4	2,865.36	3/4	3,047.21	3/4	3,229.17	3/4	3,393.94
7/8	1,778.03	7/8	1,959.88	7/8	2,141.74	7/8	2,323.59	7/8	2,505.44	7/8	2,687.30	7/8	2,869.15	7/8	3,051.00	7/8	3,232.97	7/8	3,395.98
1	1,781.82	7	1,963.67	1	2,145.53	7	2,327.38	1	2,509.23	7	2,691.08	1	2,872.94	7	3,054.79	1	3,236.77	7	3,398.01
1/8	1,785.61	1/8	1,967.46	1/8	2,149.31	1/8	2,331.17	1/8	2,513.02	1/8	2,694.87	1/8	2,876.73	1/8	3,058.58	1/8	3,240.57	1/8	3,400.05
1/4	1,789.40	1/4	1,971.25	1/4	2,153.10	1/4	2,334.96	1/4	2,516.81	1/4	2,698.66	1/4	2,880.51	1/4	3,062.37	1/4	3,244.37	1/4	3,402.09
3/8	1,793.18	3/8	1,975.04	3/8	2,156.89	3/8	2,338.74	3/8	2,520.60	3/8	2,702.45	3/8	2,884.30	3/8	3,066.16	3/8	3,248.17	3/8	3,404.13
1/2	1,796.97	1/2	1,978.83	1/2	2,160.68	1/2	2,342.53	1/2	2,524.39	1/2	2,706.24	1/2	2,888.09	1/2	3,069.94	1/2	3,251.97	1/2	3,406.17
5/8	1,800.76	5/8	1,982.62	5/8	2,164.47	5/8	2,346.32	5/8	2,528.17	5/8	2,710.03	5/8	2,891.88	5/8	3,073.73	5/8	3,255.77	5/8	3,408.20
3/4	1,804.55	3/4	1,986.40	3/4	2,168.26	3/4	2,350.11	3/4	2,531.96	3/4	2,713.82	3/4	2,895.67	3/4	3,077.52	3/4	3,259.57	3/4	3,410.24
7/8	1,808.34	7/8	1,990.19	7/8	2,172.05	7/8	2,353.90	7/8	2,535.75	7/8	2,717.60	7/8	2,899.46	7/8	3,081.31	7/8	3,263.37	7/8	3,412.28
2	1,812.13	8	1,993.98	2	2,175.83	8	2,357.69	2	2,539.54	8	2,721.39	2	2,903.25	8	3,085.10	2	3,267.17	8	3,414.32
1/8	1,815.92	1/8	1,997.77	1/8	2,179.62	1/8	2,361.48	1/8	2,543.33	1/8	2,725.18	1/8	2,907.03	1/8	3,088.89	1/8	3,270.97	1/8	3,416.36
1/4	1,819.70	1/4	2,001.56	1/4	2,183.41	1/4	2,365.26	1/4	2,547.12	1/4	2,728.97	1/4	2,910.82	1/4	3,092.68	1/4	3,274.77	1/4	3,418.39
3/8	1,823.49	3/8	2,005.35	3/8	2,187.20	3/8	2,369.05	3/8	2,550.91	3/8	2,732.76	3/8	2,914.61	3/8	3,096.46	3/8	3,278.57	3/8	3,420.43
1/2	1,827.28	1/2	2,009.14	1/2	2,190.99	1/2	2,372.84	1/2	2,554.69	1/2	2,736.55	1/2	2,918.40	1/2	3,100.25	1/2	3,282.37	1/2	3,422.47
5/8	1,831.07	5/8	2,012.92	5/8	2,194.78	5/8	2,376.63	5/8	2,558.48	5/8	2,740.34	5/8	2,922.19	5/8	3,104.04	5/8	3,286.17	5/8	3,424.51
3/4	1,834.86	3/4	2,016.71	3/4	2,198.57	3/4	2,380.42	3/4	2,562.27	3/4	2,744.12	3/4	2,925.98	3/4	3,107.83	3/4	3,289.97	3/4	3,426.55
7/8	1,838.65	7/8	2,020.50	7/8	2,202.35	7/8	2,384.21	7/8	2,566.06	7/8	2,747.91	7/8	2,929.77	7/8	3,111.62	7/8	3,293.77	7/8	3,428.58
3	1,842.44	9	2,024.29	3	2,206.14	9	2,388.00	3	2,569.85	9	2,751.70	3	2,933.55	9	3,115.41	3	3,297.57	9	3,430.62
1/8	1,846.23	1/8	2,028.08	1/8	2,209.93	1/8	2,391.78	1/8	2,573.64	1/8	2,755.49	1/8	2,937.34	1/8	3,119.20	1/8	3,301.36	1/8	3,432.66
1/4	1,850.01	1/4	2,031.87	1/4	2,213.72	1/4	2,395.57	1/4	2,577.43	1/4	2,759.28	1/4	2,941.13	1/4	3,122.98	1/4	3,305.16	1/4	3,434.70
3/8	1,853.80	3/8	2,035.66	3/8	2,217.51	3/8	2,399.36	3/8	2,581.21	3/8	2,763.07	3/8	2,944.92	3/8	3,126.77	3/8	3,308.96	3/8	3,436.73
1/2	1,857.59	1/2	2,039.45	1/2	2,221.30	1/2	2,403.15	1/2	2,585.00	1/2	2,766.86	1/2	2,948.71	1/2	3,130.56	1/2	3,312.76	1/2	3,438.77
5/8	1,861.38	5/8	2,043.23	5/8	2,225.09	5/8	2,406.94	5/8	2,588.79	5/8	2,770.64	5/8	2,952.50	5/8	3,134.35	5/8	3,316.56	5/8	3,440.81
3/4	1,865.17	3/4	2,047.02	3/4	2,228.88	3/4	2,410.73	3/4	2,592.58	3/4	2,774.43	3/4	2,956.29	3/4	3,138.14	3/4	3,320.36	3/4	3,442.85
7/8	1,868.96	7/8	2,050.81	7/8	2,232.66	7/8	2,414.52	7/8	2,596.37	7/8	2,778.22	7/8	2,960.07	7/8	3,141.93	7/8	3,324.16	7/8	3,444.89
4	1,872.75	10	2,054.60	4	2,236.45	10	2,418.31	4	2,600.16	10	2,782.01	4	2,963.86	10	3,145.72	4	3,327.96	10	3,446.92
1/8	1,876.54	1/8	2,058.39	1/8	2,240.24	1/8	2,422.09	1/8	2,603.95	1/8	2,785.80	1/8	2,967.65	1/8	3,149.50	1/8	3,331.76	1/8	3,448.96
1/4	1,880.32	1/4	2,062.18	1/4	2,244.03	1/4	2,425.88	1/4	2,607.74	1/4	2,789.59	1/4	2,971.44	1/4	3,153.29	1/4	3,335.56	1/4	3,451.00
3/8	1,884.11	3/8	2,065.97	3/8	2,247.82	3/8	2,429.67	3/8	2,611.52	3/8	2,793.38	3/8	2,975.23	3/8	3,157.08	3/8	3,339.36	3/8	3,453.04
1/2	1,887.90	1/2	2,069.75	1/2	2,251.61	1/2	2,433.46	1/2	2,615.31	1/2	2,797.17	1/2	2,979.02	1/2	3,160.87	1/2	3,343.16	1/2	3,455.08
5/8	1,891.69	5/8	2,073.54	5/8	2,255.40	5/8	2,437.25	5/8	2,619.10	5/8	2,800.95	5/8	2,982.81	5/8	3,164.66	5/8	3,346.96	5/8	3,457.11
3/4	1,895.48	3/4	2,077.33	3/4	2,259.18	3/4	2,441.04	3/4	2,622.89	3/4	2,804.74	3/4	2,986.60	3/4	3,168.45	3/4	3,350.76	3/4	3,459.15
7/8	1,899.27	7/8	2,081.12	7/8	2,262.97	7/8	2,444.83	7/8	2,626.68	7/8	2,808.53	7/8	2,990.38	7/8	3,172.24	7/8	3,354.56	7/8	3,461.19
5	1,903.06	11	2,084.91	5	2,266.76	11	2,448.61	5	2,630.47	11	2,812.32	5	2,994.17	11	3,176.03	5	3,358.36	11	3,463.23
1/8	1,906.84	1/8	2,088.70	1/8	2,270.55	1/8	2,452.40	1/8	2,634.26	1/8	2,816.11	1/8	2,997.96	1/8	3,179.82	1/8	3,361.28	1/8	3,465.27
1/4	1,910.63	1/4	2,092.49	1/4	2,274.34	1/4	2,456.19	1/4	2,638.04	1/4	2,819.90	1/4	3,001.75	1/4	3,183.61	1/4	3,364.20	1/4	3,467.30
3/8	1,914.42	3/8	2,096.27	3/8	2,278.13	3/8	2,459.98	3/8	2,641.83	3/8	2,823.69	3/8	3,005.54	3/8	3,187.40	3/8	3,367.12	3/8	3,469.34
1/2	1,918.21	1/2	2,100.06	1/2	2,281.92	1/2	2,463.77	1/2	2,645.62	1/2	2,827.47	1/2	3,009.33	1/2	3,191.20	1/2	3,370.04	1/2	3,471.38
5/8	1,922.00	5/8	2,103.85	5/8	2,285.70	5/8	2,467.56	5/8	2,649.41	5/8	2,831.26	5/8	3,013.12	5/8	3,194.99	5/8	3,372.96	5/8	3,473.42
3/4	1,925.79	3/4	2,107.64	3/4	2,289.49	3/4	2,471.35	3/4	2,653.20	3/4	2,835.05	3/4	3,016.90	3/4	3,198.78	3/4	3,375.87	3/4	3,475.45
7/8	1,929.58	7/8	2,111.43	7/8	2,293.28	7/8	2,475.13	7/8	2,656.99	7/8	2,838.84	7/8	3,020.69	7/8	3,202.58	7/8	3,378.79	7/8	3,477.49

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PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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# BARGE "KIRBY 27716"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	3,479.53	6	3,577.34	0	3,673.77	6	3,767.41	0	3,857.54	6	3,943.46	0	4,026.59	6		0	6		
1/8	3,481.57	1/8	3,579.38	1/8	3,675.74	1/8	3,769.33	1/8	3,859.35	1/8	3,945.21	1/8	4,028.37	1/8		1/8	1/8		
1/4	3,483.61	1/4	3,581.41	1/4	3,677.72	1/4	3,771.25	1/4	3,861.17	1/4	3,946.97	1/4	4,030.14	1/4		1/4	1/4		
3/8	3,485.64	3/8	3,583.44	3/8	3,679.69	3/8	3,773.16	3/8	3,862.98	3/8	3,948.73	3/8	4,031.92	3/8		3/8	3/8		
1/2	3,487.68	1/2	3,585.47	1/2	3,681.67	1/2	3,775.08	1/2	3,864.80	1/2	3,950.48	1/2	4,033.69	1/2		1/2	1/2		
5/8	3,489.72	5/8	3,587.51	5/8	3,683.64	5/8	3,777.00	5/8	3,866.61	5/8	3,952.24	5/8	4,035.46	5/8		5/8	5/8		
3/4	3,491.76	3/4	3,589.54	3/4	3,685.62	3/4	3,778.91	3/4	3,868.43	3/4	3,954.00	3/4	4,037.24	3/4		3/4	3/4		
7/8	3,493.80	7/8	3,591.57	7/8	3,687.59	7/8	3,780.83	7/8	3,870.24	7/8	3,955.75	7/8	4,039.01	7/8		7/8	7/8		
1	3,495.83	7	3,593.60	1	3,689.56	7	3,782.75	1	3,872.06	7	3,957.51	1	4,040.79	7		1	7		
1/8	3,497.87	1/8	3,595.63	1/8	3,691.53	1/8	3,784.65	1/8	3,873.86	1/8	3,959.26	1/8	4,042.71	1/8		1/8	1/8		
1/4	3,499.91	1/4	3,597.65	1/4	3,693.49	1/4	3,786.56	1/4	3,875.66	1/4	3,961.01	1/4	4,044.63	1/4		1/4	1/4		
3/8	3,501.95	3/8	3,599.68	3/8	3,695.46	3/8	3,788.47	3/8	3,877.47	3/8	3,962.75	3/8	4,046.55	3/8		3/8	3/8		
1/2	3,503.99	1/2	3,601.70	1/2	3,697.42	1/2	3,790.37	1/2	3,879.27	1/2	3,964.50	1/2	4,048.47	1/2		1/2	1/2		
5/8	3,506.02	5/8	3,603.72	5/8	3,699.39	5/8	3,792.28	5/8	3,881.08	5/8	3,966.25	5/8	4,050.39	5/8		5/8	5/8		
3/4	3,508.06	3/4	3,605.75	3/4	3,701.35	3/4	3,794.19	3/4	3,882.88	3/4	3,967.99	3/4	4,052.31	3/4		3/4	3/4		
7/8	3,510.10	7/8	3,607.77	7/8	3,703.32	7/8	3,796.09	7/8	3,884.69	7/8	3,969.74	7/8	4,054.23	7/8		7/8	7/8		
2	3,512.14	8	3,609.80	2	3,705.28	8	3,798.00	2	3,886.49	8	3,971.49	2	4,056.15	8		2	8		
1/8	3,514.17	1/8	3,611.81	1/8	3,707.24	1/8	3,799.90	1/8	3,888.29	1/8	3,973.23	1/8	4,058.15	1/8		1/8	1/8		
1/4	3,516.21	1/4	3,613.82	1/4	3,709.19	1/4	3,801.79	1/4	3,890.08	1/4	3,974.96	1/4	4,060.15	1/4		1/4	1/4		
3/8	3,518.25	3/8	3,615.84	3/8	3,711.15	3/8	3,803.69	3/8	3,891.87	3/8	3,976.70	3/8	4,062.14	3/8		3/8	3/8		
1/2	3,520.29	1/2	3,617.85	1/2	3,713.11	1/2	3,805.59	1/2	3,893.67	1/2	3,978.44	1/2	4,064.14	1/2		1/2	1/2		
5/8	3,522.33	5/8	3,619.87	5/8	3,715.06	5/8	3,807.48	5/8	3,895.46	5/8	3,980.17	5/8	4,066.13	5/8		5/8	5/8		
3/4	3,524.36	3/4	3,621.88	3/4	3,717.02	3/4	3,809.38	3/4	3,897.26	3/4	3,981.91	3/4	4,068.13	3/4		3/4	3/4		
7/8	3,526.40	7/8	3,623.89	7/8	3,718.97	7/8	3,811.28	7/8	3,899.05	7/8	3,983.65	7/8	4,070.12	7/8		7/8	7/8		
3	3,528.44	9	3,625.91	3	3,720.93	9	3,813.17	3	3,900.85	9	3,985.38	3	4,072.12	9		3	9		
1/8	3,530.48	1/8	3,627.91	1/8	3,722.88	1/8	3,815.05	1/8	3,902.63	1/8	3,987.11	1/8	4,074.08	1/8		1/8	1/8		
1/4	3,532.52	1/4	3,629.92	1/4	3,724.82	1/4	3,816.93	1/4	3,904.42	1/4	3,988.84	1/4	4,076.03	1/4		1/4	1/4		
3/8	3,534.55	3/8	3,631.92	3/8	3,726.77	3/8	3,818.80	3/8	3,906.20	3/8	3,990.57	3/8	4,077.99	3/8		3/8	3/8		
1/2	3,536.59	1/2	3,633.93	1/2	3,728.72	1/2	3,820.68	1/2	3,907.99	1/2	3,992.29	1/2	4,079.94	1/2		1/2	1/2		
5/8	3,538.63	5/8	3,635.93	5/8	3,730.66	5/8	3,822.55	5/8	3,909.77	5/8	3,994.02	5/8	4,081.90	5/8		5/8	5/8		
3/4	3,540.67	3/4	3,637.93	3/4	3,732.61	3/4	3,824.43	3/4	3,911.55	3/4	3,995.75	3/4	4,083.85	3/4		3/4	3/4		
7/8	3,542.71	7/8	3,639.94	7/8	3,734.56	7/8	3,826.31	7/8	3,913.34	7/8	3,997.47	7/8	4,085.81	7/8		7/8	7/8		
4	3,544.74	10	3,641.94	4	3,736.50	10	3,828.18	4	3,915.12	10	3,999.20	4	4,087.77	10		4	10		
1/8	3,546.78	1/8	3,643.94	1/8	3,738.44	1/8	3,830.03	1/8	3,916.90	1/8	4,000.92	1/8	4,089.41	1/8		1/8	1/8		
1/4	3,548.82	1/4	3,645.93	1/4	3,740.38	1/4	3,831.87	1/4	3,918.67	1/4	4,002.63	1/4	4,091.05	1/4		1/4	1/4		
3/8	3,550.86	3/8	3,647.93	3/8	3,742.31	3/8	3,833.72	3/8	3,920.45	3/8	4,004.35	3/8	4,092.68	3/8		3/8	3/8		
1/2	3,552.90	1/2	3,649.92	1/2	3,744.25	1/2	3,835.56	1/2	3,922.22	1/2	4,006.07	1/2	4,094.32	1/2		1/2	1/2		
5/8	3,554.93	5/8	3,651.91	5/8	3,746.19	5/8	3,837.41	5/8	3,924.00	5/8	4,007.79	5/8	4,095.96	5/8		5/8	5/8		
3/4	3,556.97	3/4	3,653.91	3/4	3,748.12	3/4	3,839.25	3/4	3,925.77	3/4	4,009.50	3/4	4,097.60	3/4		3/4	3/4		
7/8	3,559.01	7/8	3,655.90	7/8	3,750.06	7/8	3,841.10	7/8	3,927.55	7/8	4,011.22	7/8	4,099.24	7/8		7/8	7/8		
5	3,561.05	11	3,657.90	5	3,752.00	11	3,842.94	5	3,929.32	11	4,012.94	5	4,100.88	11		5	11		
1/8	3,563.08	1/8	3,659.88	1/8	3,753.92	1/8	3,844.77	1/8	3,931.09	1/8	4,014.64	1/8		1/8		1/8	1/8		
1/4	3,565.12	1/4	3,661.86	1/4	3,755.85	1/4	3,846.59	1/4	3,932.86	1/4	4,016.35	1/4		1/4		1/4	1/4		
3/8	3,567.16	3/8	3,663.85	3/8	3,757.78	3/8	3,848.42	3/8	3,934.62	3/8	4,018.06	3/8		3/8		3/8	3/8		
1/2	3,569.19	1/2	3,665.83	1/2	3,759.71	1/2	3,850.24	1/2	3,936.39	1/2	4,019.77	1/2		1/2		1/2	1/2		
5/8	3,571.23	5/8	3,667.82	5/8	3,761.63	5/8	3,852.07	5/8	3,938.16	5/8	4,021.47	5/8		5/8		5/8	5/8		
3/4	3,573.27	3/4	3,669.80	3/4	3,763.56	3/4	3,853.89	3/4	3,939.92	3/4	4,023.18	3/4		3/4		3/4	3/4		
7/8	3,575.31	7/8	3,671.79	7/8	3,765.49	7/8	3,855.71	7/8	3,941.69	7/8	4,024.89	7/8		7/8		7/8	7/8		

STRAPPED: 11/25/2003 PMA  
RECOMPUTED: 11/05/2019 SW  
REPRINTED: 11/05/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "KIRBY 27716"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	0 FT.	IN	1 FT.	IN	1 FT.	IN	2 FT.	IN	2 FT.	IN	3 FT.	IN	3 FT.	IN	4 FT.	IN	4 FT.
0	47.18	6	144.00	0	325.89	6	500.55	0	682.61	6	864.51	0	1,045.87	6	1,227.66	0	1,406.80	6	1,587.88
1/8	47.66	1/8	147.78	1/8	329.67	1/8	504.34	1/8	686.40	1/8	868.29	1/8	1,049.65	1/8	1,231.45	1/8	1,410.51	1/8	1,591.67
1/4	48.14	1/4	151.57	1/4	333.44	1/4	508.13	1/4	690.19	1/4	872.06	1/4	1,053.43	1/4	1,235.24	1/4	1,414.22	1/4	1,595.46
3/8	48.62	3/8	155.36	3/8	337.22	3/8	511.93	3/8	693.98	3/8	875.84	3/8	1,057.21	3/8	1,239.04	3/8	1,417.93	3/8	1,599.25
1/2	49.10	1/2	159.15	1/2	341.00	1/2	515.72	1/2	697.78	1/2	879.62	1/2	1,060.98	1/2	1,242.83	1/2	1,421.65	1/2	1,603.05
5/8	49.59	5/8	162.94	5/8	344.78	5/8	519.51	5/8	701.57	5/8	883.40	5/8	1,064.76	5/8	1,246.62	5/8	1,425.36	5/8	1,606.84
3/4	50.07	3/4	166.73	3/4	348.56	3/4	523.31	3/4	705.36	3/4	887.18	3/4	1,068.54	3/4	1,250.42	3/4	1,429.07	3/4	1,610.63
7/8	50.55	7/8	170.52	7/8	352.33	7/8	527.10	7/8	709.16	7/8	890.96	7/8	1,072.32	7/8	1,254.21	7/8	1,432.78	7/8	1,614.43
1	51.03	7	174.31	1	356.11	7	530.89	1	712.95	7	894.73	1	1,076.10	7	1,258.00	1	1,436.49	7	1,618.22
1/8	51.94	1/8	178.10	1/8	359.89	1/8	534.68	1/8	716.74	1/8	898.51	1/8	1,079.88	1/8	1,261.75	1/8	1,440.25	1/8	1,622.01
1/4	52.85	1/4	181.89	1/4	363.68	1/4	538.48	1/4	720.53	1/4	902.29	1/4	1,083.66	1/4	1,265.51	1/4	1,444.00	1/4	1,625.80
3/8	53.75	3/8	185.68	3/8	367.46	3/8	542.27	3/8	724.33	3/8	906.07	3/8	1,087.44	3/8	1,269.26	3/8	1,447.75	3/8	1,629.60
1/2	54.66	1/2	189.48	1/2	371.24	1/2	546.06	1/2	728.12	1/2	909.85	1/2	1,091.21	1/2	1,273.01	1/2	1,451.50	1/2	1,633.39
5/8	55.57	5/8	193.27	5/8	375.02	5/8	549.86	5/8	731.91	5/8	913.63	5/8	1,094.99	5/8	1,276.76	5/8	1,455.25	5/8	1,637.18
3/4	56.47	3/4	197.06	3/4	378.80	3/4	553.65	3/4	735.71	3/4	917.40	3/4	1,098.77	3/4	1,280.52	3/4	1,459.01	3/4	1,640.97
7/8	57.38	7/8	200.85	7/8	382.58	7/8	557.44	7/8	739.50	7/8	921.18	7/8	1,102.55	7/8	1,284.27	7/8	1,462.76	7/8	1,644.77
2	58.29	8	204.65	2	386.37	8	561.24	2	743.29	8	924.96	2	1,106.33	8	1,288.02	2	1,466.51	8	1,648.56
1/8	59.83	1/8	208.44	1/8	390.04	1/8	565.03	1/8	747.08	1/8	928.74	1/8	1,110.12	1/8	1,291.73	1/8	1,470.30	1/8	1,652.35
1/4	61.38	1/4	212.23	1/4	393.72	1/4	568.82	1/4	750.88	1/4	932.52	1/4	1,113.91	1/4	1,295.45	1/4	1,474.10	1/4	1,656.14
3/8	62.92	3/8	216.02	3/8	397.40	3/8	572.61	3/8	754.67	3/8	936.30	3/8	1,117.69	3/8	1,299.16	3/8	1,477.89	3/8	1,659.94
1/2	64.47	1/2	219.82	1/2	401.08	1/2	576.41	1/2	758.46	1/2	940.08	1/2	1,121.48	1/2	1,302.87	1/2	1,481.68	1/2	1,663.73
5/8	66.01	5/8	223.61	5/8	404.75	5/8	580.20	5/8	762.26	5/8	943.85	5/8	1,125.27	5/8	1,306.58	5/8	1,485.47	5/8	1,667.52
3/4	67.56	3/4	227.40	3/4	408.43	3/4	583.99	3/4	766.05	3/4	947.63	3/4	1,129.05	3/4	1,310.29	3/4	1,489.27	3/4	1,671.32
7/8	69.10	7/8	231.19	7/8	412.11	7/8	587.79	7/8	769.84	7/8	951.41	7/8	1,132.84	7/8	1,314.01	7/8	1,493.06	7/8	1,675.11
3	70.65	9	234.99	3	415.78	9	591.58	3	773.63	9	955.19	3	1,136.63	9	1,317.72	3	1,496.85	9	1,678.90
1/8	73.05	1/8	238.78	1/8	419.24	1/8	595.37	1/8	777.43	1/8	958.97	1/8	1,140.42	1/8	1,321.43	1/8	1,500.64	1/8	1,682.69
1/4	75.45	1/4	242.57	1/4	422.70	1/4	599.16	1/4	781.22	1/4	962.75	1/4	1,144.21	1/4	1,325.14	1/4	1,504.44	1/4	1,686.49
3/8	77.85	3/8	246.36	3/8	426.16	3/8	602.96	3/8	785.01	3/8	966.52	3/8	1,148.00	3/8	1,328.85	3/8	1,508.23	3/8	1,690.28
1/2	80.25	1/2	250.16	1/2	429.61	1/2	606.75	1/2	788.80	1/2	970.30	1/2	1,151.80	1/2	1,332.56	1/2	1,512.02	1/2	1,694.07
5/8	82.65	5/8	253.95	5/8	433.07	5/8	610.54	5/8	792.60	5/8	974.08	5/8	1,155.59	5/8	1,336.28	5/8	1,515.81	5/8	1,697.86
3/4	85.05	3/4	257.74	3/4	436.53	3/4	614.34	3/4	796.39	3/4	977.86	3/4	1,159.38	3/4	1,339.99	3/4	1,519.61	3/4	1,701.66
7/8	87.45	7/8	261.53	7/8	439.98	7/8	618.13	7/8	800.18	7/8	981.64	7/8	1,163.18	7/8	1,343.70	7/8	1,523.40	7/8	1,705.45
4	89.85	10	265.33	4	443.44	10	621.92	4	803.98	10	985.42	4	1,166.97	10	1,347.41	4	1,527.19	10	1,709.24
1/8	93.00	1/8	269.11	1/8	446.90	1/8	625.71	1/8	807.76	1/8	989.19	1/8	1,170.76	1/8	1,351.12	1/8	1,530.99	1/8	1,713.04
1/4	96.14	1/4	272.90	1/4	450.35	1/4	629.51	1/4	811.55	1/4	992.97	1/4	1,174.56	1/4	1,354.84	1/4	1,534.78	1/4	1,716.83
3/8	99.29	3/8	276.69	3/8	453.81	3/8	633.30	3/8	815.34	3/8	996.75	3/8	1,178.35	3/8	1,358.55	3/8	1,538.57	3/8	1,720.62
1/2	102.43	1/2	280.48	1/2	457.27	1/2	637.09	1/2	819.12	1/2	1,000.53	1/2	1,182.14	1/2	1,362.26	1/2	1,542.36	1/2	1,724.41
5/8	105.57	5/8	284.27	5/8	460.73	5/8	640.89	5/8	822.91	5/8	1,004.31	5/8	1,185.93	5/8	1,365.97	5/8	1,546.16	5/8	1,728.21
3/4	108.72	3/4	288.06	3/4	464.18	3/4	644.68	3/4	826.70	3/4	1,008.09	3/4	1,189.73	3/4	1,369.68	3/4	1,549.95	3/4	1,732.00
7/8	111.86	7/8	291.85	7/8	467.64	7/8	648.47	7/8	830.49	7/8	1,011.86	7/8	1,193.52	7/8	1,373.39	7/8	1,553.74	7/8	1,735.79
5	115.01	11	295.64	5	471.10	11	652.26	5	834.27	11	1,015.64	5	1,197.31	11	1,377.11	5	1,557.53	11	1,739.58
1/8	118.63	1/8	299.42	1/8	474.78	1/8	656.06	1/8	838.05	1/8	1,019.42	1/8	1,201.11	1/8	1,380.82	1/8	1,561.33	1/8	1,743.38
1/4	122.25	1/4	303.20	1/4	478.46	1/4	659.85	1/4	841.83	1/4	1,023.20	1/4	1,204.90	1/4	1,384.53	1/4	1,565.12	1/4	1,747.17
3/8	125.88	3/8	306.98	3/8	482.14	3/8	663.64	3/8	845.61	3/8	1,026.98	3/8	1,208.69	3/8	1,388.24	3/8	1,568.91	3/8	1,750.96
1/2	129.50	1/2	310.76	1/2	485.82	1/2	667.44	1/2	849.39	1/2	1,030.76	1/2	1,212.49	1/2	1,391.95	1/2	1,572.71	1/2	1,754.75
5/8	133.13	5/8	314.54	5/8	489.50	5/8	671.23	5/8	853.17	5/8	1,034.54	5/8	1,216.28	5/8	1,395.66	5/8	1,576.50	5/8	1,758.55
3/4	136.75	3/4	318.32	3/4	493.18	3/4	675.02	3/4	856.95	3/4	1,038.31	3/4	1,220.07	3/4	1,399.38	3/4	1,580.29	3/4	1,762.34
7/8	140.37	7/8	322.11	7/8	496.87	7/8	678.81	7/8	860.73	7/8	1,042.09	7/8	1,223.86	7/8	1,403.09	7/8	1,584.08	7/8	1,766.13

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 AT 2" DIAMETER STANDPIPE

GAUGE POINT: (2" STANDPIPE) LOCATED 11'-00" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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 27716"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	5 FT.	IN	5 FT.	IN	6 FT.	IN	6 FT.	IN	7 FT.	IN	7 FT.	IN	8 FT.	IN	8 FT.	IN	9 FT.	IN	9 FT.
0	1,769.93	6	1,951.97	0	2,134.02	6	2,316.06	0	2,498.11	6	2,680.15	0	2,862.20	6	3,044.24	0	3,226.29	6	3,401.29
1/8	1,773.72	1/8	1,955.77	1/8	2,137.81	1/8	2,319.86	1/8	2,501.90	1/8	2,683.95	1/8	2,865.99	1/8	3,048.04	1/8	3,230.08	1/8	3,403.32
1/4	1,777.51	1/4	1,959.56	1/4	2,141.60	1/4	2,323.65	1/4	2,505.69	1/4	2,687.74	1/4	2,869.78	1/4	3,051.83	1/4	3,233.87	1/4	3,405.36
3/8	1,781.30	3/8	1,963.35	3/8	2,145.40	3/8	2,327.44	3/8	2,509.49	3/8	2,691.53	3/8	2,873.58	3/8	3,055.62	3/8	3,237.67	3/8	3,407.39
1/2	1,785.10	1/2	1,967.14	1/2	2,149.19	1/2	2,331.23	1/2	2,513.28	1/2	2,695.32	1/2	2,877.37	1/2	3,059.41	1/2	3,241.46	1/2	3,409.42
5/8	1,788.89	5/8	1,970.94	5/8	2,152.98	5/8	2,335.03	5/8	2,517.07	5/8	2,699.12	5/8	2,881.16	5/8	3,063.21	5/8	3,245.25	5/8	3,411.46
3/4	1,792.68	3/4	1,974.73	3/4	2,156.77	3/4	2,338.82	3/4	2,520.86	3/4	2,702.91	3/4	2,884.95	3/4	3,067.00	3/4	3,249.04	3/4	3,413.49
7/8	1,796.47	7/8	1,978.52	7/8	2,160.57	7/8	2,342.61	7/8	2,524.66	7/8	2,706.70	7/8	2,888.75	7/8	3,070.79	7/8	3,252.84	7/8	3,415.53
1	1,800.27	7	1,982.31	1	2,164.36	7	2,346.40	1	2,528.45	7	2,710.49	1	2,892.54	7	3,074.58	1	3,256.63	7	3,417.56
1/8	1,804.06	1/8	1,986.11	1/8	2,168.15	1/8	2,350.20	1/8	2,532.24	1/8	2,714.29	1/8	2,896.33	1/8	3,078.38	1/8	3,260.42	1/8	3,419.59
1/4	1,807.85	1/4	1,989.90	1/4	2,171.94	1/4	2,353.99	1/4	2,536.03	1/4	2,718.08	1/4	2,900.12	1/4	3,082.17	1/4	3,264.21	1/4	3,421.63
3/8	1,811.65	3/8	1,993.69	3/8	2,175.74	3/8	2,357.78	3/8	2,539.83	3/8	2,721.87	3/8	2,903.92	3/8	3,085.96	3/8	3,268.01	3/8	3,423.66
1/2	1,815.44	1/2	1,997.48	1/2	2,179.53	1/2	2,361.57	1/2	2,543.62	1/2	2,725.66	1/2	2,907.71	1/2	3,089.75	1/2	3,271.80	1/2	3,425.70
5/8	1,819.23	5/8	2,001.28	5/8	2,183.32	5/8	2,365.37	5/8	2,547.41	5/8	2,729.46	5/8	2,911.50	5/8	3,093.55	5/8	3,275.59	5/8	3,427.73
3/4	1,823.02	3/4	2,005.07	3/4	2,187.11	3/4	2,369.16	3/4	2,551.20	3/4	2,733.25	3/4	2,915.29	3/4	3,097.34	3/4	3,279.38	3/4	3,429.76
7/8	1,826.82	7/8	2,008.86	7/8	2,190.91	7/8	2,372.95	7/8	2,555.00	7/8	2,737.04	7/8	2,919.09	7/8	3,101.13	7/8	3,283.18	7/8	3,431.80
2	1,830.61	8	2,012.66	2	2,194.70	8	2,376.74	2	2,558.79	8	2,740.83	2	2,922.88	8	3,104.92	2	3,286.97	8	3,433.83
1/8	1,834.40	1/8	2,016.45	1/8	2,198.49	1/8	2,380.54	1/8	2,562.58	1/8	2,744.63	1/8	2,926.67	1/8	3,108.72	1/8	3,290.76	1/8	3,435.87
1/4	1,838.19	1/4	2,020.24	1/4	2,202.29	1/4	2,384.33	1/4	2,566.37	1/4	2,748.42	1/4	2,930.46	1/4	3,112.51	1/4	3,294.55	1/4	3,437.90
3/8	1,841.99	3/8	2,024.03	3/8	2,206.08	3/8	2,388.12	3/8	2,570.17	3/8	2,752.21	3/8	2,934.26	3/8	3,116.30	3/8	3,298.35	3/8	3,439.93
1/2	1,845.78	1/2	2,027.83	1/2	2,209.87	1/2	2,391.92	1/2	2,573.96	1/2	2,756.00	1/2	2,938.05	1/2	3,120.09	1/2	3,302.14	1/2	3,441.97
5/8	1,849.57	5/8	2,031.62	5/8	2,213.66	5/8	2,395.71	5/8	2,577.75	5/8	2,759.80	5/8	2,941.84	5/8	3,123.89	5/8	3,305.93	5/8	3,444.00
3/4	1,853.37	3/4	2,035.41	3/4	2,217.46	3/4	2,399.50	3/4	2,581.55	3/4	2,763.59	3/4	2,945.63	3/4	3,127.68	3/4	3,309.72	3/4	3,446.04
7/8	1,857.16	7/8	2,039.20	7/8	2,221.25	7/8	2,403.29	7/8	2,585.34	7/8	2,767.38	7/8	2,949.43	7/8	3,131.47	7/8	3,313.52	7/8	3,448.07
3	1,860.95	9	2,043.00	3	2,225.04	9	2,407.09	3	2,589.13	9	2,771.18	3	2,953.22	9	3,135.26	3	3,317.31	9	3,450.10
1/8	1,864.74	1/8	2,046.79	1/8	2,228.83	1/8	2,410.88	1/8	2,592.92	1/8	2,774.97	1/8	2,957.01	1/8	3,139.06	1/8	3,321.10	1/8	3,452.14
1/4	1,868.54	1/4	2,050.58	1/4	2,232.63	1/4	2,414.67	1/4	2,596.72	1/4	2,778.76	1/4	2,960.81	1/4	3,142.85	1/4	3,324.89	1/4	3,454.17
3/8	1,872.33	3/8	2,054.37	3/8	2,236.42	3/8	2,418.46	3/8	2,600.51	3/8	2,782.55	3/8	2,964.60	3/8	3,146.64	3/8	3,328.69	3/8	3,456.21
1/2	1,876.12	1/2	2,058.17	1/2	2,240.21	1/2	2,422.26	1/2	2,604.30	1/2	2,786.35	1/2	2,968.39	1/2	3,150.44	1/2	3,332.48	1/2	3,458.24
5/8	1,879.91	5/8	2,061.96	5/8	2,244.00	5/8	2,426.05	5/8	2,608.09	5/8	2,790.14	5/8	2,972.18	5/8	3,154.23	5/8	3,336.27	5/8	3,460.27
3/4	1,883.71	3/4	2,065.75	3/4	2,247.80	3/4	2,429.84	3/4	2,611.89	3/4	2,793.93	3/4	2,975.98	3/4	3,158.02	3/4	3,340.07	3/4	3,462.31
7/8	1,887.50	7/8	2,069.54	7/8	2,251.59	7/8	2,433.63	7/8	2,615.68	7/8	2,797.72	7/8	2,979.77	7/8	3,161.81	7/8	3,343.86	7/8	3,464.34
4	1,891.29	10	2,073.34	4	2,255.38	10	2,437.43	4	2,619.47	10	2,801.52	4	2,983.56	10	3,165.61	4	3,347.65	10	3,466.38
1/8	1,895.08	1/8	2,077.13	1/8	2,259.17	1/8	2,441.22	1/8	2,623.26	1/8	2,805.31	1/8	2,987.35	1/8	3,169.40	1/8	3,351.44	1/8	3,468.41
1/4	1,898.88	1/4	2,080.92	1/4	2,262.97	1/4	2,445.01	1/4	2,627.06	1/4	2,809.10	1/4	2,991.15	1/4	3,173.19	1/4	3,355.24	1/4	3,470.44
3/8	1,902.67	3/8	2,084.71	3/8	2,266.76	3/8	2,448.80	3/8	2,630.85	3/8	2,812.89	3/8	2,994.94	3/8	3,176.98	3/8	3,359.03	3/8	3,472.48
1/2	1,906.46	1/2	2,088.51	1/2	2,270.55	1/2	2,452.60	1/2	2,634.64	1/2	2,816.69	1/2	2,998.73	1/2	3,180.78	1/2	3,362.82	1/2	3,474.51
5/8	1,910.26	5/8	2,092.30	5/8	2,274.34	5/8	2,456.39	5/8	2,638.43	5/8	2,820.48	5/8	3,002.52	5/8	3,184.57	5/8	3,366.61	5/8	3,476.55
3/4	1,914.05	3/4	2,096.09	3/4	2,278.14	3/4	2,460.18	3/4	2,642.23	3/4	2,824.27	3/4	3,006.32	3/4	3,188.36	3/4	3,370.41	3/4	3,478.58
7/8	1,917.84	7/8	2,099.89	7/8	2,281.93	7/8	2,463.97	7/8	2,646.02	7/8	2,828.06	7/8	3,010.11	7/8	3,192.15	7/8	3,374.20	7/8	3,480.61
5	1,921.63	11	2,103.68	5	2,285.72	11	2,467.77	5	2,649.81	11	2,831.86	5	3,013.90	11	3,195.95	5	3,377.99	11	3,482.65
1/8	1,925.43	1/8	2,107.47	1/8	2,289.52	1/8	2,471.56	1/8	2,653.60	1/8	2,835.65	1/8	3,017.69	1/8	3,199.74	1/8	3,380.90	1/8	3,484.68
1/4	1,929.22	1/4	2,111.26	1/4	2,293.31	1/4	2,475.35	1/4	2,657.40	1/4	2,839.44	1/4	3,021.49	1/4	3,203.53	1/4	3,383.82	1/4	3,486.72
3/8	1,933.01	3/8	2,115.06	3/8	2,297.10	3/8	2,479.15	3/8	2,661.19	3/8	2,843.23	3/8	3,025.28	3/8	3,207.32	3/8	3,386.73	3/8	3,488.75
1/2	1,936.80	1/2	2,118.85	1/2	2,300.89	1/2	2,482.94	1/2	2,664.98	1/2	2,847.03	1/2	3,029.07	1/2	3,211.12	1/2	3,389.64	1/2	3,490.78
5/8	1,940.60	5/8	2,122.64	5/8	2,304.69	5/8	2,486.73	5/8	2,668.78	5/8	2,850.82	5/8	3,032.86	5/8	3,214.91	5/8	3,392.55	5/8	3,492.82
3/4	1,944.39	3/4	2,126.43	3/4	2,308.48	3/4	2,490.52	3/4	2,672.57	3/4	2,854.61	3/4	3,036.66	3/4	3,218.70	3/4	3,395.46	3/4	3,494.85
7/8	1,948.18	7/8	2,130.23	7/8	2,312.27	7/8	2,494.32	7/8	2,676.36	7/8	2,858.41	7/8	3,040.45	7/8	3,222.49	7/8	3,398.38	7/8	3,496.89

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 27716"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	10 FT.	IN	11 FT.	IN	11 FT.	IN	12 FT.	IN	12 FT.	IN	13 FT.	IN	13 FT.	IN	14 FT.	IN	14 FT.
0	3,498.92	6	3,596.55	0	3,692.79	6	3,786.26	0	3,876.21	6	3,961.97	0	4,044.95	6		0		6	
1/8	3,500.95	1/8	3,598.58	1/8	3,694.76	1/8	3,788.17	1/8	3,878.02	1/8	3,963.72	1/8	4,046.72	1/8		1/8		1/8	
1/4	3,502.99	1/4	3,600.60	1/4	3,696.73	1/4	3,790.08	1/4	3,879.84	1/4	3,965.47	1/4	4,048.49	1/4		1/4		1/4	
3/8	3,505.02	3/8	3,602.63	3/8	3,698.70	3/8	3,792.00	3/8	3,881.65	3/8	3,967.23	3/8	4,050.26	3/8		3/8		3/8	
1/2	3,507.06	1/2	3,604.66	1/2	3,700.67	1/2	3,793.91	1/2	3,883.46	1/2	3,968.98	1/2	4,052.03	1/2		1/2		1/2	
5/8	3,509.09	5/8	3,606.69	5/8	3,702.64	5/8	3,795.82	5/8	3,885.27	5/8	3,970.74	5/8	4,053.80	5/8		5/8		5/8	
3/4	3,511.12	3/4	3,608.72	3/4	3,704.62	3/4	3,797.74	3/4	3,887.08	3/4	3,972.49	3/4	4,055.57	3/4		3/4		3/4	
7/8	3,513.16	7/8	3,610.75	7/8	3,706.59	7/8	3,799.65	7/8	3,888.89	7/8	3,974.24	7/8	4,057.34	7/8		7/8		7/8	
1	3,515.19	7	3,612.78	1	3,708.56	7	3,801.56	1	3,890.70	7	3,976.00	1	4,059.11	7		1		7	
1/8	3,517.23	1/8	3,614.80	1/8	3,710.52	1/8	3,803.46	1/8	3,892.50	1/8	3,977.74	1/8	4,061.03	1/8		1/8		1/8	
1/4	3,519.26	1/4	3,616.82	1/4	3,712.48	1/4	3,805.37	1/4	3,894.30	1/4	3,979.48	1/4	4,062.95	1/4		1/4		1/4	
3/8	3,521.29	3/8	3,618.84	3/8	3,714.44	3/8	3,807.27	3/8	3,896.11	3/8	3,981.23	3/8	4,064.87	3/8		3/8		3/8	
1/2	3,523.33	1/2	3,620.86	1/2	3,716.40	1/2	3,809.17	1/2	3,897.91	1/2	3,982.97	1/2	4,066.78	1/2		1/2		1/2	
5/8	3,525.36	5/8	3,622.88	5/8	3,718.36	5/8	3,811.08	5/8	3,899.71	5/8	3,984.72	5/8	4,068.70	5/8		5/8		5/8	
3/4	3,527.40	3/4	3,624.90	3/4	3,720.32	3/4	3,812.98	3/4	3,901.51	3/4	3,986.46	3/4	4,070.62	3/4		3/4		3/4	
7/8	3,529.43	7/8	3,626.92	7/8	3,722.28	7/8	3,814.88	7/8	3,903.31	7/8	3,988.20	7/8	4,072.54	7/8		7/8		7/8	
2	3,531.46	8	3,628.94	2	3,724.24	8	3,816.79	2	3,905.11	8	3,989.95	2	4,074.45	8		2		8	
1/8	3,533.50	1/8	3,630.95	1/8	3,726.20	1/8	3,818.68	1/8	3,906.90	1/8	3,991.68	1/8	4,076.44	1/8		1/8		1/8	
1/4	3,535.53	1/4	3,632.96	1/4	3,728.15	1/4	3,820.57	1/4	3,908.69	1/4	3,993.41	1/4	4,078.44	1/4		1/4		1/4	
3/8	3,537.57	3/8	3,634.97	3/8	3,730.10	3/8	3,822.47	3/8	3,910.48	3/8	3,995.15	3/8	4,080.43	3/8		3/8		3/8	
1/2	3,539.60	1/2	3,636.98	1/2	3,732.05	1/2	3,824.36	1/2	3,912.27	1/2	3,996.88	1/2	4,082.42	1/2		1/2		1/2	
5/8	3,541.63	5/8	3,638.99	5/8	3,734.01	5/8	3,826.25	5/8	3,914.07	5/8	3,998.62	5/8	4,084.41	5/8		5/8		5/8	
3/4	3,543.67	3/4	3,641.00	3/4	3,735.96	3/4	3,828.15	3/4	3,915.86	3/4	4,000.35	3/4	4,086.40	3/4		3/4		3/4	
7/8	3,545.70	7/8	3,643.01	7/8	3,737.91	7/8	3,830.04	7/8	3,917.65	7/8	4,002.08	7/8	4,088.39	7/8		7/8		7/8	
3	3,547.74	9	3,645.02	3	3,739.86	9	3,831.93	3	3,919.44	9	4,003.82	3	4,090.39	9		3		9	
1/8	3,549.77	1/8	3,647.02	1/8	3,741.81	1/8	3,833.80	1/8	3,921.22	1/8	4,005.54	1/8	4,092.34	1/8		1/8		1/8	
1/4	3,551.80	1/4	3,649.02	1/4	3,743.75	1/4	3,835.68	1/4	3,923.00	1/4	4,007.26	1/4	4,094.29	1/4		1/4		1/4	
3/8	3,553.84	3/8	3,651.02	3/8	3,745.69	3/8	3,837.55	3/8	3,924.78	3/8	4,008.99	3/8	4,096.24	3/8		3/8		3/8	
1/2	3,555.87	1/2	3,653.02	1/2	3,747.64	1/2	3,839.42	1/2	3,926.56	1/2	4,010.71	1/2	4,098.20	1/2		1/2		1/2	
5/8	3,557.91	5/8	3,655.02	5/8	3,749.58	5/8	3,841.30	5/8	3,928.35	5/8	4,012.44	5/8	4,100.15	5/8		5/8		5/8	
3/4	3,559.94	3/4	3,657.02	3/4	3,751.52	3/4	3,843.17	3/4	3,930.13	3/4	4,014.16	3/4	4,102.10	3/4		3/4		3/4	
7/8	3,561.97	7/8	3,659.03	7/8	3,753.47	7/8	3,845.04	7/8	3,931.91	7/8	4,015.88	7/8	4,104.05	7/8		7/8		7/8	
4	3,564.01	10	3,661.03	4	3,755.41	10	3,846.91	4	3,933.69	10	4,017.61	4	4,106.00	10		4		10	
1/8	3,566.04	1/8	3,663.02	1/8	3,757.34	1/8	3,848.75	1/8	3,935.46	1/8	4,019.32	1/8	4,107.64	1/8		1/8		1/8	
1/4	3,568.08	1/4	3,665.01	1/4	3,759.27	1/4	3,850.60	1/4	3,937.23	1/4	4,021.03	1/4	4,109.28	1/4		1/4		1/4	
3/8	3,570.11	3/8	3,667.00	3/8	3,761.21	3/8	3,852.44	3/8	3,939.00	3/8	4,022.75	3/8	4,110.91	3/8		3/8		3/8	
1/2	3,572.14	1/2	3,668.99	1/2	3,763.14	1/2	3,854.28	1/2	3,940.78	1/2	4,024.46	1/2	4,112.55	1/2		1/2		1/2	
5/8	3,574.18	5/8	3,670.98	5/8	3,765.07	5/8	3,856.12	5/8	3,942.55	5/8	4,026.18	5/8	4,114.18	5/8		5/8		5/8	
3/4	3,576.21	3/4	3,672.97	3/4	3,767.01	3/4	3,857.96	3/4	3,944.32	3/4	4,027.89	3/4	4,115.82	3/4		3/4		3/4	
7/8	3,578.25	7/8	3,674.96	7/8	3,768.94	7/8	3,859.80	7/8	3,946.09	7/8	4,029.60	7/8	4,117.46	7/8		7/8		7/8	
5	3,580.28	11	3,676.95	5	3,770.87	11	3,861.65	5	3,947.86	11	4,031.32	5	4,119.09	11		5		11	
1/8	3,582.31	1/8	3,678.93	1/8	3,772.80	1/8	3,863.47	1/8	3,949.63	1/8	4,033.02	1/8		1/8		1/8		1/8	
1/4	3,584.35	1/4	3,680.91	1/4	3,774.72	1/4	3,865.29	1/4	3,951.39	1/4	4,034.72	1/4		1/4		1/4		1/4	
3/8	3,586.38	3/8	3,682.89	3/8	3,776.64	3/8	3,867.11	3/8	3,953.15	3/8	4,036.43	3/8		3/8		3/8		3/8	
1/2	3,588.41	1/2	3,684.87	1/2	3,778.56	1/2	3,868.93	1/2	3,954.91	1/2	4,038.13	1/2		1/2		1/2		1/2	
5/8	3,590.45	5/8	3,686.85	5/8	3,780.49	5/8	3,870.75	5/8	3,956.68	5/8	4,039.84	5/8		5/8		5/8		5/8	
3/4	3,592.48	3/4	3,688.83	3/4	3,782.41	3/4	3,872.57	3/4	3,958.44	3/4	4,041.54	3/4		3/4		3/4		3/4	
7/8	3,594.51	7/8	3,690.81	7/8	3,784.33	7/8	3,874.39	7/8	3,960.20	7/8	4,043.24	7/8		7/8		7/8		7/8	

STRAPPED: 11/25/2003 PMA  
RECOMPUTED: 11/05/2019 SW  
REPRINTED: 11/05/2019 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 11/2019

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588  
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# BARGE "KIRBY 27716"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 6'-05 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	0	2,417	0	4,833	0	7,250	0	9,667	0	12,084	0		0		0		0	
1/4	50	1/4	2,467	1/4	4,884	1/4	7,301	1/4	9,717	1/4	12,134	1/4		1/4		1/4		1/4	
1/2	101	1/2	2,517	1/2	4,934	1/2	7,351	1/2	9,768	1/2	12,184	1/2		1/2		1/2		1/2	
3/4	151	3/4	2,568	3/4	4,985	3/4	7,401	3/4	9,818	3/4	12,235	3/4		3/4		3/4		3/4	
1	201	1	2,618	1	5,035	1	7,452	1	9,868	1	12,285	1		1		1		1	
1/4	252	1/4	2,668	1/4	5,085	1/4	7,502	1/4	9,919	1/4	12,335	1/4		1/4		1/4		1/4	
1/2	302	1/2	2,719	1/2	5,136	1/2	7,552	1/2	9,969	1/2	12,386	1/2		1/2		1/2		1/2	
3/4	352	3/4	2,769	3/4	5,186	3/4	7,603	3/4	10,019	3/4	12,436	3/4		3/4		3/4		3/4	
2	403	2	2,820	2	5,236	2	7,653	2	10,070	2	12,487	2		2		2		2	
1/4	453	1/4	2,870	1/4	5,287	1/4	7,703	1/4	10,120	1/4	12,537	1/4		1/4		1/4		1/4	
1/2	503	1/2	2,920	1/2	5,337	1/2	7,754	1/2	10,170	1/2	12,587	1/2		1/2		1/2		1/2	
3/4	554	3/4	2,971	3/4	5,387	3/4	7,804	3/4	10,221	3/4	12,638	3/4		3/4		3/4		3/4	
3	604	3	3,021	3	5,438	3	7,854	3	10,271	3	12,688	3		3		3		3	
1/4	655	1/4	3,071	1/4	5,488	1/4	7,905	1/4	10,322	1/4	12,738	1/4		1/4		1/4		1/4	
1/2	705	1/2	3,122	1/2	5,538	1/2	7,955	1/2	10,372	1/2	12,789	1/2		1/2		1/2		1/2	
3/4	755	3/4	3,172	3/4	5,589	3/4	8,005	3/4	10,422	3/4	12,839	3/4		3/4		3/4		3/4	
4	806	4	3,222	4	5,639	4	8,056	4	10,473	4	12,889	4		4		4		4	
1/4	856	1/4	3,273	1/4	5,689	1/4	8,106	1/4	10,523	1/4	12,940	1/4		1/4		1/4		1/4	
1/2	906	1/2	3,323	1/2	5,740	1/2	8,157	1/2	10,573	1/2	12,990	1/2		1/2		1/2		1/2	
3/4	957	3/4	3,373	3/4	5,790	3/4	8,207	3/4	10,624	3/4	13,040	3/4		3/4		3/4		3/4	
5	1,007	5	3,424	5	5,840	5	8,257	5	10,674	5	13,091	5		5		5		5	
1/4	1,057	1/4	3,474	1/4	5,891	1/4	8,308	1/4	10,724	1/4	13,141	1/4		1/4		1/4		1/4	
1/2	1,108	1/2	3,524	1/2	5,941	1/2	8,358	1/2	10,775	1/2	13,191	1/2		1/2		1/2		1/2	
3/4	1,158	3/4	3,575	3/4	5,992	3/4	8,408	3/4	10,825	3/4	13,242	3/4		3/4		3/4		3/4	
6	1,208	6	3,625	6	6,042	6	8,459	6	10,875	6	13,292	6		6		6		6	
1/4	1,259	1/4	3,675	1/4	6,092	1/4	8,509	1/4	10,926	1/4	13,342	1/4		1/4		1/4		1/4	
1/2	1,309	1/2	3,726	1/2	6,143	1/2	8,559	1/2	10,976	1/2	13,393	1/2		1/2		1/2		1/2	
3/4	1,359	3/4	3,776	3/4	6,193	3/4	8,610	3/4	11,026	3/4	13,443	3/4		3/4		3/4		3/4	
7	1,410	7	3,827	7	6,243	7	8,660	7	11,077	7	13,493	7		7		7		7	
1/4	1,460	1/4	3,877	1/4	6,294	1/4	8,710	1/4	11,127	1/4	13,544	1/4		1/4		1/4		1/4	
1/2	1,510	1/2	3,927	1/2	6,344	1/2	8,761	1/2	11,177	1/2	13,594	1/2		1/2		1/2		1/2	
3/4	1,561	3/4	3,978	3/4	6,394	3/4	8,811	3/4	11,228	3/4	13,645	3/4		3/4		3/4		3/4	
8	1,611	8	4,028	8	6,445	8	8,861	8	11,278	8	13,695	8		8		8		8	
1/4	1,662	1/4	4,078	1/4	6,495	1/4	8,912	1/4	11,328	1/4	13,745	1/4		1/4		1/4		1/4	
1/2	1,712	1/2	4,129	1/2	6,545	1/2	8,962	1/2	11,379	1/2	13,796	1/2		1/2		1/2		1/2	
3/4	1,762	3/4	4,179	3/4	6,596	3/4	9,012	3/4	11,429	3/4	13,846	3/4		3/4		3/4		3/4	
9	1,813	9	4,229	9	6,646	9	9,063	9	11,480	9	13,896	9		9		9		9	
1/4	1,863	1/4	4,280	1/4	6,696	1/4	9,113	1/4	11,530	1/4	13,947	1/4		1/4		1/4		1/4	
1/2	1,913	1/2	4,330	1/2	6,747	1/2	9,163	1/2	11,580	1/2	13,997	1/2		1/2		1/2		1/2	
3/4	1,964	3/4	4,380	3/4	6,797	3/4	9,214	3/4	11,631	3/4	14,047	3/4		3/4		3/4		3/4	
10	2,014	10	4,431	10	6,847	10	9,264	10	11,681	10	14,098	10		10		10		10	
1/4	2,064	1/4	4,481	1/4	6,898	1/4	9,315	1/4	11,731	1/4	14,148	1/4		1/4		1/4		1/4	
1/2	2,115	1/2	4,531	1/2	6,948	1/2	9,365	1/2	11,782	1/2	14,198	1/2		1/2		1/2		1/2	
3/4	2,165	3/4	4,582	3/4	6,998	3/4	9,415	3/4	11,832	3/4		3/4		3/4		3/4		3/4	
11	2,215	11	4,632	11	7,049	11	9,466	11	11,882	11		11		11		11		11	
1/4	2,266	1/4	4,682	1/4	7,099	1/4	9,516	1/4	11,933	1/4		1/4		1/4		1/4		1/4	
1/2	2,316	1/2	4,733	1/2	7,150	1/2	9,566	1/2	11,983	1/2		1/2		1/2		1/2		1/2	
3/4	2,366	3/4	4,783	3/4	7,200	3/4	9,617	3/4	12,033	3/4		3/4		3/4		3/4		3/4	

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

STRAPPED: 01/13/2023  
CALCULATED: 01/13/2023 CL  
PRINTED: 01/13/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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