



BARGE "KIRBY 29070"

ULLAGE TRIM TABLE
FORMERLY "HBC 303"

	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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/4	- 02-1/4	02-3/4	- 02-3/4	03-3/8	- 03-3/8

(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 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-09"

June 5, 2023

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29070"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-03"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,133.19	0	4,798.69	0	4,444.73	0	4,081.94	0	3,719.15	0	3,356.35	0	2,993.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,126.43	1/4	4,791.51	1/4	4,437.17	1/4	4,074.38	1/4	3,711.59	1/4	3,348.79	1/4	2,986.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,119.68	1/2	4,784.32	1/2	4,429.62	1/2	4,066.82	1/2	3,704.03	1/2	3,341.24	1/2	2,978.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,112.92	3/4	4,777.13	3/4	4,422.06	3/4	4,059.26	3/4	3,696.47	3/4	3,333.68	3/4	2,970.88
1		1		1		1	5,106.16	1	4,769.95	1	4,414.50	1	4,051.71	1	3,688.91	1	3,326.12	1	2,963.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,099.37	1/4	4,762.73	1/4	4,406.94	1/4	4,044.15	1/4	3,681.35	1/4	3,318.56	1/4	2,955.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,092.59	1/2	4,755.52	1/2	4,399.38	1/2	4,036.59	1/2	3,673.80	1/2	3,311.00	1/2	2,948.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,085.80	3/4	4,748.30	3/4	4,391.83	3/4	4,029.03	3/4	3,666.24	3/4	3,303.44	3/4	2,940.65
2		2		2		2	5,079.01	2	4,741.09	2	4,384.27	2	4,021.47	2	3,658.68	2	3,295.89	2	2,933.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,072.19	1/4	4,733.81	1/4	4,376.71	1/4	4,013.92	1/4	3,651.12	1/4	3,288.33	1/4	2,925.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,065.38	1/2	4,726.54	1/2	4,369.15	1/2	4,006.36	1/2	3,643.56	1/2	3,280.77	1/2	2,917.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,058.56	3/4	4,719.26	3/4	4,361.59	3/4	3,998.80	3/4	3,636.01	3/4	3,273.21	3/4	2,910.42
3		3		3		3	5,051.74	3	4,711.99	3	4,354.03	3	3,991.24	3	3,628.45	3	3,265.65	3	2,902.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,044.89	1/4	4,704.68	1/4	4,346.48	1/4	3,983.68	1/4	3,620.89	1/4	3,258.10	1/4	2,895.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,038.05	1/2	4,697.38	1/2	4,338.92	1/2	3,976.12	1/2	3,613.33	1/2	3,250.54	1/2	2,887.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,031.20	3/4	4,690.08	3/4	4,331.36	3/4	3,968.57	3/4	3,605.77	3/4	3,242.98	3/4	2,880.19
4		4		4		4	5,024.35	4	4,682.77	4	4,323.80	4	3,961.01	4	3,598.21	4	3,235.42	4	2,872.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,017.40	1/4	4,675.44	1/4	4,316.24	1/4	3,953.45	1/4	3,590.66	1/4	3,227.86	1/4	2,865.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,010.45	1/2	4,668.10	1/2	4,308.69	1/2	3,945.89	1/2	3,583.10	1/2	3,220.30	1/2	2,857.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,003.50	3/4	4,660.77	3/4	4,301.13	3/4	3,938.33	3/4	3,575.54	3/4	3,212.75	3/4	2,849.95
5		5		5		5	4,996.55	5	4,653.44	5	4,293.57	5	3,930.78	5	3,567.98	5	3,205.19	5	2,842.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,989.57	1/4	4,646.07	1/4	4,286.01	1/4	3,923.22	1/4	3,560.42	1/4	3,197.63	1/4	2,834.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,982.60	1/2	4,638.71	1/2	4,278.45	1/2	3,915.66	1/2	3,552.87	1/2	3,190.07	1/2	2,827.28
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,975.62	3/4	4,631.34	3/4	4,270.89	3/4	3,908.10	3/4	3,545.31	3/4	3,182.51	3/4	2,819.72
6		6		6		6	4,968.64	6	4,623.98	6	4,263.34	6	3,900.54	6	3,537.75	6	3,174.96	6	2,812.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,961.63	1/4	4,616.58	1/4	4,255.78	1/4	3,892.98	1/4	3,530.19	1/4	3,167.40	1/4	2,804.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,954.63	1/2	4,609.19	1/2	4,248.22	1/2	3,885.43	1/2	3,522.63	1/2	3,159.84	1/2	2,797.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,947.62	3/4	4,601.80	3/4	4,240.66	3/4	3,877.87	3/4	3,515.07	3/4	3,152.28	3/4	2,789.49
7		7		7	5,250.48	7	4,940.61	7	4,594.40	7	4,233.10	7	3,870.31	7	3,507.52	7	3,144.72	7	2,781.93
1/4	1/4	1/4	1/4	1/4	5,246.14	1/4	4,933.58	1/4	4,586.98	1/4	4,225.54	1/4	3,862.75	1/4	3,499.96	1/4	3,137.16	1/4	2,774.37
1/2	1/2	1/2	1/2	1/2	5,241.81	1/2	4,926.54	1/2	4,579.56	1/2	4,217.99	1/2	3,855.19	1/2	3,492.40	1/2	3,129.61	1/2	2,766.81
3/4	3/4	3/4	3/4	3/4	5,237.47	3/4	4,919.50	3/4	4,572.13	3/4	4,210.43	3/4	3,847.63	3/4	3,484.84	3/4	3,122.05	3/4	2,759.25
8		8		8	5,233.13	8	4,912.47	8	4,564.71	8	4,202.87	8	3,840.08	8	3,477.28	8	3,114.49	8	2,751.70
1/4	1/4	1/4	1/4	1/4	5,227.56	1/4	4,905.40	1/4	4,557.25	1/4	4,195.31	1/4	3,832.52	1/4	3,469.72	1/4	3,106.93	1/4	2,744.14
1/2	1/2	1/2	1/2	1/2	5,221.99	1/2	4,898.33	1/2	4,549.80	1/2	4,187.75	1/2	3,824.96	1/2	3,462.17	1/2	3,099.37	1/2	2,736.58
3/4	3/4	3/4	3/4	3/4	5,216.42	3/4	4,891.27	3/4	4,542.35	3/4	4,180.20	3/4	3,817.40	3/4	3,454.61	3/4	3,091.81	3/4	2,729.02
9		9		9	5,210.85	9	4,884.20	9	4,534.89	9	4,172.64	9	3,809.84	9	3,447.05	9	3,084.26	9	2,721.46
1/4	1/4	1/4	1/4	1/4	5,204.82	1/4	4,877.11	1/4	4,527.41	1/4	4,165.08	1/4	3,802.29	1/4	3,439.49	1/4	3,076.70	1/4	2,713.90
1/2	1/2	1/2	1/2	1/2	5,198.78	1/2	4,870.01	1/2	4,519.93	1/2	4,157.52	1/2	3,794.73	1/2	3,431.93	1/2	3,069.14	1/2	2,706.35
3/4	3/4	3/4	3/4	3/4	5,192.75	3/4	4,862.91	3/4	4,512.44	3/4	4,149.96	3/4	3,787.17	3/4	3,424.38	3/4	3,061.58	3/4	2,698.79
10		10		10	5,186.71	10	4,855.82	10	4,504.96	10	4,142.40	10	3,779.61	10	3,416.82	10	3,054.02	10	2,691.23
1/4	1/4	1/4	1/4	1/4	5,180.05	1/4	4,848.69	1/4	4,497.45	1/4	4,134.85	1/4	3,772.05	1/4	3,409.26	1/4	3,046.47	1/4	2,683.67
1/2	1/2	1/2	1/2	1/2	5,173.38	1/2	4,841.57	1/2	4,489.93	1/2	4,127.29	1/2	3,764.49	1/2	3,401.70	1/2	3,038.91	1/2	2,676.11
3/4	3/4	3/4	3/4	3/4	5,166.72	3/4	4,834.44	3/4	4,482.42	3/4	4,119.73	3/4	3,756.94	3/4	3,394.14	3/4	3,031.35	3/4	2,668.56
11		11		11	5,160.06	11	4,827.31	11	4,474.91	11	4,112.17	11	3,749.38	11	3,386.58	11	3,023.79	11	2,661.00
1/4	1/4	1/4	1/4	1/4	5,153.34	1/4	4,820.16	1/4	4,467.36	1/4	4,104.61	1/4	3,741.82	1/4	3,379.03	1/4	3,016.23	1/4	2,653.44
1/2	1/2	1/2	1/2	1/2	5,146.62	1/2	4,813.00	1/2	4,459.82	1/2	4,097.06	1/2	3,734.26	1/2	3,371.47	1/2	3,008.67	1/2	2,645.88
3/4	3/4	3/4	3/4	3/4	5,139.91	3/4	4,805.85	3/4	4,452.28	3/4	4,089.50	3/4	3,726.70	3/4	3,363.91	3/4	3,001.12	3/4	2,638.32

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 ULLAGE GAUGES TAKEN WITH HERMETIC CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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 29070"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-03"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,630.76	0	2,267.84	0	1,904.92	0	1,542.00	0	1,179.17	0	816.64	0	453.73	0	91.01	0		0	
1/4	2,623.20	1/4	2,260.28	1/4	1,897.36	1/4	1,534.43	1/4	1,171.62	1/4	809.08	1/4	446.17	1/4	84.08	1/4		1/4	
1/2	2,615.64	1/2	2,252.72	1/2	1,889.80	1/2	1,526.87	1/2	1,164.07	1/2	801.52	1/2	438.61	1/2	77.15	1/2		1/2	
3/4	2,608.08	3/4	2,245.16	3/4	1,882.24	3/4	1,519.31	3/4	1,156.52	3/4	793.96	3/4	431.05	3/4	70.22	3/4		3/4	
1	2,600.52	1	2,237.60	1	1,874.67	1	1,511.75	1	1,148.97	1	786.40	1	423.49	1	63.30	1		1	
1/4	2,592.96	1/4	2,230.04	1/4	1,867.11	1/4	1,504.19	1/4	1,141.42	1/4	778.83	1/4	415.93	1/4	57.63	1/4		1/4	
1/2	2,585.40	1/2	2,222.48	1/2	1,859.55	1/2	1,496.63	1/2	1,133.88	1/2	771.27	1/2	408.37	1/2	51.96	1/2		1/2	
3/4	2,577.84	3/4	2,214.92	3/4	1,851.99	3/4	1,489.07	3/4	1,126.33	3/4	763.71	3/4	400.80	3/4	46.29	3/4		3/4	
2	2,570.28	2	2,207.35	2	1,844.43	2	1,481.51	2	1,118.78	2	756.15	2	393.24	2	40.62	2		2	
1/4	2,562.72	1/4	2,199.79	1/4	1,836.87	1/4	1,473.95	1/4	1,111.23	1/4	748.59	1/4	385.68	1/4	36.21	1/4		1/4	
1/2	2,555.16	1/2	2,192.23	1/2	1,829.31	1/2	1,466.39	1/2	1,103.68	1/2	741.03	1/2	378.12	1/2	31.80	1/2		1/2	
3/4	2,547.59	3/4	2,184.67	3/4	1,821.75	3/4	1,458.83	3/4	1,096.13	3/4	733.47	3/4	370.56	3/4	27.39	3/4		3/4	
3	2,540.03	3	2,177.11	3	1,814.19	3	1,451.26	3	1,088.58	3	725.91	3	363.00	3	22.98	3		3	
1/4	2,532.47	1/4	2,169.55	1/4	1,806.63	1/4	1,443.70	1/4	1,081.03	1/4	718.35	1/4	355.44	1/4		1/4		1/4	
1/2	2,524.91	1/2	2,161.99	1/2	1,799.07	1/2	1,436.14	1/2	1,073.49	1/2	710.79	1/2	347.88	1/2		1/2		1/2	
3/4	2,517.35	3/4	2,154.43	3/4	1,791.50	3/4	1,428.58	3/4	1,065.94	3/4	703.23	3/4	340.32	3/4		3/4		3/4	
4	2,509.79	4	2,146.87	4	1,783.94	4	1,421.02	4	1,058.39	4	695.67	4	332.76	4		4		4	
1/4	2,502.23	1/4	2,139.31	1/4	1,776.38	1/4	1,413.46	1/4	1,050.84	1/4	688.11	1/4	325.20	1/4		1/4		1/4	
1/2	2,494.67	1/2	2,131.75	1/2	1,768.82	1/2	1,405.90	1/2	1,043.29	1/2	680.55	1/2	317.64	1/2		1/2		1/2	
3/4	2,487.11	3/4	2,124.18	3/4	1,761.26	3/4	1,398.34	3/4	1,035.74	3/4	672.99	3/4	310.08	3/4		3/4		3/4	
5	2,479.55	5	2,116.62	5	1,753.70	5	1,390.78	5	1,028.19	5	665.43	5	302.52	5		5		5	
1/4	2,471.99	1/4	2,109.06	1/4	1,746.14	1/4	1,383.22	1/4	1,020.64	1/4	657.87	1/4	294.96	1/4		1/4		1/4	
1/2	2,464.43	1/2	2,101.50	1/2	1,738.58	1/2	1,375.66	1/2	1,013.10	1/2	650.30	1/2	287.40	1/2		1/2		1/2	
3/4	2,456.86	3/4	2,093.94	3/4	1,731.02	3/4	1,368.09	3/4	1,005.55	3/4	642.74	3/4	279.84	3/4		3/4		3/4	
6	2,449.30	6	2,086.38	6	1,723.46	6	1,360.53	6	998.00	6	635.18	6	272.27	6		6		6	
1/4	2,441.74	1/4	2,078.82	1/4	1,715.90	1/4	1,352.97	1/4	990.45	1/4	627.62	1/4	264.71	1/4		1/4		1/4	
1/2	2,434.18	1/2	2,071.26	1/2	1,708.34	1/2	1,345.41	1/2	982.90	1/2	620.06	1/2	257.15	1/2		1/2		1/2	
3/4	2,426.62	3/4	2,063.70	3/4	1,700.77	3/4	1,337.85	3/4	975.35	3/4	612.50	3/4	249.59	3/4		3/4		3/4	
7	2,419.06	7	2,056.14	7	1,693.21	7	1,330.29	7	967.80	7	604.94	7	242.03	7		7		7	
1/4	2,411.50	1/4	2,048.58	1/4	1,685.65	1/4	1,322.73	1/4	960.25	1/4	597.38	1/4	234.47	1/4		1/4		1/4	
1/2	2,403.94	1/2	2,041.01	1/2	1,678.09	1/2	1,315.17	1/2	952.70	1/2	589.82	1/2	226.91	1/2		1/2		1/2	
3/4	2,396.38	3/4	2,033.45	3/4	1,670.53	3/4	1,307.61	3/4	945.16	3/4	582.26	3/4	219.35	3/4		3/4		3/4	
8	2,388.82	8	2,025.89	8	1,662.97	8	1,300.05	8	937.61	8	574.70	8	211.79	8		8		8	
1/4	2,381.26	1/4	2,018.33	1/4	1,655.41	1/4	1,292.49	1/4	930.05	1/4	567.14	1/4	204.23	1/4		1/4		1/4	
1/2	2,373.69	1/2	2,010.77	1/2	1,647.85	1/2	1,284.92	1/2	922.49	1/2	559.58	1/2	196.67	1/2		1/2		1/2	
3/4	2,366.13	3/4	2,003.21	3/4	1,640.29	3/4	1,277.36	3/4	914.93	3/4	552.02	3/4	189.11	3/4		3/4		3/4	
9	2,358.57	9	1,995.65	9	1,632.73	9	1,269.80	9	907.36	9	544.46	9	181.55	9		9		9	
1/4	2,351.01	1/4	1,988.09	1/4	1,625.17	1/4	1,262.24	1/4	899.80	1/4	536.90	1/4	173.99	1/4		1/4		1/4	
1/2	2,343.45	1/2	1,980.53	1/2	1,617.60	1/2	1,254.68	1/2	892.24	1/2	529.33	1/2	166.43	1/2		1/2		1/2	
3/4	2,335.89	3/4	1,972.97	3/4	1,610.04	3/4	1,247.12	3/4	884.68	3/4	521.77	3/4	158.87	3/4		3/4		3/4	
10	2,328.33	10	1,965.41	10	1,602.48	10	1,239.56	10	877.12	10	514.21	10	151.31	10		10		10	
1/4	2,320.77	1/4	1,957.84	1/4	1,594.92	1/4	1,232.01	1/4	869.56	1/4	506.65	1/4	143.76	1/4		1/4		1/4	
1/2	2,313.21	1/2	1,950.28	1/2	1,587.36	1/2	1,224.46	1/2	862.00	1/2	499.09	1/2	136.21	1/2		1/2		1/2	
3/4	2,305.65	3/4	1,942.72	3/4	1,579.80	3/4	1,216.91	3/4	854.44	3/4	491.53	3/4	128.66	3/4		3/4		3/4	
11	2,298.09	11	1,935.16	11	1,572.24	11	1,209.36	11	846.88	11	483.97	11	121.11	11		11		11	
1/4	2,290.52	1/4	1,927.60	1/4	1,564.68	1/4	1,201.82	1/4	839.32	1/4	476.41	1/4	113.58	1/4		1/4		1/4	
1/2	2,282.96	1/2	1,920.04	1/2	1,557.12	1/2	1,194.27	1/2	831.76	1/2	468.85	1/2	106.06	1/2		1/2		1/2	
3/4	2,275.40	3/4	1,912.48	3/4	1,549.56	3/4	1,186.72	3/4	824.20	3/4	461.29	3/4	98.53	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2013 SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 29070"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-03 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,138.01	0	4,803.95	0	4,450.38	0	4,087.60	0	3,724.81	0	3,362.01	0	2,999.22
1/4		1/4		1/4		1/4	5,131.29	1/4	4,796.80	1/4	4,442.84	1/4	4,080.04	1/4	3,717.25	1/4	3,354.46	1/4	2,991.66
1/2		1/2		1/2		1/2	5,124.53	1/2	4,789.61	1/2	4,435.28	1/2	4,072.49	1/2	3,709.69	1/2	3,346.90	1/2	2,984.10
3/4		3/4		3/4		3/4	5,117.78	3/4	4,782.42	3/4	4,427.72	3/4	4,064.93	3/4	3,702.13	3/4	3,339.34	3/4	2,976.55
1		1		1		1	5,111.02	1	4,775.24	1	4,420.16	1	4,057.37	1	3,694.58	1	3,331.78	1	2,968.99
1/4		1/4		1/4		1/4	5,104.26	1/4	4,768.05	1/4	4,412.60	1/4	4,049.81	1/4	3,687.02	1/4	3,324.22	1/4	2,961.43
1/2		1/2		1/2		1/2	5,097.48	1/2	4,760.84	1/2	4,405.05	1/2	4,042.25	1/2	3,679.46	1/2	3,316.67	1/2	2,953.87
3/4		3/4		3/4		3/4	5,090.69	3/4	4,753.62	3/4	4,397.49	3/4	4,034.69	3/4	3,671.90	3/4	3,309.11	3/4	2,946.31
2		2		2		2	5,083.90	2	4,746.41	2	4,389.93	2	4,027.14	2	3,664.34	2	3,301.55	2	2,938.76
1/4		1/4		1/4		1/4	5,077.11	1/4	4,739.19	1/4	4,382.37	1/4	4,019.58	1/4	3,656.78	1/4	3,293.99	1/4	2,931.20
1/2		1/2		1/2		1/2	5,070.30	1/2	4,731.92	1/2	4,374.81	1/2	4,012.02	1/2	3,649.23	1/2	3,286.43	1/2	2,923.64
3/4		3/4		3/4		3/4	5,063.48	3/4	4,724.64	3/4	4,367.26	3/4	4,004.46	3/4	3,641.67	3/4	3,278.87	3/4	2,916.08
3		3		3		3	5,056.66	3	4,717.37	3	4,359.70	3	3,996.90	3	3,634.11	3	3,271.32	3	2,908.52
1/4		1/4		1/4		1/4	5,049.84	1/4	4,710.09	1/4	4,352.14	1/4	3,989.35	1/4	3,626.55	1/4	3,263.76	1/4	2,900.96
1/2		1/2		1/2		1/2	5,043.00	1/2	4,702.79	1/2	4,344.58	1/2	3,981.79	1/2	3,618.99	1/2	3,256.20	1/2	2,893.41
3/4		3/4		3/4		3/4	5,036.15	3/4	4,695.48	3/4	4,337.02	3/4	3,974.23	3/4	3,611.44	3/4	3,248.64	3/4	2,885.85
4		4		4		4	5,029.30	4	4,688.18	4	4,329.46	4	3,966.67	4	3,603.88	4	3,241.08	4	2,878.29
1/4		1/4		1/4		1/4	5,022.45	1/4	4,680.88	1/4	4,321.91	1/4	3,959.11	1/4	3,596.32	1/4	3,233.53	1/4	2,870.73
1/2		1/2		1/2		1/2	5,015.50	1/2	4,673.54	1/2	4,314.35	1/2	3,951.55	1/2	3,588.76	1/2	3,225.97	1/2	2,863.17
3/4		3/4		3/4		3/4	5,008.56	3/4	4,666.21	3/4	4,306.79	3/4	3,944.00	3/4	3,581.20	3/4	3,218.41	3/4	2,855.62
5		5		5		5	5,001.61	5	4,658.87	5	4,299.23	5	3,936.44	5	3,573.64	5	3,210.85	5	2,848.06
1/4		1/4		1/4		1/4	4,994.66	1/4	4,651.54	1/4	4,291.67	1/4	3,928.88	1/4	3,566.09	1/4	3,203.29	1/4	2,840.50
1/2		1/2		1/2		1/2	4,987.68	1/2	4,644.18	1/2	4,284.11	1/2	3,921.32	1/2	3,558.53	1/2	3,195.73	1/2	2,832.94
3/4		3/4		3/4		3/4	4,980.70	3/4	4,636.81	3/4	4,276.56	3/4	3,913.76	3/4	3,550.97	3/4	3,188.18	3/4	2,825.38
6		6		6		6	4,973.72	6	4,629.45	6	4,269.00	6	3,906.20	6	3,543.41	6	3,180.62	6	2,817.82
1/4		1/4		1/4		1/4	4,966.74	1/4	4,622.08	1/4	4,261.44	1/4	3,898.65	1/4	3,535.85	1/4	3,173.06	1/4	2,810.27
1/2		1/2		1/2		1/2	4,959.73	1/2	4,614.69	1/2	4,253.88	1/2	3,891.09	1/2	3,528.29	1/2	3,165.50	1/2	2,802.71
3/4		3/4		3/4		3/4	4,952.73	3/4	4,607.30	3/4	4,246.32	3/4	3,883.53	3/4	3,520.74	3/4	3,157.94	3/4	2,795.15
7		7		7		7	4,945.72	7	4,599.90	7	4,238.77	7	3,875.97	7	3,513.18	7	3,150.38	7	2,787.59
1/4		1/4		1/4	5,248.58	1/4	4,938.72	1/4	4,592.51	1/4	4,231.21	1/4	3,868.41	1/4	3,505.62	1/4	3,142.83	1/4	2,780.03
1/2		1/2		1/2	5,244.24	1/2	4,931.68	1/2	4,585.08	1/2	4,223.65	1/2	3,860.86	1/2	3,498.06	1/2	3,135.27	1/2	2,772.47
3/4		3/4		3/4	5,239.91	3/4	4,924.64	3/4	4,577.66	3/4	4,216.09	3/4	3,853.30	3/4	3,490.50	3/4	3,127.71	3/4	2,764.92
8		8		8	5,235.57	8	4,917.61	8	4,570.24	8	4,208.53	8	3,845.74	8	3,482.95	8	3,120.15	8	2,757.36
1/4		1/4		1/4	5,231.23	1/4	4,910.57	1/4	4,562.81	1/4	4,200.97	1/4	3,838.18	1/4	3,475.39	1/4	3,112.59	1/4	2,749.80
1/2		1/2		1/2	5,225.66	1/2	4,903.50	1/2	4,555.36	1/2	4,193.42	1/2	3,830.62	1/2	3,467.83	1/2	3,105.04	1/2	2,742.24
3/4		3/4		3/4	5,220.09	3/4	4,896.44	3/4	4,547.91	3/4	4,185.86	3/4	3,823.06	3/4	3,460.27	3/4	3,097.48	3/4	2,734.68
9		9		9	5,214.52	9	4,889.37	9	4,540.45	9	4,178.30	9	3,815.51	9	3,452.71	9	3,089.92	9	2,727.13
1/4		1/4		1/4	5,208.96	1/4	4,882.31	1/4	4,533.00	1/4	4,170.74	1/4	3,807.95	1/4	3,445.15	1/4	3,082.36	1/4	2,719.57
1/2		1/2		1/2	5,202.92	1/2	4,875.21	1/2	4,525.51	1/2	4,163.18	1/2	3,800.39	1/2	3,437.60	1/2	3,074.80	1/2	2,712.01
3/4		3/4		3/4	5,196.88	3/4	4,868.11	3/4	4,518.03	3/4	4,155.63	3/4	3,792.83	3/4	3,430.04	3/4	3,067.24	3/4	2,704.45
10		10		10	5,190.85	10	4,861.02	10	4,510.55	10	4,148.07	10	3,785.27	10	3,422.48	10	3,059.69	10	2,696.89
1/4		1/4		1/4	5,184.81	1/4	4,853.92	1/4	4,503.06	1/4	4,140.51	1/4	3,777.72	1/4	3,414.92	1/4	3,052.13	1/4	2,689.33
1/2		1/2		1/2	5,178.15	1/2	4,846.80	1/2	4,495.55	1/2	4,132.95	1/2	3,770.16	1/2	3,407.36	1/2	3,044.57	1/2	2,681.78
3/4		3/4		3/4	5,171.49	3/4	4,839.67	3/4	4,488.04	3/4	4,125.39	3/4	3,762.60	3/4	3,399.81	3/4	3,037.01	3/4	2,674.22
11		11		11	5,164.82	11	4,832.54	11	4,480.52	11	4,117.83	11	3,755.04	11	3,392.25	11	3,029.45	11	2,666.66
1/4		1/4		1/4	5,158.16	1/4	4,825.42	1/4	4,473.01	1/4	4,110.28	1/4	3,747.48	1/4	3,384.69	1/4	3,021.90	1/4	2,659.10
1/2		1/2		1/2	5,151.44	1/2	4,818.26	1/2	4,465.47	1/2	4,102.72	1/2	3,739.92	1/2	3,377.13	1/2	3,014.34	1/2	2,651.54
3/4		3/4		3/4	5,144.73	3/4	4,811.11	3/4	4,457.92	3/4	4,095.16	3/4	3,732.37	3/4	3,369.57	3/4	3,006.78	3/4	2,643.99

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 ULLAGE GAUGES TAKEN WITH HERMETIC CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" 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 29070"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,636.43	0	2,273.51	0	1,910.58	0	1,547.66	0	1,185.26	0	824.20	0	461.29	0	98.54	0		0	
1/4	2,628.87	1/4	2,265.95	1/4	1,903.02	1/4	1,540.10	1/4	1,177.75	1/4	816.64	1/4	453.73	1/4	91.01	1/4		1/4	
1/2	2,621.31	1/2	2,258.39	1/2	1,895.46	1/2	1,532.54	1/2	1,170.24	1/2	809.08	1/2	446.17	1/2	84.09	1/2		1/2	
3/4	2,613.75	3/4	2,250.82	3/4	1,887.90	3/4	1,524.98	3/4	1,162.73	3/4	801.52	3/4	438.61	3/4	77.16	3/4		3/4	
1	2,606.19	1	2,243.26	1	1,880.34	1	1,517.42	1	1,155.22	1	793.96	1	431.05	1	70.23	1		1	
1/4	2,598.63	1/4	2,235.70	1/4	1,872.78	1/4	1,509.86	1/4	1,147.71	1/4	786.40	1/4	423.49	1/4	63.30	1/4		1/4	
1/2	2,591.06	1/2	2,228.14	1/2	1,865.22	1/2	1,502.30	1/2	1,140.20	1/2	778.84	1/2	415.93	1/2	57.63	1/2		1/2	
3/4	2,583.50	3/4	2,220.58	3/4	1,857.66	3/4	1,494.73	3/4	1,132.70	3/4	771.28	3/4	408.37	3/4	51.96	3/4		3/4	
2	2,575.94	2	2,213.02	2	1,850.10	2	1,487.17	2	1,125.19	2	763.72	2	400.81	2	46.29	2		2	
1/4	2,568.38	1/4	2,205.46	1/4	1,842.54	1/4	1,479.61	1/4	1,117.68	1/4	756.16	1/4	393.25	1/4	40.62	1/4		1/4	
1/2	2,560.82	1/2	2,197.90	1/2	1,834.97	1/2	1,472.05	1/2	1,110.17	1/2	748.60	1/2	385.69	1/2	36.21	1/2		1/2	
3/4	2,553.26	3/4	2,190.34	3/4	1,827.41	3/4	1,464.49	3/4	1,102.66	3/4	741.04	3/4	378.13	3/4	31.80	3/4		3/4	
3	2,545.70	3	2,182.78	3	1,819.85	3	1,456.93	3	1,095.15	3	733.48	3	370.57	3	27.39	3		3	
1/4	2,538.14	1/4	2,175.22	1/4	1,812.29	1/4	1,449.37	1/4	1,087.64	1/4	725.92	1/4	363.01	1/4	22.98	1/4		1/4	
1/2	2,530.58	1/2	2,167.65	1/2	1,804.73	1/2	1,441.81	1/2	1,080.13	1/2	718.35	1/2	355.45	1/2		1/2		1/2	
3/4	2,523.02	3/4	2,160.09	3/4	1,797.17	3/4	1,434.25	3/4	1,072.62	3/4	710.79	3/4	347.89	3/4		3/4		3/4	
4	2,515.46	4	2,152.53	4	1,789.61	4	1,426.69	4	1,065.11	4	703.23	4	340.32	4		4		4	
1/4	2,507.89	1/4	2,144.97	1/4	1,782.05	1/4	1,419.13	1/4	1,057.60	1/4	695.67	1/4	332.76	1/4		1/4		1/4	
1/2	2,500.33	1/2	2,137.41	1/2	1,774.49	1/2	1,411.56	1/2	1,050.10	1/2	688.11	1/2	325.20	1/2		1/2		1/2	
3/4	2,492.77	3/4	2,129.85	3/4	1,766.93	3/4	1,404.00	3/4	1,042.59	3/4	680.55	3/4	317.64	3/4		3/4		3/4	
5	2,485.21	5	2,122.29	5	1,759.37	5	1,396.44	5	1,035.08	5	672.99	5	310.08	5		5		5	
1/4	2,477.65	1/4	2,114.73	1/4	1,751.80	1/4	1,388.88	1/4	1,027.57	1/4	665.43	1/4	302.52	1/4		1/4		1/4	
1/2	2,470.09	1/2	2,107.17	1/2	1,744.24	1/2	1,381.32	1/2	1,020.06	1/2	657.87	1/2	294.96	1/2		1/2		1/2	
3/4	2,462.53	3/4	2,099.61	3/4	1,736.68	3/4	1,373.76	3/4	1,012.55	3/4	650.31	3/4	287.40	3/4		3/4		3/4	
6	2,454.97	6	2,092.05	6	1,729.12	6	1,366.20	6	1,005.04	6	642.75	6	279.84	6		6		6	
1/4	2,447.41	1/4	2,084.48	1/4	1,721.56	1/4	1,358.64	1/4	997.53	1/4	635.19	1/4	272.28	1/4		1/4		1/4	
1/2	2,439.85	1/2	2,076.92	1/2	1,714.00	1/2	1,351.08	1/2	990.02	1/2	627.63	1/2	264.72	1/2		1/2		1/2	
3/4	2,432.29	3/4	2,069.36	3/4	1,706.44	3/4	1,343.52	3/4	982.51	3/4	620.07	3/4	257.16	3/4		3/4		3/4	
7	2,424.72	7	2,061.80	7	1,698.88	7	1,335.96	7	975.00	7	612.51	7	249.60	7		7		7	
1/4	2,417.16	1/4	2,054.24	1/4	1,691.32	1/4	1,328.39	1/4	967.50	1/4	604.95	1/4	242.04	1/4		1/4		1/4	
1/2	2,409.60	1/2	2,046.68	1/2	1,683.76	1/2	1,320.83	1/2	959.99	1/2	597.39	1/2	234.48	1/2		1/2		1/2	
3/4	2,402.04	3/4	2,039.12	3/4	1,676.20	3/4	1,313.27	3/4	952.48	3/4	589.82	3/4	226.92	3/4		3/4		3/4	
8	2,394.48	8	2,031.56	8	1,668.63	8	1,305.71	8	944.97	8	582.26	8	219.36	8		8		8	
1/4	2,386.92	1/4	2,024.00	1/4	1,661.07	1/4	1,298.15	1/4	937.46	1/4	574.70	1/4	211.79	1/4		1/4		1/4	
1/2	2,379.36	1/2	2,016.44	1/2	1,653.51	1/2	1,290.59	1/2	929.94	1/2	567.14	1/2	204.23	1/2		1/2		1/2	
3/4	2,371.80	3/4	2,008.88	3/4	1,645.95	3/4	1,283.03	3/4	922.41	3/4	559.58	3/4	196.67	3/4		3/4		3/4	
9	2,364.24	9	2,001.31	9	1,638.39	9	1,275.47	9	914.89	9	552.02	9	189.11	9		9		9	
1/4	2,356.68	1/4	1,993.75	1/4	1,630.83	1/4	1,267.91	1/4	907.37	1/4	544.46	1/4	181.55	1/4		1/4		1/4	
1/2	2,349.12	1/2	1,986.19	1/2	1,623.27	1/2	1,260.39	1/2	899.81	1/2	536.90	1/2	173.99	1/2		1/2		1/2	
3/4	2,341.55	3/4	1,978.63	3/4	1,615.71	3/4	1,252.87	3/4	892.25	3/4	529.34	3/4	166.43	3/4		3/4		3/4	
10	2,333.99	10	1,971.07	10	1,608.15	10	1,245.34	10	884.69	10	521.78	10	158.87	10		10		10	
1/4	2,326.43	1/4	1,963.51	1/4	1,600.59	1/4	1,237.82	1/4	877.13	1/4	514.22	1/4	151.31	1/4		1/4		1/4	
1/2	2,318.87	1/2	1,955.95	1/2	1,593.03	1/2	1,230.31	1/2	869.57	1/2	506.66	1/2	143.76	1/2		1/2		1/2	
3/4	2,311.31	3/4	1,948.39	3/4	1,585.47	3/4	1,222.80	3/4	862.01	3/4	499.10	3/4	136.21	3/4		3/4		3/4	
11	2,303.75	11	1,940.83	11	1,577.90	11	1,215.30	11	854.45	11	491.54	11	128.66	11		11		11	
1/4	2,296.19	1/4	1,933.27	1/4	1,570.34	1/4	1,207.79	1/4	846.89	1/4	483.98	1/4	121.11	1/4		1/4		1/4	
1/2	2,288.63	1/2	1,925.71	1/2	1,562.78	1/2	1,200.28	1/2	839.32	1/2	476.42	1/2	113.59	1/2		1/2		1/2	
3/4	2,281.07	3/4	1,918.14	3/4	1,555.22	3/4	1,192.77	3/4	831.76	3/4	468.86	3/4	106.06	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2013 SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29070"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,096.96	0	4,763.11	0	4,409.99	0	4,048.80	0	3,687.61	0	3,326.43	0	2,965.24
1/4		1/4		1/4		1/4	5,090.23	1/4	4,755.96	1/4	4,402.46	1/4	4,041.28	1/4	3,680.09	1/4	3,318.90	1/4	2,957.72
1/2		1/2		1/2		1/2	5,083.51	1/2	4,748.80	1/2	4,394.94	1/2	4,033.75	1/2	3,672.57	1/2	3,311.38	1/2	2,950.19
3/4		3/4		3/4		3/4	5,076.75	3/4	4,741.62	3/4	4,387.41	3/4	4,026.23	3/4	3,665.04	3/4	3,303.85	3/4	2,942.67
1		1		1		1	5,069.99	1	4,734.44	1	4,379.89	1	4,018.70	1	3,657.52	1	3,296.33	1	2,935.14
1/4		1/4		1/4		1/4	5,063.23	1/4	4,727.25	1/4	4,372.36	1/4	4,011.18	1/4	3,649.99	1/4	3,288.81	1/4	2,927.62
1/2		1/2		1/2		1/2	5,056.48	1/2	4,720.07	1/2	4,364.84	1/2	4,003.65	1/2	3,642.47	1/2	3,281.28	1/2	2,920.10
3/4		3/4		3/4		3/4	5,049.69	3/4	4,712.83	3/4	4,357.31	3/4	3,996.13	3/4	3,634.94	3/4	3,273.76	3/4	2,912.57
2		2		2		2	5,042.90	2	4,705.59	2	4,349.79	2	3,988.60	2	3,627.42	2	3,266.23	2	2,905.05
1/4		1/4		1/4		1/4	5,036.12	1/4	4,698.34	1/4	4,342.26	1/4	3,981.08	1/4	3,619.89	1/4	3,258.71	1/4	2,897.52
1/2		1/2		1/2		1/2	5,029.33	1/2	4,691.10	1/2	4,334.74	1/2	3,973.55	1/2	3,612.37	1/2	3,251.18	1/2	2,890.00
3/4		3/4		3/4		3/4	5,022.51	3/4	4,683.83	3/4	4,327.21	3/4	3,966.03	3/4	3,604.84	3/4	3,243.66	3/4	2,882.47
3		3		3		3	5,015.70	3	4,676.56	3	4,319.69	3	3,958.50	3	3,597.32	3	3,236.13	3	2,874.95
1/4		1/4		1/4		1/4	5,008.88	1/4	4,669.29	1/4	4,312.16	1/4	3,950.98	1/4	3,589.79	1/4	3,228.61	1/4	2,867.42
1/2		1/2		1/2		1/2	5,002.06	1/2	4,662.02	1/2	4,304.64	1/2	3,943.45	1/2	3,582.27	1/2	3,221.08	1/2	2,859.90
3/4		3/4		3/4		3/4	4,995.15	3/4	4,654.71	3/4	4,297.12	3/4	3,935.93	3/4	3,574.74	3/4	3,213.56	3/4	2,852.37
4		4		4		4	4,988.23	4	4,647.41	4	4,289.59	4	3,928.40	4	3,567.22	4	3,206.03	4	2,844.85
1/4		1/4		1/4		1/4	4,981.31	1/4	4,640.11	1/4	4,282.07	1/4	3,920.88	1/4	3,559.69	1/4	3,198.51	1/4	2,837.32
1/2		1/2		1/2		1/2	4,974.39	1/2	4,632.81	1/2	4,274.54	1/2	3,913.36	1/2	3,552.17	1/2	3,190.98	1/2	2,829.80
3/4		3/4		3/4		3/4	4,967.44	3/4	4,625.48	3/4	4,267.02	3/4	3,905.83	3/4	3,544.65	3/4	3,183.46	3/4	2,822.27
5		5		5		5	4,960.50	5	4,618.15	5	4,259.49	5	3,898.31	5	3,537.12	5	3,175.94	5	2,814.75
1/4		1/4		1/4		1/4	4,953.55	1/4	4,610.82	1/4	4,251.97	1/4	3,890.78	1/4	3,529.60	1/4	3,168.41	1/4	2,807.22
1/2		1/2		1/2		1/2	4,946.60	1/2	4,603.48	1/2	4,244.44	1/2	3,883.26	1/2	3,522.07	1/2	3,160.89	1/2	2,799.70
3/4		3/4		3/4		3/4	4,939.63	3/4	4,596.12	3/4	4,236.92	3/4	3,875.73	3/4	3,514.55	3/4	3,153.36	3/4	2,792.18
6		6		6		6	4,932.65	6	4,588.76	6	4,229.39	6	3,868.21	6	3,507.02	6	3,145.84	6	2,784.65
1/4		1/4		1/4		1/4	4,925.68	1/4	4,581.40	1/4	4,221.87	1/4	3,860.68	1/4	3,499.50	1/4	3,138.31	1/4	2,777.13
1/2		1/2		1/2	5,227.17	1/2	4,918.70	1/2	4,574.04	1/2	4,214.34	1/2	3,853.16	1/2	3,491.97	1/2	3,130.79	1/2	2,769.60
3/4		3/4		3/4	5,222.85	3/4	4,911.70	3/4	4,566.65	3/4	4,206.82	3/4	3,845.63	3/4	3,484.45	3/4	3,123.26	3/4	2,762.08
7		7		7	5,218.53	7	4,904.69	7	4,559.26	7	4,199.29	7	3,838.11	7	3,476.92	7	3,115.74	7	2,754.55
1/4		1/4		1/4	5,214.22	1/4	4,897.69	1/4	4,551.87	1/4	4,191.77	1/4	3,830.58	1/4	3,469.40	1/4	3,108.21	1/4	2,747.03
1/2		1/2		1/2	5,209.90	1/2	4,890.68	1/2	4,544.48	1/2	4,184.24	1/2	3,823.06	1/2	3,461.87	1/2	3,100.69	1/2	2,739.50
3/4		3/4		3/4	5,204.35	3/4	4,883.65	3/4	4,537.06	3/4	4,176.72	3/4	3,815.53	3/4	3,454.35	3/4	3,093.16	3/4	2,731.98
8		8		8	5,198.81	8	4,876.61	8	4,529.64	8	4,169.20	8	3,808.01	8	3,446.82	8	3,085.64	8	2,724.45
1/4		1/4		1/4	5,193.27	1/4	4,869.58	1/4	4,522.21	1/4	4,161.67	1/4	3,800.49	1/4	3,439.30	1/4	3,078.11	1/4	2,716.93
1/2		1/2		1/2	5,187.72	1/2	4,862.54	1/2	4,514.79	1/2	4,154.15	1/2	3,792.96	1/2	3,431.77	1/2	3,070.59	1/2	2,709.40
3/4		3/4		3/4	5,181.71	3/4	4,855.48	3/4	4,507.34	3/4	4,146.62	3/4	3,785.44	3/4	3,424.25	3/4	3,063.06	3/4	2,701.88
9		9		9	5,175.70	9	4,848.42	9	4,499.89	9	4,139.10	9	3,777.91	9	3,416.73	9	3,055.54	9	2,694.35
1/4		1/4		1/4	5,169.70	1/4	4,841.35	1/4	4,492.44	1/4	4,131.57	1/4	3,770.39	1/4	3,409.20	1/4	3,048.02	1/4	2,686.83
1/2		1/2		1/2	5,163.69	1/2	4,834.29	1/2	4,484.99	1/2	4,124.05	1/2	3,762.86	1/2	3,401.68	1/2	3,040.49	1/2	2,679.30
3/4		3/4		3/4	5,157.06	3/4	4,827.19	3/4	4,477.51	3/4	4,116.52	3/4	3,755.34	3/4	3,394.15	3/4	3,032.97	3/4	2,671.78
10		10		10	5,150.42	10	4,820.10	10	4,470.03	10	4,109.00	10	3,747.81	10	3,386.63	10	3,025.44	10	2,664.26
1/4		1/4		1/4	5,143.79	1/4	4,813.01	1/4	4,462.55	1/4	4,101.47	1/4	3,740.29	1/4	3,379.10	1/4	3,017.92	1/4	2,656.73
1/2		1/2		1/2	5,137.16	1/2	4,805.91	1/2	4,455.07	1/2	4,093.95	1/2	3,732.76	1/2	3,371.58	1/2	3,010.39	1/2	2,649.21
3/4		3/4		3/4	5,130.47	3/4	4,798.79	3/4	4,447.56	3/4	4,086.42	3/4	3,725.24	3/4	3,364.05	3/4	3,002.87	3/4	2,641.68
11		11		11	5,123.78	11	4,791.66	11	4,440.05	11	4,078.90	11	3,717.71	11	3,356.53	11	2,995.34	11	2,634.16
1/4		1/4		1/4	5,117.10	1/4	4,784.54	1/4	4,432.54	1/4	4,071.37	1/4	3,710.19	1/4	3,349.00	1/4	2,987.82	1/4	2,626.63
1/2		1/2		1/2	5,110.41	1/2	4,777.42	1/2	4,425.04	1/2	4,063.85	1/2	3,702.66	1/2	3,341.48	1/2	2,980.29	1/2	2,619.11
3/4		3/4		3/4	5,103.68	3/4	4,770.26	3/4	4,417.51	3/4	4,056.32	3/4	3,695.14	3/4	3,333.95	3/4	2,972.77	3/4	2,611.58

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 ULLAGE GAUGES TAKEN WITH HERMETIC CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" 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 29070"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,604.05	0	2,242.74	0	1,881.42	0	1,520.11	0	1,158.91	0	797.97	0	436.67	0	76.82	0		0	
1/4	2,596.53	1/4	2,235.21	1/4	1,873.89	1/4	1,512.58	1/4	1,151.40	1/4	790.44	1/4	429.14	1/4	69.92	1/4		1/4	
1/2	2,589.00	1/2	2,227.68	1/2	1,866.37	1/2	1,505.05	1/2	1,143.88	1/2	782.92	1/2	421.61	1/2	63.02	1/2		1/2	
3/4	2,581.47	3/4	2,220.16	3/4	1,858.84	3/4	1,497.52	3/4	1,136.37	3/4	775.39	3/4	414.09	3/4	57.38	3/4		3/4	
1	2,573.94	1	2,212.63	1	1,851.31	1	1,490.00	1	1,128.85	1	767.86	1	406.56	1	51.73	1		1	
1/4	2,566.42	1/4	2,205.10	1/4	1,843.79	1/4	1,482.47	1/4	1,121.34	1/4	760.33	1/4	399.03	1/4	46.09	1/4		1/4	
1/2	2,558.89	1/2	2,197.57	1/2	1,836.26	1/2	1,474.94	1/2	1,113.82	1/2	752.81	1/2	391.51	1/2	40.44	1/2		1/2	
3/4	2,551.36	3/4	2,190.05	3/4	1,828.73	3/4	1,467.42	3/4	1,106.31	3/4	745.28	3/4	383.98	3/4	36.05	3/4		3/4	
2	2,543.83	2	2,182.52	2	1,821.20	2	1,459.89	2	1,098.79	2	737.75	2	376.45	2	31.66	2		2	
1/4	2,536.31	1/4	2,174.99	1/4	1,813.68	1/4	1,452.36	1/4	1,091.28	1/4	730.23	1/4	368.93	1/4	27.27	1/4		1/4	
1/2	2,528.78	1/2	2,167.46	1/2	1,806.15	1/2	1,444.83	1/2	1,083.76	1/2	722.70	1/2	361.40	1/2	22.88	1/2		1/2	
3/4	2,521.25	3/4	2,159.94	3/4	1,798.62	3/4	1,437.31	3/4	1,076.25	3/4	715.17	3/4	353.87	3/4		3/4		3/4	
3	2,513.72	3	2,152.41	3	1,791.09	3	1,429.78	3	1,068.73	3	707.64	3	346.34	3		3		3	
1/4	2,506.20	1/4	2,144.88	1/4	1,783.57	1/4	1,422.25	1/4	1,061.22	1/4	700.12	1/4	338.82	1/4		1/4		1/4	
1/2	2,498.67	1/2	2,137.35	1/2	1,776.04	1/2	1,414.72	1/2	1,053.70	1/2	692.59	1/2	331.29	1/2		1/2		1/2	
3/4	2,491.14	3/4	2,129.83	3/4	1,768.51	3/4	1,407.20	3/4	1,046.19	3/4	685.06	3/4	323.76	3/4		3/4		3/4	
4	2,483.61	4	2,122.30	4	1,760.98	4	1,399.67	4	1,038.67	4	677.54	4	316.24	4		4		4	
1/4	2,476.09	1/4	2,114.77	1/4	1,753.46	1/4	1,392.14	1/4	1,031.16	1/4	670.01	1/4	308.71	1/4		1/4		1/4	
1/2	2,468.56	1/2	2,107.24	1/2	1,745.93	1/2	1,384.61	1/2	1,023.64	1/2	662.48	1/2	301.18	1/2		1/2		1/2	
3/4	2,461.03	3/4	2,099.72	3/4	1,738.40	3/4	1,377.09	3/4	1,016.12	3/4	654.95	3/4	293.65	3/4		3/4		3/4	
5	2,453.50	5	2,092.19	5	1,730.87	5	1,369.56	5	1,008.61	5	647.43	5	286.13	5		5		5	
1/4	2,445.98	1/4	2,084.66	1/4	1,723.35	1/4	1,362.03	1/4	1,001.09	1/4	639.90	1/4	278.60	1/4		1/4		1/4	
1/2	2,438.45	1/2	2,077.13	1/2	1,715.82	1/2	1,354.50	1/2	993.58	1/2	632.37	1/2	271.07	1/2		1/2		1/2	
3/4	2,430.92	3/4	2,069.61	3/4	1,708.29	3/4	1,346.98	3/4	986.06	3/4	624.85	3/4	263.55	3/4		3/4		3/4	
6	2,423.39	6	2,062.08	6	1,700.76	6	1,339.45	6	978.55	6	617.32	6	256.02	6		6		6	
1/4	2,415.87	1/4	2,054.55	1/4	1,693.24	1/4	1,331.92	1/4	971.03	1/4	609.79	1/4	248.49	1/4		1/4		1/4	
1/2	2,408.34	1/2	2,047.02	1/2	1,685.71	1/2	1,324.39	1/2	963.52	1/2	602.27	1/2	240.96	1/2		1/2		1/2	
3/4	2,400.81	3/4	2,039.50	3/4	1,678.18	3/4	1,316.87	3/4	956.00	3/4	594.74	3/4	233.44	3/4		3/4		3/4	
7	2,393.29	7	2,031.97	7	1,670.65	7	1,309.34	7	948.49	7	587.21	7	225.91	7		7		7	
1/4	2,385.76	1/4	2,024.44	1/4	1,663.13	1/4	1,301.81	1/4	940.97	1/4	579.68	1/4	218.38	1/4		1/4		1/4	
1/2	2,378.23	1/2	2,016.92	1/2	1,655.60	1/2	1,294.28	1/2	933.46	1/2	572.16	1/2	210.86	1/2		1/2		1/2	
3/4	2,370.70	3/4	2,009.39	3/4	1,648.07	3/4	1,286.76	3/4	925.93	3/4	564.63	3/4	203.33	3/4		3/4		3/4	
8	2,363.18	8	2,001.86	8	1,640.55	8	1,279.23	8	918.40	8	557.10	8	195.80	8		8		8	
1/4	2,355.65	1/4	1,994.33	1/4	1,633.02	1/4	1,271.70	1/4	910.88	1/4	549.58	1/4	188.27	1/4		1/4		1/4	
1/2	2,348.12	1/2	1,986.81	1/2	1,625.49	1/2	1,264.18	1/2	903.35	1/2	542.05	1/2	180.75	1/2		1/2		1/2	
3/4	2,340.59	3/4	1,979.28	3/4	1,617.96	3/4	1,256.65	3/4	895.82	3/4	534.52	3/4	173.22	3/4		3/4		3/4	
9	2,333.07	9	1,971.75	9	1,610.44	9	1,249.12	9	888.30	9	526.99	9	165.70	9		9		9	
1/4	2,325.54	1/4	1,964.22	1/4	1,602.91	1/4	1,241.59	1/4	880.77	1/4	519.47	1/4	158.17	1/4		1/4		1/4	
1/2	2,318.01	1/2	1,956.70	1/2	1,595.38	1/2	1,234.07	1/2	873.24	1/2	511.94	1/2	150.64	1/2		1/2		1/2	
3/4	2,310.48	3/4	1,949.17	3/4	1,587.85	3/4	1,226.55	3/4	865.71	3/4	504.41	3/4	143.13	3/4		3/4		3/4	
10	2,302.96	10	1,941.64	10	1,580.33	10	1,219.04	10	858.19	10	496.89	10	135.61	10		10		10	
1/4	2,295.43	1/4	1,934.11	1/4	1,572.80	1/4	1,211.52	1/4	850.66	1/4	489.36	1/4	128.09	1/4		1/4		1/4	
1/2	2,287.90	1/2	1,926.59	1/2	1,565.27	1/2	1,204.00	1/2	843.13	1/2	481.83	1/2	120.58	1/2		1/2		1/2	
3/4	2,280.37	3/4	1,919.06	3/4	1,557.74	3/4	1,196.49	3/4	835.61	3/4	474.30	3/4	113.09	3/4		3/4		3/4	
11	2,272.85	11	1,911.53	11	1,550.22	11	1,188.97	11	828.08	11	466.78	11	105.59	11		11		11	
1/4	2,265.32	1/4	1,904.00	1/4	1,542.69	1/4	1,181.46	1/4	820.55	1/4	459.25	1/4	98.10	1/4		1/4		1/4	
1/2	2,257.79	1/2	1,896.48	1/2	1,535.16	1/2	1,173.94	1/2	813.02	1/2	451.72	1/2	90.61	1/2		1/2		1/2	
3/4	2,250.26	3/4	1,888.95	3/4	1,527.63	3/4	1,166.43	3/4	805.50	3/4	444.20	3/4	83.71	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2013 SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 29070"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							5,081.08		4,747.23		4,394.10		4,032.92		3,671.73		3,310.55		2,949.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,074.35	1/4	4,740.07	1/4	4,386.58	1/4	4,025.39	1/4	3,664.21	1/4	3,303.02	1/4	2,941.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,067.62	1/2	4,732.92	1/2	4,379.05	1/2	4,017.87	1/2	3,656.68	1/2	3,295.50	1/2	2,934.31
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,060.87	3/4	4,725.74	3/4	4,371.53	3/4	4,010.34	3/4	3,649.16	3/4	3,287.97	3/4	2,926.79
1	1	1	1	1	1	1	5,054.11	1	4,718.55	1	4,364.00	1	4,002.82	1	3,641.63	1	3,280.45	1	2,919.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,047.35	1/4	4,711.37	1/4	4,356.48	1/4	3,995.29	1/4	3,634.11	1/4	3,272.92	1/4	2,911.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,040.60	1/2	4,704.19	1/2	4,348.96	1/2	3,987.77	1/2	3,626.58	1/2	3,265.40	1/2	2,904.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,033.81	3/4	4,696.94	3/4	4,341.43	3/4	3,980.24	3/4	3,619.06	3/4	3,257.87	3/4	2,896.69
2	2	2	2	2	2	2	5,027.02	2	4,689.70	2	4,333.91	2	3,972.72	2	3,611.53	2	3,250.35	2	2,889.16
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,020.23	1/4	4,682.46	1/4	4,326.38	1/4	3,965.20	1/4	3,604.01	1/4	3,242.82	1/4	2,881.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,013.45	1/2	4,675.22	1/2	4,318.86	1/2	3,957.67	1/2	3,596.49	1/2	3,235.30	1/2	2,874.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,006.63	3/4	4,667.95	3/4	4,311.33	3/4	3,950.15	3/4	3,588.96	3/4	3,227.77	3/4	2,866.59
3	3	3	3	3	3	3	4,999.81	3	4,660.68	3	4,303.81	3	3,942.62	3	3,581.44	3	3,220.25	3	2,859.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,993.00	1/4	4,653.40	1/4	4,296.28	1/4	3,935.10	1/4	3,573.91	1/4	3,212.73	1/4	2,851.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,986.18	1/2	4,646.13	1/2	4,288.76	1/2	3,927.57	1/2	3,566.39	1/2	3,205.20	1/2	2,844.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,979.26	3/4	4,638.83	3/4	4,281.23	3/4	3,920.05	3/4	3,558.86	3/4	3,197.68	3/4	2,836.49
4	4	4	4	4	4	4	4,972.35	4	4,631.53	4	4,273.71	4	3,912.52	4	3,551.34	4	3,190.15	4	2,828.97
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,965.43	1/4	4,624.23	1/4	4,266.18	1/4	3,905.00	1/4	3,543.81	1/4	3,182.63	1/4	2,821.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.51	1/2	4,616.93	1/2	4,258.66	1/2	3,897.47	1/2	3,536.29	1/2	3,175.10	1/2	2,813.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,951.56	3/4	4,609.59	3/4	4,251.13	3/4	3,889.95	3/4	3,528.76	3/4	3,167.58	3/4	2,806.39
5	5	5	5	5	5	5	4,944.61	5	4,602.26	5	4,243.61	5	3,882.42	5	3,521.24	5	3,160.05	5	2,798.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,937.67	1/4	4,594.93	1/4	4,236.08	1/4	3,874.90	1/4	3,513.71	1/4	3,152.53	1/4	2,791.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,930.72	1/2	4,587.60	1/2	4,228.56	1/2	3,867.37	1/2	3,506.19	1/2	3,145.00	1/2	2,783.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,923.74	3/4	4,580.24	3/4	4,221.04	3/4	3,859.85	3/4	3,498.66	3/4	3,137.48	3/4	2,776.29
6	6	6	6	6	6	6	4,916.77	6	4,572.88	6	4,213.51	6	3,852.33	6	3,491.14	6	3,129.95	6	2,768.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,909.79	1/4	4,565.52	1/4	4,205.99	1/4	3,844.80	1/4	3,483.61	1/4	3,122.43	1/4	2,761.24
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,211.29	1/2	4,902.82	1/2	4,558.16	1/2	4,198.46	1/2	3,837.28	1/2	3,476.09	1/2	3,114.90
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,206.97	3/4	4,895.81	3/4	4,550.77	3/4	4,190.94	3/4	3,829.75	3/4	3,468.57	3/4	3,107.38
7	7	7	7	7	7	7	5,202.65	7	4,888.81	7	4,543.37	7	4,183.41	7	3,822.23	7	3,461.04	7	3,099.86
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,198.34	1/4	4,881.80	1/4	4,535.98	1/4	4,175.89	1/4	3,814.70	1/4	3,453.52	1/4	3,092.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,194.02	1/2	4,874.80	1/2	4,528.59	1/2	4,168.36	1/2	3,807.18	1/2	3,445.99	1/2	3,084.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,188.47	3/4	4,867.77	3/4	4,521.17	3/4	4,160.84	3/4	3,799.65	3/4	3,438.47	3/4	3,077.28
8	8	8	8	8	8	8	5,182.93	8	4,860.73	8	4,513.75	8	4,153.31	8	3,792.13	8	3,430.94	8	3,069.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,177.39	1/4	4,853.70	1/4	4,506.33	1/4	4,145.79	1/4	3,784.60	1/4	3,423.42	1/4	3,062.23
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,171.84	1/2	4,846.66	1/2	4,498.91	1/2	4,138.26	1/2	3,777.08	1/2	3,415.89	1/2	3,054.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,165.83	3/4	4,839.60	3/4	4,491.46	3/4	4,130.74	3/4	3,769.55	3/4	3,408.37	3/4	3,047.18
9	9	9	9	9	9	9	5,159.82	9	4,832.53	9	4,484.01	9	4,123.21	9	3,762.03	9	3,400.84	9	3,039.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,153.82	1/4	4,825.47	1/4	4,476.56	1/4	4,115.69	1/4	3,754.50	1/4	3,393.32	1/4	3,032.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,147.81	1/2	4,818.41	1/2	4,469.11	1/2	4,108.16	1/2	3,746.98	1/2	3,385.79	1/2	3,024.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,141.17	3/4	4,811.31	3/4	4,461.63	3/4	4,100.64	3/4	3,739.45	3/4	3,378.27	3/4	3,017.08
10	10	10	10	10	10	10	5,134.54	10	4,804.22	10	4,454.15	10	4,093.12	10	3,731.93	10	3,370.74	10	3,009.56
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,127.91	1/4	4,797.12	1/4	4,446.67	1/4	4,085.59	1/4	3,724.41	1/4	3,363.22	1/4	3,002.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,121.28	1/2	4,790.03	1/2	4,439.19	1/2	4,078.07	1/2	3,716.88	1/2	3,355.69	1/2	2,994.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,114.59	3/4	4,782.91	3/4	4,431.68	3/4	4,070.54	3/4	3,709.36	3/4	3,348.17	3/4	2,986.98
11	11	11	11	11	11	11	5,107.90	11	4,775.78	11	4,424.17	11	4,063.02	11	3,701.83	11	3,340.65	11	2,979.46
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,101.22	1/4	4,768.66	1/4	4,416.66	1/4	4,055.49	1/4	3,694.31	1/4	3,333.12	1/4	2,971.94
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,094.53	1/2	4,761.53	1/2	4,409.15	1/2	4,047.97	1/2	3,686.78	1/2	3,325.60	1/2	2,964.41
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,087.80	3/4	4,754.38	3/4	4,401.63	3/4	4,040.44	3/4	3,679.26	3/4	3,318.07	3/4	2,956.89

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 ULLAGE GAUGES TAKEN WITH HERMETIC CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 42'-00" 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 29070"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,588.17	0	2,226.85	0	1,865.54	0	1,504.22	0	1,147.66	0	797.97	0	436.67	0	76.81	0		0	
1/4	2,580.64	1/4	2,219.33	1/4	1,858.01	1/4	1,496.70	1/4	1,140.48	1/4	790.44	1/4	429.14	1/4	69.91	1/4		1/4	
1/2	2,573.12	1/2	2,211.80	1/2	1,850.48	1/2	1,489.17	1/2	1,133.30	1/2	782.91	1/2	421.61	1/2	63.02	1/2		1/2	
3/4	2,565.59	3/4	2,204.27	3/4	1,842.96	3/4	1,481.64	3/4	1,126.11	3/4	775.39	3/4	414.08	3/4	57.37	3/4		3/4	
1	2,558.06	1	2,196.75	1	1,835.43	1	1,474.11	1	1,118.93	1	767.86	1	406.56	1	51.73	1		1	
1/4	2,550.53	1/4	2,189.22	1/4	1,827.90	1/4	1,466.59	1/4	1,111.74	1/4	760.33	1/4	399.03	1/4	46.08	1/4		1/4	
1/2	2,543.01	1/2	2,181.69	1/2	1,820.38	1/2	1,459.06	1/2	1,104.56	1/2	752.80	1/2	391.50	1/2	40.44	1/2		1/2	
3/4	2,535.48	3/4	2,174.16	3/4	1,812.85	3/4	1,451.53	3/4	1,097.37	3/4	745.28	3/4	383.98	3/4	36.05	3/4		3/4	
2	2,527.95	2	2,166.64	2	1,805.32	2	1,444.01	2	1,090.19	2	737.75	2	376.45	2	31.66	2		2	
1/4	2,520.42	1/4	2,159.11	1/4	1,797.79	1/4	1,436.48	1/4	1,083.01	1/4	730.22	1/4	368.92	1/4	27.27	1/4		1/4	
1/2	2,512.90	1/2	2,151.58	1/2	1,790.27	1/2	1,428.95	1/2	1,075.82	1/2	722.70	1/2	361.40	1/2	22.88	1/2		1/2	
3/4	2,505.37	3/4	2,144.05	3/4	1,782.74	3/4	1,421.42	3/4	1,068.64	3/4	715.17	3/4	353.87	3/4		3/4		3/4	
3	2,497.84	3	2,136.53	3	1,775.21	3	1,413.90	3	1,061.45	3	707.64	3	346.34	3		3		3	
1/4	2,490.31	1/4	2,129.00	1/4	1,767.68	1/4	1,406.37	1/4	1,054.27	1/4	700.11	1/4	338.81	1/4		1/4		1/4	
1/2	2,482.79	1/2	2,121.47	1/2	1,760.16	1/2	1,398.84	1/2	1,047.08	1/2	692.59	1/2	331.29	1/2		1/2		1/2	
3/4	2,475.26	3/4	2,113.94	3/4	1,752.63	3/4	1,391.31	3/4	1,039.90	3/4	685.06	3/4	323.76	3/4		3/4		3/4	
4	2,467.73	4	2,106.42	4	1,745.10	4	1,383.79	4	1,032.72	4	677.53	4	316.23	4		4		4	
1/4	2,460.20	1/4	2,098.89	1/4	1,737.57	1/4	1,376.26	1/4	1,025.53	1/4	670.01	1/4	308.71	1/4		1/4		1/4	
1/2	2,452.68	1/2	2,091.36	1/2	1,730.05	1/2	1,368.73	1/2	1,018.35	1/2	662.48	1/2	301.18	1/2		1/2		1/2	
3/4	2,445.15	3/4	2,083.83	3/4	1,722.52	3/4	1,361.20	3/4	1,011.16	3/4	654.95	3/4	293.65	3/4		3/4		3/4	
5	2,437.62	5	2,076.31	5	1,714.99	5	1,353.68	5	1,003.98	5	647.43	5	286.12	5		5		5	
1/4	2,430.09	1/4	2,068.78	1/4	1,707.46	1/4	1,346.15	1/4	996.79	1/4	639.90	1/4	278.60	1/4		1/4		1/4	
1/2	2,422.57	1/2	2,061.25	1/2	1,699.94	1/2	1,338.62	1/2	989.61	1/2	632.37	1/2	271.07	1/2		1/2		1/2	
3/4	2,415.04	3/4	2,053.72	3/4	1,692.41	3/4	1,331.09	3/4	982.42	3/4	624.84	3/4	263.54	3/4		3/4		3/4	
6	2,407.51	6	2,046.20	6	1,684.88	6	1,323.57	6	975.24	6	617.32	6	256.02	6		6		6	
1/4	2,399.99	1/4	2,038.67	1/4	1,677.35	1/4	1,316.04	1/4	968.06	1/4	609.79	1/4	248.49	1/4		1/4		1/4	
1/2	2,392.46	1/2	2,031.14	1/2	1,669.83	1/2	1,308.51	1/2	960.87	1/2	602.26	1/2	240.96	1/2		1/2		1/2	
3/4	2,384.93	3/4	2,023.62	3/4	1,662.30	3/4	1,300.98	3/4	953.69	3/4	594.74	3/4	233.43	3/4		3/4		3/4	
7	2,377.40	7	2,016.09	7	1,654.77	7	1,293.46	7	946.50	7	587.21	7	225.91	7		7		7	
1/4	2,369.88	1/4	2,008.56	1/4	1,647.25	1/4	1,285.93	1/4	939.32	1/4	579.68	1/4	218.38	1/4		1/4		1/4	
1/2	2,362.35	1/2	2,001.03	1/2	1,639.72	1/2	1,278.40	1/2	932.13	1/2	572.15	1/2	210.85	1/2		1/2		1/2	
3/4	2,354.82	3/4	1,993.51	3/4	1,632.19	3/4	1,270.88	3/4	924.94	3/4	564.63	3/4	203.33	3/4		3/4		3/4	
8	2,347.29	8	1,985.98	8	1,624.66	8	1,263.35	8	917.74	8	557.10	8	195.80	8		8		8	
1/4	2,339.77	1/4	1,978.45	1/4	1,617.14	1/4	1,255.82	1/4	910.54	1/4	549.57	1/4	188.27	1/4		1/4		1/4	
1/2	2,332.24	1/2	1,970.92	1/2	1,609.61	1/2	1,248.29	1/2	903.35	1/2	542.05	1/2	180.74	1/2		1/2		1/2	
3/4	2,324.71	3/4	1,963.40	3/4	1,602.08	3/4	1,241.10	3/4	895.82	3/4	534.52	3/4	173.22	3/4		3/4		3/4	
9	2,317.18	9	1,955.87	9	1,594.55	9	1,233.90	9	888.29	9	526.99	9	165.69	9		9		9	
1/4	2,309.66	1/4	1,948.34	1/4	1,587.03	1/4	1,226.70	1/4	880.77	1/4	519.46	1/4	158.17	1/4		1/4		1/4	
1/2	2,302.13	1/2	1,940.81	1/2	1,579.50	1/2	1,219.51	1/2	873.24	1/2	511.94	1/2	150.64	1/2		1/2		1/2	
3/4	2,294.60	3/4	1,933.29	3/4	1,571.97	3/4	1,212.32	3/4	865.71	3/4	504.41	3/4	143.12	3/4		3/4		3/4	
10	2,287.07	10	1,925.76	10	1,564.44	10	1,205.14	10	858.18	10	496.88	10	135.61	10		10		10	
1/4	2,279.55	1/4	1,918.23	1/4	1,556.92	1/4	1,197.95	1/4	850.66	1/4	489.36	1/4	128.09	1/4		1/4		1/4	
1/2	2,272.02	1/2	1,910.70	1/2	1,549.39	1/2	1,190.77	1/2	843.13	1/2	481.83	1/2	120.57	1/2		1/2		1/2	
3/4	2,264.49	3/4	1,903.18	3/4	1,541.86	3/4	1,183.59	3/4	835.60	3/4	474.30	3/4	113.08	3/4		3/4		3/4	
11	2,256.96	11	1,895.65	11	1,534.33	11	1,176.40	11	828.08	11	466.77	11	105.59	11		11		11	
1/4	2,249.44	1/4	1,888.12	1/4	1,526.81	1/4	1,169.22	1/4	820.55	1/4	459.25	1/4	98.10	1/4		1/4		1/4	
1/2	2,241.91	1/2	1,880.59	1/2	1,519.28	1/2	1,162.03	1/2	813.02	1/2	451.72	1/2	90.61	1/2		1/2		1/2	
3/4	2,234.38	3/4	1,873.07	3/4	1,511.75	3/4	1,154.85	3/4	805.49	3/4	444.19	3/4	83.71	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2013 SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 29070"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,353.69		4,174.95		3,985.90		3,792.34		3,598.79		3,319.45		2,961.07		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,350.09	1/4	4,171.12	1/4	3,981.86	1/4	3,788.31	1/4	3,594.75	1/4	3,312.01	1/4	2,953.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,346.48	1/2	4,167.28	1/2	3,977.83	1/2	3,784.28	1/2	3,590.72	1/2	3,304.56	1/2	2,946.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,342.88	3/4	4,163.45	3/4	3,973.80	3/4	3,780.24	3/4	3,586.69	3/4	3,297.11	3/4	2,938.63		
1	1	1	1	1	1	1	4,339.26	1	4,159.60	1	3,969.77	1	3,776.21	1	3,582.66	1	3,289.66	1	2,931.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,335.63	1/4	4,155.75	1/4	3,965.73	1/4	3,772.18	1/4	3,578.62	1/4	3,282.21	1/4	2,923.66		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,332.01	1/2	4,151.90	1/2	3,961.70	1/2	3,768.15	1/2	3,574.59	1/2	3,274.76	1/2	2,916.18		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,328.39	3/4	4,148.05	3/4	3,957.67	3/4	3,764.11	3/4	3,570.56	3/4	3,267.32	3/4	2,908.69		
2	2	2	2	2	2	2	4,324.75	2	4,144.16	2	3,953.64	2	3,760.08	2	3,566.53	2	3,259.87	2	2,901.21		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,321.11	1/4	4,140.28	1/4	3,949.61	1/4	3,756.05	1/4	3,562.49	1/4	3,252.42	1/4	2,893.73		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,317.48	1/2	4,136.40	1/2	3,945.57	1/2	3,752.02	1/2	3,558.46	1/2	3,244.97	1/2	2,886.25		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,313.84	3/4	4,132.52	3/4	3,941.54	3/4	3,747.99	3/4	3,554.43	3/4	3,237.52	3/4	2,878.76		
3	3	3	3	3	3	3	4,310.19	3	4,128.62	3	3,937.51	3	3,743.95	3	3,550.40	3	3,230.07	3	2,871.28		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,306.53	1/4	4,124.73	1/4	3,933.48	1/4	3,739.92	1/4	3,546.37	1/4	3,222.63	1/4	2,863.80		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,302.88	1/2	4,120.83	1/2	3,929.44	1/2	3,735.89	1/2	3,542.33	1/2	3,215.18	1/2	2,856.32		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,299.22	3/4	4,116.93	3/4	3,925.41	3/4	3,731.86	3/4	3,538.30	3/4	3,207.73	3/4	2,848.83		
4	4	4	4	4	4	4	4,295.52	4	4,113.02	4	3,921.38	4	3,727.82	4	3,534.27	4	3,200.28	4	2,841.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,291.81	1/4	4,109.10	1/4	3,917.35	1/4	3,723.79	1/4	3,530.24	1/4	3,192.83	1/4	2,833.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,288.10	1/2	4,105.19	1/2	3,913.31	1/2	3,719.76	1/2	3,526.20	1/2	3,185.38	1/2	2,826.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,284.39	3/4	4,101.28	3/4	3,909.28	3/4	3,715.73	3/4	3,522.17	3/4	3,177.93	3/4	2,818.90		
5	5	5	5	5	5	5	4,280.67	5	4,097.35	5	3,905.25	5	3,711.69	5	3,518.14	5	3,170.49	5	2,811.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,276.95	1/4	4,093.42	1/4	3,901.22	1/4	3,707.66	1/4	3,514.11	1/4	3,163.04	1/4	2,803.94		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,273.22	1/2	4,089.49	1/2	3,897.18	1/2	3,703.63	1/2	3,510.07	1/2	3,155.59	1/2	2,796.45		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,269.50	3/4	4,085.56	3/4	3,893.15	3/4	3,699.60	3/4	3,506.04	3/4	3,148.14	3/4	2,788.97		
6	6	6	6	6	6	6	4,265.76	6	4,081.62	6	3,889.12	6	3,695.56	6	3,498.58	6	3,140.66	6	2,781.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,262.02	1/4	4,077.67	1/4	3,885.09	1/4	3,691.53	1/4	3,491.11	1/4	3,133.18	1/4	2,773.98		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,258.28	1/2	4,073.73	1/2	3,881.05	1/2	3,687.50	1/2	3,483.65	1/2	3,125.69	1/2	2,766.48		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,254.54	3/4	4,069.78	3/4	3,877.02	3/4	3,683.47	3/4	3,476.18	3/4	3,118.21	3/4	2,758.98		
7	7	7	4,409.40	7	4,408.53	7	4,250.78	7	4,065.82	7	3,872.99	7	3,679.43	7	3,468.72	7	3,110.73	7	2,751.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,407.66	1/4	4,247.03	1/4	4,061.86	1/4	3,868.96	1/4	3,675.40	1/4	3,461.26	1/4	3,103.24	1/4	2,743.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,406.79	1/2	4,243.27	1/2	4,057.90	1/2	3,864.92	1/2	3,671.37	1/2	3,453.79	1/2	3,095.76	1/2	2,736.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,405.92	3/4	4,239.52	3/4	4,053.94	3/4	3,860.89	3/4	3,667.34	3/4	3,446.33	3/4	3,088.28	3/4	2,729.00
8	8	8	4,403.82	8	4,403.82	8	4,235.74	8	4,049.96	8	3,856.86	8	3,663.30	8	3,438.86	8	3,080.80	8	2,721.51		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,401.71	1/4	4,231.97	1/4	4,045.98	1/4	3,852.83	1/4	3,659.27	1/4	3,431.40	1/4	3,073.31	1/4	2,714.01
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,399.60	1/2	4,228.20	1/2	4,042.01	1/2	3,848.80	1/2	3,655.24	1/2	3,423.94	1/2	3,065.83	1/2	2,706.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,397.50	3/4	4,224.43	3/4	4,038.03	3/4	3,844.76	3/4	3,651.21	3/4	3,416.47	3/4	3,058.35	3/4	2,699.02
9	9	9	4,394.57	9	4,394.57	9	4,220.64	9	4,034.04	9	3,840.73	9	3,647.18	9	3,409.01	9	3,050.87	9	2,691.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,391.63	1/4	4,216.85	1/4	4,030.05	1/4	3,836.70	1/4	3,643.14	1/4	3,401.54	1/4	3,043.38	1/4	2,684.03
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,388.70	1/2	4,213.07	1/2	4,026.05	1/2	3,832.67	1/2	3,639.11	1/2	3,394.08	1/2	3,035.90	1/2	2,676.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,385.77	3/4	4,209.28	3/4	4,022.06	3/4	3,828.63	3/4	3,635.08	3/4	3,386.62	3/4	3,028.42	3/4	2,669.04
10	10	10	4,382.23	10	4,382.23	10	4,205.48	10	4,018.05	10	3,824.60	10	3,631.05	10	3,379.15	10	3,020.94	10	2,661.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.69	1/4	4,201.67	1/4	4,014.04	1/4	3,820.57	1/4	3,627.01	1/4	3,371.69	1/4	3,013.45	1/4	2,654.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,375.15	1/2	4,197.87	1/2	4,010.03	1/2	3,816.54	1/2	3,622.98	1/2	3,364.22	1/2	3,005.97	1/2	2,646.55
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,371.62	3/4	4,194.07	3/4	4,006.03	3/4	3,812.50	3/4	3,618.95	3/4	3,356.76	3/4	2,998.49	3/4	2,639.06
11	11	11	4,368.04	11	4,368.04	11	4,190.25	11	4,002.00	11	3,808.47	11	3,614.92	11	3,349.30	11	2,991.00	11	2,631.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,364.46	1/4	4,186.43	1/4	3,997.98	1/4	3,804.44	1/4	3,610.88	1/4	3,341.83	1/4	2,983.52	1/4	2,624.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,360.88	1/2	4,182.61	1/2	3,993.95	1/2	3,800.41	1/2	3,606.85	1/2	3,334.37	1/2	2,976.04	1/2	2,616.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,357.30	3/4	4,178.79	3/4	3,989.93	3/4	3,796.37	3/4	3,602.82	3/4	3,326.90	3/4	2,968.56	3/4	2,609.07

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 ULLAGE GAUGES TAKEN WITH HERMETIC CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" 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 29070"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,601.58	0	2,241.73	0	1,881.84	0	1,521.91	0	1,162.03	0	802.42	0	442.50	0	83.39	0		0	
1/4	2,594.08	1/4	2,234.23	1/4	1,874.34	1/4	1,514.41	1/4	1,154.54	1/4	794.92	1/4	435.00	1/4	76.52	1/4		1/4	
1/2	2,586.58	1/2	2,226.73	1/2	1,866.84	1/2	1,506.91	1/2	1,147.05	1/2	787.42	1/2	427.50	1/2	69.65	1/2		1/2	
3/4	2,579.09	3/4	2,219.23	3/4	1,859.34	3/4	1,499.41	3/4	1,139.56	3/4	779.92	3/4	420.00	3/4	62.78	3/4		3/4	
1	2,571.59	1	2,211.74	1	1,851.84	1	1,491.91	1	1,132.08	1	772.42	1	412.51	1	57.16	1		1	
1/4	2,564.09	1/4	2,204.24	1/4	1,844.35	1/4	1,484.41	1/4	1,124.59	1/4	764.93	1/4	405.01	1/4	51.53	1/4		1/4	
1/2	2,556.60	1/2	2,196.74	1/2	1,836.85	1/2	1,476.91	1/2	1,117.10	1/2	757.43	1/2	397.51	1/2	45.91	1/2		1/2	
3/4	2,549.10	3/4	2,189.25	3/4	1,829.35	3/4	1,469.42	3/4	1,109.61	3/4	749.93	3/4	390.01	3/4	40.29	3/4		3/4	
2	2,541.60	2	2,181.75	2	1,821.85	2	1,461.92	2	1,102.12	2	742.43	2	382.51	2	35.92	2		2	
1/4	2,534.10	1/4	2,174.25	1/4	1,814.35	1/4	1,454.42	1/4	1,094.63	1/4	734.93	1/4	375.01	1/4	31.54	1/4		1/4	
1/2	2,526.61	1/2	2,166.76	1/2	1,806.85	1/2	1,446.92	1/2	1,087.14	1/2	727.43	1/2	367.52	1/2	27.17	1/2		1/2	
3/4	2,519.11	3/4	2,159.26	3/4	1,799.35	3/4	1,439.42	3/4	1,079.65	3/4	719.94	3/4	360.02	3/4	22.80	3/4		3/4	
3	2,511.61	3	2,151.76	3	1,791.86	3	1,431.92	3	1,072.16	3	712.44	3	352.52	3		3		3	
1/4	2,504.12	1/4	2,144.27	1/4	1,784.36	1/4	1,424.42	1/4	1,064.67	1/4	704.94	1/4	345.02	1/4		1/4		1/4	
1/2	2,496.62	1/2	2,136.77	1/2	1,776.86	1/2	1,416.93	1/2	1,057.18	1/2	697.44	1/2	337.52	1/2		1/2		1/2	
3/4	2,489.12	3/4	2,129.27	3/4	1,769.36	3/4	1,409.43	3/4	1,049.69	3/4	689.94	3/4	330.02	3/4		3/4		3/4	
4	2,481.63	4	2,121.78	4	1,761.86	4	1,401.93	4	1,042.21	4	682.44	4	322.53	4		4		4	
1/4	2,474.13	1/4	2,114.28	1/4	1,754.36	1/4	1,394.43	1/4	1,034.72	1/4	674.95	1/4	315.03	1/4		1/4		1/4	
1/2	2,466.63	1/2	2,106.78	1/2	1,746.86	1/2	1,386.93	1/2	1,027.23	1/2	667.45	1/2	307.53	1/2		1/2		1/2	
3/4	2,459.14	3/4	2,099.28	3/4	1,739.37	3/4	1,379.43	3/4	1,019.74	3/4	659.95	3/4	300.03	3/4		3/4		3/4	
5	2,451.64	5	2,091.79	5	1,731.87	5	1,371.93	5	1,012.25	5	652.45	5	292.53	5		5		5	
1/4	2,444.14	1/4	2,084.29	1/4	1,724.37	1/4	1,364.44	1/4	1,004.76	1/4	644.95	1/4	285.03	1/4		1/4		1/4	
1/2	2,436.64	1/2	2,076.79	1/2	1,716.87	1/2	1,356.94	1/2	997.27	1/2	637.45	1/2	277.54	1/2		1/2		1/2	
3/4	2,429.15	3/4	2,069.30	3/4	1,709.37	3/4	1,349.44	3/4	989.78	3/4	629.96	3/4	270.04	3/4		3/4		3/4	
6	2,421.65	6	2,061.80	6	1,701.87	6	1,341.94	6	982.29	6	622.46	6	262.54	6		6		6	
1/4	2,414.15	1/4	2,054.30	1/4	1,694.37	1/4	1,334.44	1/4	974.80	1/4	614.96	1/4	255.04	1/4		1/4		1/4	
1/2	2,406.66	1/2	2,046.81	1/2	1,686.87	1/2	1,326.94	1/2	967.31	1/2	607.46	1/2	247.54	1/2		1/2		1/2	
3/4	2,399.16	3/4	2,039.31	3/4	1,679.38	3/4	1,319.44	3/4	959.82	3/4	599.96	3/4	240.04	3/4		3/4		3/4	
7	2,391.66	7	2,031.81	7	1,671.88	7	1,311.94	7	952.33	7	592.46	7	232.55	7		7		7	
1/4	2,384.17	1/4	2,024.31	1/4	1,664.38	1/4	1,304.45	1/4	944.85	1/4	584.97	1/4	225.05	1/4		1/4		1/4	
1/2	2,376.67	1/2	2,016.81	1/2	1,656.88	1/2	1,296.95	1/2	937.36	1/2	577.47	1/2	217.55	1/2		1/2		1/2	
3/4	2,369.17	3/4	2,009.31	3/4	1,649.38	3/4	1,289.45	3/4	929.87	3/4	569.97	3/4	210.05	3/4		3/4		3/4	
8	2,361.68	8	2,001.82	8	1,641.88	8	1,281.95	8	922.37	8	562.47	8	202.55	8		8		8	
1/4	2,354.18	1/4	1,994.32	1/4	1,634.38	1/4	1,274.45	1/4	914.88	1/4	554.97	1/4	195.05	1/4		1/4		1/4	
1/2	2,346.68	1/2	1,986.82	1/2	1,626.89	1/2	1,266.95	1/2	907.39	1/2	547.47	1/2	187.56	1/2		1/2		1/2	
3/4	2,339.19	3/4	1,979.32	3/4	1,619.39	3/4	1,259.45	3/4	899.89	3/4	539.98	3/4	180.06	3/4		3/4		3/4	
9	2,331.69	9	1,971.82	9	1,611.89	9	1,251.96	9	892.40	9	532.48	9	172.56	9		9		9	
1/4	2,324.19	1/4	1,964.32	1/4	1,604.39	1/4	1,244.46	1/4	884.90	1/4	524.98	1/4	165.06	1/4		1/4		1/4	
1/2	2,316.69	1/2	1,956.82	1/2	1,596.89	1/2	1,236.96	1/2	877.40	1/2	517.48	1/2	157.57	1/2		1/2		1/2	
3/4	2,309.20	3/4	1,949.33	3/4	1,589.39	3/4	1,229.46	3/4	869.90	3/4	509.98	3/4	150.07	3/4		3/4		3/4	
10	2,301.70	10	1,941.83	10	1,581.89	10	1,221.96	10	862.40	10	502.48	10	142.58	10		10		10	
1/4	2,294.20	1/4	1,934.33	1/4	1,574.40	1/4	1,214.47	1/4	854.90	1/4	494.99	1/4	135.09	1/4		1/4		1/4	
1/2	2,286.71	1/2	1,926.83	1/2	1,566.90	1/2	1,206.97	1/2	847.41	1/2	487.49	1/2	127.61	1/2		1/2		1/2	
3/4	2,279.21	3/4	1,919.33	3/4	1,559.40	3/4	1,199.48	3/4	839.91	3/4	479.99	3/4	120.12	3/4		3/4		3/4	
11	2,271.71	11	1,911.83	11	1,551.90	11	1,191.99	11	832.41	11	472.49	11	112.65	11		11		11	
1/4	2,264.22	1/4	1,904.33	1/4	1,544.40	1/4	1,184.50	1/4	824.91	1/4	464.99	1/4	105.19	1/4		1/4		1/4	
1/2	2,256.72	1/2	1,896.84	1/2	1,536.90	1/2	1,177.01	1/2	817.41	1/2	457.50	1/2	97.73	1/2		1/2		1/2	
3/4	2,249.22	3/4	1,889.34	3/4	1,529.40	3/4	1,169.52	3/4	809.92	3/4	450.00	3/4	90.27	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2013 SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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



BARGE "KIRBY 29070"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,322.53		4,144.23		3,955.65		3,762.76		3,569.88		3,287.81		2,930.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,318.93	1/4	4,140.41	1/4	3,951.63	1/4	3,758.75	1/4	3,565.86	1/4	3,280.37	1/4	2,922.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,315.34	1/2	4,136.59	1/2	3,947.61	1/2	3,754.73	1/2	3,561.84	1/2	3,272.94	1/2	2,915.28		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,311.74	3/4	4,132.75	3/4	3,943.59	3/4	3,750.71	3/4	3,557.83	3/4	3,265.50	3/4	2,907.82		
1	1	1	1	1	1	1	4,308.13	1	4,128.91	1	3,939.57	1	3,746.69	1	3,553.81	1	3,258.07	1	2,900.35		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,304.52	1/4	4,125.08	1/4	3,935.56	1/4	3,742.67	1/4	3,549.79	1/4	3,250.64	1/4	2,892.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,300.91	1/2	4,121.24	1/2	3,931.54	1/2	3,738.65	1/2	3,545.77	1/2	3,243.20	1/2	2,885.43		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,297.29	3/4	4,117.37	3/4	3,927.52	3/4	3,734.64	3/4	3,541.75	3/4	3,235.77	3/4	2,877.96		
2	2	2	2	2	2	2	4,293.67	2	4,113.51	2	3,923.50	2	3,730.62	2	3,537.73	2	3,228.33	2	2,870.49		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,290.04	1/4	4,109.64	1/4	3,919.48	1/4	3,726.60	1/4	3,533.72	1/4	3,220.90	1/4	2,863.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,286.42	1/2	4,105.77	1/2	3,915.46	1/2	3,722.58	1/2	3,529.70	1/2	3,213.46	1/2	2,855.56		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,282.78	3/4	4,101.89	3/4	3,911.45	3/4	3,718.56	3/4	3,525.68	3/4	3,206.03	3/4	2,848.09		
3	3	3	3	3	3	3	4,279.14	3	4,098.00	3	3,907.43	3	3,714.54	3	3,521.66	3	3,198.59	3	2,840.62		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,275.50	1/4	4,094.12	1/4	3,903.41	1/4	3,710.53	1/4	3,517.64	1/4	3,191.16	1/4	2,833.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,271.86	1/2	4,090.24	1/2	3,899.39	1/2	3,706.51	1/2	3,513.62	1/2	3,183.72	1/2	2,825.68		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,268.17	3/4	4,086.34	3/4	3,895.37	3/4	3,702.49	3/4	3,509.61	3/4	3,176.29	3/4	2,818.21		
4	4	4	4	4	4	4	4,264.47	4	4,082.44	4	3,891.35	4	3,698.47	4	3,505.59	4	3,168.86	4	2,810.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,260.78	1/4	4,078.54	1/4	3,887.34	1/4	3,694.45	1/4	3,501.57	1/4	3,161.42	1/4	2,803.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,257.08	1/2	4,074.64	1/2	3,883.32	1/2	3,690.43	1/2	3,497.55	1/2	3,153.99	1/2	2,795.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,253.37	3/4	4,070.73	3/4	3,879.30	3/4	3,686.42	3/4	3,493.53	3/4	3,146.55	3/4	2,788.34		
5	5	5	5	5	5	5	4,249.66	5	4,066.81	5	3,875.28	5	3,682.40	5	3,489.51	5	3,139.12	5	2,780.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,245.95	1/4	4,062.90	1/4	3,871.26	1/4	3,678.38	1/4	3,485.50	1/4	3,131.68	1/4	2,773.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,242.24	1/2	4,058.98	1/2	3,867.24	1/2	3,674.36	1/2	3,481.48	1/2	3,124.25	1/2	2,765.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,238.52	3/4	4,055.05	3/4	3,863.22	3/4	3,670.34	3/4	3,477.03	3/4	3,116.78	3/4	2,758.45		
6	6	6	6	6	6	6	4,234.79	6	4,051.12	6	3,859.21	6	3,666.32	6	3,466.58	6	3,109.31	6	2,750.97		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,231.07	1/4	4,047.19	1/4	3,855.19	1/4	3,662.30	1/4	3,459.13	1/4	3,101.84	1/4	2,743.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,381.53	1/2	4,227.34	1/2	4,043.26	1/2	3,851.17	1/2	3,658.29	1/2	3,451.68	1/2	3,094.37	1/2	2,736.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,380.67	3/4	4,223.60	3/4	4,039.31	3/4	3,847.15	3/4	3,654.27	3/4	3,444.23	3/4	3,086.90	3/4	2,728.52
7	7	7	7	7	7	7	4,379.82	7	4,219.86	7	4,035.36	7	3,843.13	7	3,650.25	7	3,436.78	7	3,079.44	7	2,721.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,378.96	1/4	4,216.12	1/4	4,031.42	1/4	3,839.11	1/4	3,646.23	1/4	3,429.33	1/4	3,071.97	1/4	2,713.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,378.11	1/2	4,212.37	1/2	4,027.47	1/2	3,835.10	1/2	3,642.21	1/2	3,421.88	1/2	3,064.50	1/2	2,706.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,376.02	3/4	4,208.62	3/4	4,023.51	3/4	3,831.08	3/4	3,638.19	3/4	3,414.43	3/4	3,057.04	3/4	2,698.59
8	8	8	8	8	8	8	4,373.92	8	4,204.86	8	4,019.54	8	3,827.06	8	3,634.18	8	3,406.98	8	3,049.58	8	2,691.11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,371.83	1/4	4,201.10	1/4	4,015.58	1/4	3,823.04	1/4	3,630.16	1/4	3,399.53	1/4	3,042.12	1/4	2,683.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,369.74	1/2	4,197.34	1/2	4,011.62	1/2	3,819.02	1/2	3,626.14	1/2	3,392.08	1/2	3,034.65	1/2	2,676.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,366.82	3/4	4,193.57	3/4	4,007.64	3/4	3,815.00	3/4	3,622.12	3/4	3,384.63	3/4	3,027.19	3/4	2,668.67
9	9	9	9	9	9	9	4,363.91	9	4,189.80	9	4,003.66	9	3,810.99	9	3,618.10	9	3,377.18	9	3,019.73	9	2,661.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,360.99	1/4	4,186.02	1/4	3,999.68	1/4	3,806.97	1/4	3,614.08	1/4	3,369.73	1/4	3,012.27	1/4	2,653.71
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,358.07	1/2	4,182.25	1/2	3,995.70	1/2	3,802.95	1/2	3,610.07	1/2	3,362.28	1/2	3,004.81	1/2	2,646.23
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,354.54	3/4	4,178.46	3/4	3,991.71	3/4	3,798.93	3/4	3,606.05	3/4	3,354.83	3/4	2,997.35	3/4	2,638.74
10	10	10	10	10	10	10	4,351.02	10	4,174.67	10	3,987.71	10	3,794.91	10	3,602.03	10	3,347.38	10	2,989.89	10	2,631.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,347.49	1/4	4,170.88	1/4	3,983.72	1/4	3,790.89	1/4	3,598.01	1/4	3,339.93	1/4	2,982.43	1/4	2,623.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,343.97	1/2	4,167.09	1/2	3,979.72	1/2	3,786.88	1/2	3,593.99	1/2	3,332.48	1/2	2,974.97	1/2	2,616.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,340.40	3/4	4,163.29	3/4	3,975.71	3/4	3,782.86	3/4	3,589.97	3/4	3,325.03	3/4	2,967.50	3/4	2,608.82
11	11	11	11	11	11	11	4,336.84	11	4,159.48	11	3,971.70	11	3,778.84	11	3,585.96	11	3,317.58	11	2,960.04	11	2,601.34
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,333.27	1/4	4,155.68	1/4	3,967.69	1/4	3,774.82	1/4	3,581.94	1/4	3,310.13	1/4	2,952.58	1/4	2,593.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,329.71	1/2	4,151.87	1/2	3,963.68	1/2	3,770.80	1/2	3,577.92	1/2	3,302.68	1/2	2,945.12	1/2	2,586.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,326.12	3/4	4,148.05	3/4	3,959.67	3/4	3,766.78	3/4	3,573.90	3/4	3,295.24	3/4	2,937.66	3/4	2,578.89

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 ULLAGE GAUGES TAKEN WITH HERMETIC CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 55'-00" 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 29070"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 303"

GAUGE HEIGHT 17'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,571.41	0	2,212.23	0	1,853.01	0	1,493.75	0	1,137.98	0	793.72	0	434.36	0	76.43	0		0	
1/4	2,563.93	1/4	2,204.75	1/4	1,845.53	1/4	1,486.27	1/4	1,130.83	1/4	786.23	1/4	426.87	1/4	69.58	1/4		1/4	
1/2	2,556.44	1/2	2,197.26	1/2	1,838.04	1/2	1,478.78	1/2	1,123.68	1/2	778.75	1/2	419.38	1/2	62.73	1/2		1/2	
3/4	2,548.96	3/4	2,189.78	3/4	1,830.56	3/4	1,471.36	3/4	1,116.53	3/4	771.26	3/4	411.90	3/4	57.12	3/4		3/4	
1	2,541.48	1	2,182.30	1	1,823.07	1	1,463.94	1	1,109.38	1	763.77	1	404.41	1	51.51	1		1	
1/4	2,533.99	1/4	2,174.82	1/4	1,815.59	1/4	1,456.51	1/4	1,102.24	1/4	756.29	1/4	396.92	1/4	45.90	1/4		1/4	
1/2	2,526.51	1/2	2,167.33	1/2	1,808.11	1/2	1,449.09	1/2	1,095.09	1/2	748.80	1/2	389.44	1/2	40.29	1/2		1/2	
3/4	2,519.03	3/4	2,159.85	3/4	1,800.62	3/4	1,441.67	3/4	1,087.94	3/4	741.31	3/4	381.95	3/4	35.91	3/4		3/4	
2	2,511.55	2	2,152.37	2	1,793.14	2	1,434.25	2	1,080.79	2	733.83	2	374.46	2	31.54	2		2	
1/4	2,504.06	1/4	2,144.88	1/4	1,785.65	1/4	1,426.82	1/4	1,073.64	1/4	726.34	1/4	366.98	1/4	27.17	1/4		1/4	
1/2	2,496.58	1/2	2,137.40	1/2	1,778.17	1/2	1,419.40	1/2	1,066.49	1/2	718.85	1/2	359.49	1/2	22.80	1/2		1/2	
3/4	2,489.10	3/4	2,129.92	3/4	1,770.68	3/4	1,411.98	3/4	1,059.34	3/4	711.37	3/4	352.00	3/4		3/4		3/4	
3	2,481.61	3	2,122.44	3	1,763.20	3	1,404.55	3	1,052.19	3	703.88	3	344.52	3		3		3	
1/4	2,474.13	1/4	2,114.95	1/4	1,755.71	1/4	1,397.13	1/4	1,045.04	1/4	696.39	1/4	337.03	1/4		1/4		1/4	
1/2	2,466.65	1/2	2,107.47	1/2	1,748.23	1/2	1,389.71	1/2	1,037.89	1/2	688.91	1/2	329.54	1/2		1/2		1/2	
3/4	2,459.17	3/4	2,099.99	3/4	1,740.74	3/4	1,382.29	3/4	1,030.74	3/4	681.42	3/4	322.06	3/4		3/4		3/4	
4	2,451.68	4	2,092.50	4	1,733.26	4	1,374.86	4	1,023.60	4	673.93	4	314.57	4		4		4	
1/4	2,444.20	1/4	2,085.02	1/4	1,725.78	1/4	1,367.44	1/4	1,016.45	1/4	666.45	1/4	307.08	1/4		1/4		1/4	
1/2	2,436.72	1/2	2,077.54	1/2	1,718.29	1/2	1,360.02	1/2	1,009.30	1/2	658.96	1/2	299.60	1/2		1/2		1/2	
3/4	2,429.23	3/4	2,070.05	3/4	1,710.81	3/4	1,352.59	3/4	1,002.15	3/4	651.47	3/4	292.11	3/4		3/4		3/4	
5	2,421.75	5	2,062.57	5	1,703.32	5	1,345.17	5	995.00	5	643.99	5	284.62	5		5		5	
1/4	2,414.27	1/4	2,055.09	1/4	1,695.84	1/4	1,337.75	1/4	987.85	1/4	636.50	1/4	277.14	1/4		1/4		1/4	
1/2	2,406.79	1/2	2,047.61	1/2	1,688.35	1/2	1,330.33	1/2	980.70	1/2	629.01	1/2	269.65	1/2		1/2		1/2	
3/4	2,399.30	3/4	2,040.12	3/4	1,680.87	3/4	1,322.90	3/4	973.55	3/4	621.53	3/4	262.16	3/4		3/4		3/4	
6	2,391.82	6	2,032.64	6	1,673.38	6	1,315.48	6	966.40	6	614.04	6	254.68	6		6		6	
1/4	2,384.34	1/4	2,025.16	1/4	1,665.90	1/4	1,308.06	1/4	959.25	1/4	606.55	1/4	247.19	1/4		1/4		1/4	
1/2	2,376.85	1/2	2,017.67	1/2	1,658.41	1/2	1,300.63	1/2	952.10	1/2	599.07	1/2	239.70	1/2		1/2		1/2	
3/4	2,369.37	3/4	2,010.19	3/4	1,650.93	3/4	1,293.21	3/4	944.96	3/4	591.58	3/4	232.22	3/4		3/4		3/4	
7	2,361.89	7	2,002.71	7	1,643.44	7	1,285.79	7	937.81	7	584.09	7	224.73	7		7		7	
1/4	2,354.40	1/4	1,995.22	1/4	1,635.96	1/4	1,278.36	1/4	930.66	1/4	576.61	1/4	217.24	1/4		1/4		1/4	
1/2	2,346.92	1/2	1,987.74	1/2	1,628.48	1/2	1,270.94	1/2	923.51	1/2	569.12	1/2	209.76	1/2		1/2		1/2	
3/4	2,339.44	3/4	1,980.25	3/4	1,620.99	3/4	1,263.52	3/4	916.36	3/4	561.63	3/4	202.27	3/4		3/4		3/4	
8	2,331.96	8	1,972.77	8	1,613.51	8	1,256.10	8	909.20	8	554.15	8	194.78	8		8		8	
1/4	2,324.47	1/4	1,965.28	1/4	1,606.02	1/4	1,248.67	1/4	902.05	1/4	546.66	1/4	187.30	1/4		1/4		1/4	
1/2	2,316.99	1/2	1,957.80	1/2	1,598.54	1/2	1,241.25	1/2	894.90	1/2	539.17	1/2	179.81	1/2		1/2		1/2	
3/4	2,309.51	3/4	1,950.31	3/4	1,591.05	3/4	1,233.84	3/4	887.73	3/4	531.68	3/4	172.32	3/4		3/4		3/4	
9	2,302.02	9	1,942.83	9	1,583.57	9	1,226.44	9	880.55	9	524.20	9	164.84	9		9		9	
1/4	2,294.54	1/4	1,935.34	1/4	1,576.08	1/4	1,219.03	1/4	873.38	1/4	516.71	1/4	157.35	1/4		1/4		1/4	
1/2	2,287.06	1/2	1,927.86	1/2	1,568.60	1/2	1,211.62	1/2	866.20	1/2	509.22	1/2	149.87	1/2		1/2		1/2	
3/4	2,279.58	3/4	1,920.37	3/4	1,561.11	3/4	1,204.22	3/4	859.03	3/4	501.74	3/4	142.39	3/4		3/4		3/4	
10	2,272.09	10	1,912.89	10	1,553.63	10	1,196.82	10	851.85	10	494.25	10	134.90	10		10		10	
1/4	2,264.61	1/4	1,905.41	1/4	1,546.14	1/4	1,189.41	1/4	844.68	1/4	486.76	1/4	127.42	1/4		1/4		1/4	
1/2	2,257.13	1/2	1,897.92	1/2	1,538.66	1/2	1,182.01	1/2	837.50	1/2	479.28	1/2	119.94	1/2		1/2		1/2	
3/4	2,249.64	3/4	1,890.44	3/4	1,531.18	3/4	1,174.58	3/4	830.30	3/4	471.79	3/4	112.49	3/4		3/4		3/4	
11	2,242.16	11	1,882.95	11	1,523.69	11	1,167.14	11	823.10	11	464.30	11	105.04	11		11		11	
1/4	2,234.68	1/4	1,875.47	1/4	1,516.21	1/4	1,159.71	1/4	815.90	1/4	456.82	1/4	97.58	1/4		1/4		1/4	
1/2	2,227.20	1/2	1,867.98	1/2	1,508.72	1/2	1,152.28	1/2	808.69	1/2	449.33	1/2	90.13	1/2		1/2		1/2	
3/4	2,219.71	3/4	1,860.50	3/4	1,501.24	3/4	1,145.13	3/4	801.21	3/4	441.84	3/4	83.28	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/14/2013 SW
NAME CHANGE: 06/05/2023 JS
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2023

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