



BARGE "KIRBY 27314"

ULLAGE TRIM TABLE
FORMERLY "CTCO 343"

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
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	- 00-1/4	00-1/4
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	- 00-1/4	00-1/4
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(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 2 PORT IS 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 234'-03"

September 18, 2023

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27314"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9 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	4,915.68	0	4,587.89	0	4,238.67	0	3,873.97	0	3,508.44	0	3,142.39	0	2,776.24		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,908.84	1/4	4,580.84	1/4	4,231.18	1/4	3,866.35	1/4	3,500.82	1/4	3,134.77	1/4	2,768.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,902.21	1/2	4,573.76	1/2	4,223.65	1/2	3,858.74	1/2	3,493.19	1/2	3,127.14	1/2	2,760.98		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,895.58	3/4	4,566.67	3/4	4,216.13	3/4	3,851.12	3/4	3,485.57	3/4	3,119.52	3/4	2,753.35		
1	1	1	1	1	1	1	4,888.96	1	4,559.59	1	4,208.60	1	3,843.51	1	3,477.94	1	3,111.89	1	2,745.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,882.33	1/4	4,552.51	1/4	4,201.07	1/4	3,835.89	1/4	3,470.32	1/4	3,104.26	1/4	2,738.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,875.67	1/2	4,545.39	1/2	4,193.51	1/2	3,828.28	1/2	3,462.69	1/2	3,096.64	1/2	2,730.46		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,869.01	3/4	4,538.27	3/4	4,185.95	3/4	3,820.67	3/4	3,455.06	3/4	3,089.01	3/4	2,722.83		
2	2	2	2	2	2	2	4,862.36	2	4,531.15	2	4,178.39	2	3,813.05	2	3,447.44	2	3,081.39	2	2,715.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,855.70	1/4	4,524.04	1/4	4,170.83	1/4	3,805.44	1/4	3,439.81	1/4	3,073.76	1/4	2,707.57		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,849.00	1/2	4,516.88	1/2	4,163.24	1/2	3,797.82	1/2	3,432.19	1/2	3,066.13	1/2	2,699.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,842.31	3/4	4,509.73	3/4	4,155.65	3/4	3,790.21	3/4	3,424.56	3/4	3,058.51	3/4	2,692.31		
3	3	3	3	3	3	3	4,835.61	3	4,502.58	3	4,148.05	3	3,782.59	3	3,416.93	3	3,050.88	3	2,684.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,828.91	1/4	4,495.43	1/4	4,140.46	1/4	3,774.98	1/4	3,409.31	1/4	3,043.25	1/4	2,677.05		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,822.18	1/2	4,488.25	1/2	4,132.85	1/2	3,767.36	1/2	3,401.68	1/2	3,035.63	1/2	2,669.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,815.45	3/4	4,481.06	3/4	4,125.24	3/4	3,759.75	3/4	3,394.06	3/4	3,028.00	3/4	2,661.79		
4	4	4	4	4	4	4	4,808.71	4	4,473.88	4	4,117.63	4	3,752.14	4	3,386.43	4	3,020.38	4	2,654.16		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,801.98	1/4	4,466.69	1/4	4,110.02	1/4	3,744.52	1/4	3,378.80	1/4	3,012.75	1/4	2,646.53		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,795.21	1/2	4,459.47	1/2	4,102.40	1/2	3,736.91	1/2	3,371.18	1/2	3,005.12	1/2	2,638.90		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,788.45	3/4	4,452.26	3/4	4,094.79	3/4	3,729.29	3/4	3,363.55	3/4	2,997.50	3/4	2,631.27		
5	5	5	5	5	5	5	4,781.68	5	4,445.04	5	4,087.17	5	3,721.68	5	3,355.92	5	2,989.87	5	2,623.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,774.91	1/4	4,437.82	1/4	4,079.56	1/4	3,714.06	1/4	3,348.30	1/4	2,982.25	1/4	2,616.01		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,768.11	1/2	4,430.56	1/2	4,071.94	1/2	3,706.45	1/2	3,340.67	1/2	2,974.62	1/2	2,608.38		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,761.31	3/4	4,423.30	3/4	4,064.33	3/4	3,698.83	3/4	3,333.05	3/4	2,966.99	3/4	2,600.75		
6	6	6	6	6	6	6	4,754.51	6	4,416.04	6	4,056.72	6	3,691.22	6	3,325.42	6	2,959.36	6	2,593.12		
1/4	1/4	1/4	5,082.03	1/4	4,747.71	1/4	4,408.78	1/4	4,049.10	1/4	3,683.60	1/4	3,317.79	1/4	2,951.74	1/4	2,585.49				
1/2	1/2	1/2	5,075.61	1/2	4,740.88	1/2	4,401.47	1/2	4,041.49	1/2	3,675.99	1/2	3,310.17	1/2	2,944.11	1/2	2,577.86				
3/4	3/4	3/4	5,069.20	3/4	4,734.05	3/4	4,394.16	3/4	4,033.87	3/4	3,668.38	3/4	3,302.54	3/4	2,936.48	3/4	2,570.23				
7	7	7	5,062.78	7	4,727.21	7	4,386.85	7	4,026.26	7	3,660.76	7	3,294.92	7	2,928.85	7	2,562.60				
1/4	1/4	1/4	5,056.36	1/4	4,720.38	1/4	4,379.54	1/4	4,018.64	1/4	3,653.15	1/4	3,287.29	1/4	2,921.21	1/4	2,554.97				
1/2	1/2	1/2	5,048.99	1/2	4,713.48	1/2	4,372.19	1/2	4,011.03	1/2	3,645.53	1/2	3,279.66	1/2	2,913.58	1/2	2,547.33				
3/4	3/4	3/4	5,041.63	3/4	4,706.59	3/4	4,364.84	3/4	4,003.41	3/4	3,637.92	3/4	3,272.04	3/4	2,905.95	3/4	2,539.70				
8	8	8	5,034.26	8	4,699.69	8	4,357.49	8	3,995.80	8	3,630.30	8	3,264.41	8	2,898.32	8	2,532.07				
1/4	1/4	1/4	5,026.89	1/4	4,692.79	1/4	4,350.14	1/4	3,988.18	1/4	3,622.69	1/4	3,256.79	1/4	2,890.69	1/4	2,524.44				
1/2	1/2	1/2	5,019.33	1/2	4,685.85	1/2	4,342.76	1/2	3,980.57	1/2	3,615.07	1/2	3,249.16	1/2	2,883.06	1/2	2,516.81				
3/4	3/4	3/4	5,011.77	3/4	4,678.91	3/4	4,335.38	3/4	3,972.96	3/4	3,607.46	3/4	3,241.53	3/4	2,875.43	3/4	2,509.18				
9	9	9	5,004.22	9	4,671.97	9	4,327.99	9	3,965.34	9	3,599.85	9	3,233.91	9	2,867.80	9	2,501.55				
1/4	1/4	1/4	4,996.66	1/4	4,665.03	1/4	4,320.61	1/4	3,957.73	1/4	3,592.23	1/4	3,226.28	1/4	2,860.17	1/4	2,493.92				
1/2	1/2	1/2	4,989.10	1/2	4,658.05	1/2	4,313.19	1/2	3,950.11	1/2	3,584.62	1/2	3,218.66	1/2	2,852.54	1/2	2,486.29				
3/4	3/4	3/4	4,981.54	3/4	4,651.07	3/4	4,305.78	3/4	3,942.50	3/4	3,577.00	3/4	3,211.03	3/4	2,844.91	3/4	2,478.66				
10	10	10	4,973.99	10	4,644.09	10	4,298.36	10	3,934.88	10	3,569.39	10	3,203.40	10	2,837.28	10	2,471.03				
1/4	1/4	1/4	4,966.43	1/4	4,637.11	1/4	4,290.94	1/4	3,927.27	1/4	3,561.77	1/4	3,195.78	1/4	2,829.65	1/4	2,463.40				
1/2	1/2	1/2	4,958.87	1/2	4,630.09	1/2	4,283.49	1/2	3,919.65	1/2	3,554.16	1/2	3,188.15	1/2	2,822.02	1/2	2,455.77				
3/4	3/4	3/4	4,951.32	3/4	4,623.07	3/4	4,276.04	3/4	3,912.04	3/4	3,546.54	3/4	3,180.52	3/4	2,814.39	3/4	2,448.14				
11	11	11	4,943.76	11	4,616.06	11	4,268.59	11	3,904.43	11	3,538.93	11	3,172.90	11	2,806.76	11	2,440.51				
1/4	1/4	1/4	4,936.20	1/4	4,609.04	1/4	4,261.14	1/4	3,896.81	1/4	3,531.31	1/4	3,165.27	1/4	2,799.13	1/4	2,432.88				
1/2	1/2	1/2	4,929.36	1/2	4,601.99	1/2	4,253.65	1/2	3,889.20	1/2	3,523.69	1/2	3,157.65	1/2	2,791.50	1/2	2,425.25				
3/4	3/4	3/4	4,922.52	3/4	4,594.94	3/4	4,246.16	3/4	3,881.58	3/4	3,516.07	3/4	3,150.02	3/4	2,783.87	3/4	2,417.62				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 27314"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9 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	2,409.99	0	2,043.74	0	1,683.63	0	1,317.32	0	952.09	0	586.90	0	240.72	0		0		0	
1/4	2,402.36	1/4	2,036.11	1/4	1,676.00	1/4	1,309.68	1/4	944.51	1/4	579.27	1/4	234.00	1/4	1/4	1/4		1/4	1/4
1/2	2,394.73	1/2	2,029.02	1/2	1,668.37	1/2	1,302.05	1/2	936.93	1/2	571.65	1/2	227.36	1/2	1/2	1/2		1/2	1/2
3/4	2,387.10	3/4	2,021.93	3/4	1,660.74	3/4	1,294.42	3/4	929.35	3/4	564.03	3/4	220.73	3/4	3/4	3/4		3/4	3/4
1	2,379.47	1	2,014.84	1	1,653.11	1	1,286.79	1	921.77	1	556.40	1	214.09	1	1	1		1	1
1/4	2,371.84	1/4	2,007.75	1/4	1,645.48	1/4	1,279.16	1/4	914.19	1/4	548.78	1/4	207.46	1/4	1/4	1/4		1/4	1/4
1/2	2,364.21	1/2	2,000.84	1/2	1,637.84	1/2	1,271.53	1/2	906.61	1/2	541.20	1/2	200.91	1/2	1/2	1/2		1/2	1/2
3/4	2,356.58	3/4	1,993.94	3/4	1,630.21	3/4	1,263.90	3/4	899.03	3/4	533.62	3/4	194.36	3/4	3/4	3/4		3/4	3/4
2	2,348.95	2	1,987.03	2	1,622.58	2	1,256.26	2	891.45	2	526.04	2	187.81	2	2	2		2	2
1/4	2,341.32	1/4	1,980.12	1/4	1,614.95	1/4	1,248.63	1/4	883.87	1/4	518.46	1/4	181.26	1/4	1/4	1/4		1/4	1/4
1/2	2,333.69	1/2	1,972.69	1/2	1,607.32	1/2	1,241.00	1/2	876.29	1/2	510.96	1/2	174.80	1/2	1/2	1/2		1/2	1/2
3/4	2,326.06	3/4	1,965.27	3/4	1,599.69	3/4	1,233.37	3/4	868.71	3/4	503.46	3/4	168.34	3/4	3/4	3/4		3/4	3/4
3	2,318.43	3	1,957.84	3	1,592.05	3	1,225.74	3	861.13	3	495.96	3	161.88	3	3	3		3	3
1/4	2,310.80	1/4	1,950.42	1/4	1,584.42	1/4	1,218.11	1/4	853.55	1/4	488.45	1/4	155.41	1/4	1/4	1/4		1/4	1/4
1/2	2,303.17	1/2	1,942.82	1/2	1,576.79	1/2	1,210.47	1/2	845.96	1/2	481.04	1/2	149.04	1/2	1/2	1/2		1/2	1/2
3/4	2,295.54	3/4	1,935.23	3/4	1,569.16	3/4	1,202.84	3/4	838.38	3/4	473.62	3/4	142.67	3/4	3/4	3/4		3/4	3/4
4	2,287.91	4	1,927.63	4	1,561.53	4	1,195.21	4	830.80	4	466.21	4	136.30	4	4	4		4	4
1/4	2,280.28	1/4	1,920.03	1/4	1,553.90	1/4	1,187.58	1/4	823.22	1/4	458.79	1/4	129.93	1/4	1/4	1/4		1/4	1/4
1/2	2,272.65	1/2	1,912.44	1/2	1,546.26	1/2	1,179.95	1/2	815.64	1/2	451.47	1/2	123.65	1/2	1/2	1/2		1/2	1/2
3/4	2,265.02	3/4	1,904.84	3/4	1,538.63	3/4	1,172.32	3/4	808.06	3/4	444.14	3/4	117.38	3/4	3/4	3/4		3/4	3/4
5	2,257.39	5	1,897.25	5	1,531.00	5	1,164.68	5	800.48	5	436.81	5	111.10	5	5	5		5	5
1/4	2,249.76	1/4	1,889.65	1/4	1,523.37	1/4	1,157.05	1/4	792.90	1/4	429.48	1/4	104.82	1/4	1/4	1/4		1/4	1/4
1/2	2,242.13	1/2	1,882.03	1/2	1,515.74	1/2	1,149.44	1/2	785.28	1/2	422.24	1/2	98.64	1/2	1/2	1/2		1/2	1/2
3/4	2,234.50	3/4	1,874.40	3/4	1,508.11	3/4	1,141.83	3/4	777.66	3/4	415.00	3/4	92.46	3/4	3/4	3/4		3/4	3/4
6	2,226.87	6	1,866.78	6	1,500.47	6	1,134.22	6	770.04	6	407.76	6	86.28	6	6	6		6	6
1/4	2,219.24	1/4	1,859.16	1/4	1,492.84	1/4	1,126.61	1/4	762.43	1/4	400.52	1/4	80.09	1/4	1/4	1/4		1/4	1/4
1/2	2,211.61	1/2	1,851.53	1/2	1,485.21	1/2	1,119.01	1/2	754.79	1/2	393.36	1/2	74.02	1/2	1/2	1/2		1/2	1/2
3/4	2,203.98	3/4	1,843.90	3/4	1,477.58	3/4	1,111.41	3/4	747.16	3/4	386.21	3/4	67.95	3/4	3/4	3/4		3/4	3/4
7	2,196.35	7	1,836.27	7	1,469.95	7	1,103.81	7	739.53	7	379.05	7	61.87	7	7	7		7	7
1/4	2,188.72	1/4	1,828.63	1/4	1,462.32	1/4	1,096.21	1/4	731.90	1/4	371.90	1/4	55.80	1/4	1/4	1/4		1/4	1/4
1/2	2,181.09	1/2	1,821.00	1/2	1,454.69	1/2	1,088.62	1/2	724.27	1/2	364.83	1/2	50.51	1/2	1/2	1/2		1/2	1/2
3/4	2,173.46	3/4	1,813.37	3/4	1,447.05	3/4	1,081.02	3/4	716.64	3/4	357.76	3/4	45.22	3/4	3/4	3/4		3/4	3/4
8	2,165.82	8	1,805.74	8	1,439.42	8	1,073.43	8	709.01	8	350.69	8	39.92	8	8	8		8	8
1/4	2,158.19	1/4	1,798.11	1/4	1,431.79	1/4	1,065.84	1/4	701.37	1/4	343.62	1/4	34.63	1/4	1/4	1/4		1/4	1/4
1/2	2,150.56	1/2	1,790.48	1/2	1,424.16	1/2	1,058.25	1/2	693.74	1/2	336.64	1/2	30.75	1/2	1/2	1/2		1/2	1/2
3/4	2,142.93	3/4	1,782.84	3/4	1,416.53	3/4	1,050.66	3/4	686.11	3/4	329.66	3/4	26.87	3/4	3/4	3/4		3/4	3/4
9	2,135.30	9	1,775.21	9	1,408.90	9	1,043.08	9	678.48	9	322.68	9	22.99	9	9	9		9	9
1/4	2,127.67	1/4	1,767.58	1/4	1,401.26	1/4	1,035.49	1/4	670.85	1/4	315.70	1/4	19.10	1/4	1/4	1/4		1/4	1/4
1/2	2,120.04	1/2	1,759.95	1/2	1,393.63	1/2	1,027.91	1/2	663.22	1/2	308.80	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,112.41	3/4	1,752.32	3/4	1,386.00	3/4	1,020.32	3/4	655.59	3/4	301.91	3/4		3/4	3/4	3/4		3/4	3/4
10	2,104.78	10	1,744.69	10	1,378.37	10	1,012.74	10	647.95	10	295.01	10		10	10	10		10	10
1/4	2,097.15	1/4	1,737.05	1/4	1,370.74	1/4	1,005.16	1/4	640.32	1/4	288.12	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,089.52	1/2	1,729.42	1/2	1,363.11	1/2	997.58	1/2	632.69	1/2	281.31	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,081.89	3/4	1,721.79	3/4	1,355.47	3/4	990.00	3/4	625.06	3/4	274.50	3/4		3/4	3/4	3/4		3/4	3/4
11	2,074.26	11	1,714.16	11	1,347.84	11	982.42	11	617.43	11	267.69	11		11	11	11		11	11
1/4	2,066.63	1/4	1,706.53	1/4	1,340.21	1/4	974.84	1/4	609.80	1/4	260.88	1/4		1/4	1/4	1/4		1/4	1/4
1/2	2,059.00	1/2	1,698.90	1/2	1,332.58	1/2	967.26	1/2	602.17	1/2	254.16	1/2		1/2	1/2	1/2		1/2	1/2
3/4	2,051.37	3/4	1,691.26	3/4	1,324.95	3/4	959.68	3/4	594.53	3/4	247.44	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 CL
NAME CHANGE: 09/18/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 27314"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9"

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	4,909.57	0	4,581.28	0	4,231.31	0	3,866.16	0	3,500.35	0	3,134.53	0	2,768.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,902.94	1/4	4,574.19	1/4	4,223.78	1/4	3,858.54	1/4	3,492.72	1/4	3,126.91	1/4	2,760.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,896.30	1/2	4,567.10	1/2	4,216.25	1/2	3,850.92	1/2	3,485.10	1/2	3,119.29	1/2	2,753.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,889.67	3/4	4,560.01	3/4	4,208.71	3/4	3,843.30	3/4	3,477.48	3/4	3,111.67	3/4	2,745.73
1	1	1	1	1	1	1	4,883.04	1	4,552.92	1	4,201.18	1	3,835.67	1	3,469.86	1	3,104.05	1	2,738.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,876.37	1/4	4,545.80	1/4	4,193.61	1/4	3,828.05	1/4	3,462.24	1/4	3,096.43	1/4	2,730.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,869.71	1/2	4,538.67	1/2	4,186.05	1/2	3,820.43	1/2	3,454.62	1/2	3,088.81	1/2	2,722.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,863.05	3/4	4,531.55	3/4	4,178.48	3/4	3,812.81	3/4	3,447.00	3/4	3,081.19	3/4	2,715.23
2	2	2	2	2	2	2	4,856.38	2	4,524.43	2	4,170.91	2	3,805.19	2	3,439.38	2	3,073.56	2	2,707.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,849.68	1/4	4,517.27	1/4	4,163.31	1/4	3,797.57	1/4	3,431.76	1/4	3,065.94	1/4	2,699.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,842.98	1/2	4,510.11	1/2	4,155.71	1/2	3,789.95	1/2	3,424.13	1/2	3,058.32	1/2	2,692.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,836.27	3/4	4,502.95	3/4	4,148.11	3/4	3,782.33	3/4	3,416.51	3/4	3,050.70	3/4	2,684.73
3	3	3	3	3	3	3	4,829.57	3	4,495.80	3	4,140.51	3	3,774.71	3	3,408.89	3	3,043.08	3	2,677.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,822.83	1/4	4,488.60	1/4	4,132.89	1/4	3,767.08	1/4	3,401.27	1/4	3,035.46	1/4	2,669.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,816.09	1/2	4,481.41	1/2	4,125.27	1/2	3,759.46	1/2	3,393.65	1/2	3,027.84	1/2	2,661.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,809.36	3/4	4,474.22	3/4	4,117.65	3/4	3,751.84	3/4	3,386.03	3/4	3,020.22	3/4	2,654.23
4	4	4	4	4	4	4	4,802.62	4	4,467.03	4	4,110.03	4	3,744.22	4	3,378.41	4	3,012.60	4	2,646.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,795.84	1/4	4,459.81	1/4	4,102.41	1/4	3,736.60	1/4	3,370.79	1/4	3,004.97	1/4	2,638.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,789.07	1/2	4,452.58	1/2	4,094.79	1/2	3,728.98	1/2	3,363.17	1/2	2,997.35	1/2	2,631.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,782.30	3/4	4,445.36	3/4	4,087.17	3/4	3,721.36	3/4	3,355.54	3/4	2,989.73	3/4	2,623.73
5	5	5	5	5	5	5	4,775.53	5	4,438.13	5	4,079.55	5	3,713.74	5	3,347.92	5	2,982.11	5	2,616.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,768.72	1/4	4,430.87	1/4	4,071.93	1/4	3,706.12	1/4	3,340.30	1/4	2,974.48	1/4	2,608.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,761.91	1/2	4,423.60	1/2	4,064.31	1/2	3,698.49	1/2	3,332.68	1/2	2,966.86	1/2	2,600.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,755.11	3/4	4,416.34	3/4	4,056.69	3/4	3,690.87	3/4	3,325.06	3/4	2,959.23	3/4	2,593.23
6	6	6	5,082.90	6	4,748.30	6	4,409.07	6	4,049.06	6	3,683.25	6	3,317.44	6	2,951.61	6	2,585.60		
1/4	1/4	1/4	5,076.48	1/4	4,741.46	1/4	4,401.76	1/4	4,041.44	1/4	3,675.63	1/4	3,309.82	1/4	2,943.98	1/4	2,577.98		
1/2	1/2	1/2	5,070.06	1/2	4,734.62	1/2	4,394.44	1/2	4,033.82	1/2	3,668.01	1/2	3,302.20	1/2	2,936.36	1/2	2,570.35		
3/4	3/4	3/4	5,063.64	3/4	4,727.78	3/4	4,387.12	3/4	4,026.20	3/4	3,660.39	3/4	3,294.58	3/4	2,928.73	3/4	2,562.73		
7	7	7	5,057.22	7	4,720.94	7	4,379.80	7	4,018.58	7	3,652.77	7	3,286.95	7	2,921.10	7	2,555.10		
1/4	1/4	1/4	5,049.85	1/4	4,714.04	1/4	4,372.45	1/4	4,010.96	1/4	3,645.15	1/4	3,279.33	1/4	2,913.48	1/4	2,547.47		
1/2	1/2	1/2	5,042.47	1/2	4,707.14	1/2	4,365.09	1/2	4,003.34	1/2	3,637.53	1/2	3,271.71	1/2	2,905.85	1/2	2,539.85		
3/4	3/4	3/4	5,035.10	3/4	4,700.23	3/4	4,357.74	3/4	3,995.72	3/4	3,629.90	3/4	3,264.09	3/4	2,898.23	3/4	2,532.22		
8	8	8	5,027.72	8	4,693.33	8	4,350.38	8	3,988.10	8	3,622.28	8	3,256.47	8	2,890.60	8	2,524.60		
1/4	1/4	1/4	5,020.16	1/4	4,686.38	1/4	4,342.99	1/4	3,980.47	1/4	3,614.66	1/4	3,248.85	1/4	2,882.98	1/4	2,516.97		
1/2	1/2	1/2	5,012.60	1/2	4,679.44	1/2	4,335.60	1/2	3,972.85	1/2	3,607.04	1/2	3,241.23	1/2	2,875.35	1/2	2,509.35		
3/4	3/4	3/4	5,005.03	3/4	4,672.49	3/4	4,328.21	3/4	3,965.23	3/4	3,599.42	3/4	3,233.61	3/4	2,867.73	3/4	2,501.72		
9	9	9	4,997.47	9	4,665.54	9	4,320.82	9	3,957.61	9	3,591.80	9	3,225.99	9	2,860.10	9	2,494.10		
1/4	1/4	1/4	4,989.90	1/4	4,658.56	1/4	4,313.40	1/4	3,949.99	1/4	3,584.18	1/4	3,218.36	1/4	2,852.48	1/4	2,486.47		
1/2	1/2	1/2	4,982.34	1/2	4,651.57	1/2	4,305.98	1/2	3,942.37	1/2	3,576.56	1/2	3,210.74	1/2	2,844.85	1/2	2,478.85		
3/4	3/4	3/4	4,974.78	3/4	4,644.58	3/4	4,298.55	3/4	3,934.75	3/4	3,568.94	3/4	3,203.12	3/4	2,837.23	3/4	2,471.22		
10	10	10	4,967.21	10	4,637.60	10	4,291.13	10	3,927.13	10	3,561.31	10	3,195.50	10	2,829.60	10	2,463.60		
1/4	1/4	1/4	4,959.65	1/4	4,630.57	1/4	4,283.67	1/4	3,919.51	1/4	3,553.69	1/4	3,187.88	1/4	2,821.98	1/4	2,455.97		
1/2	1/2	1/2	4,952.08	1/2	4,623.55	1/2	4,276.21	1/2	3,911.89	1/2	3,546.07	1/2	3,180.26	1/2	2,814.35	1/2	2,448.35		
3/4	3/4	3/4	4,944.52	3/4	4,616.53	3/4	4,268.76	3/4	3,904.26	3/4	3,538.45	3/4	3,172.64	3/4	2,806.73	3/4	2,440.72		
11	11	11	4,936.96	11	4,609.51	11	4,261.30	11	3,896.64	11	3,530.83	11	3,165.02	11	2,799.10	11	2,433.10		
1/4	1/4	1/4	4,930.11	1/4	4,602.45	1/4	4,253.80	1/4	3,889.02	1/4	3,523.21	1/4	3,157.40	1/4	2,791.48	1/4	2,425.47		
1/2	1/2	1/2	4,923.26	1/2	4,595.39	1/2	4,246.31	1/2	3,881.40	1/2	3,515.59	1/2	3,149.78	1/2	2,783.85	1/2	2,417.85		
3/4	3/4	3/4	4,916.42	3/4	4,588.34	3/4	4,238.81	3/4	3,873.78	3/4	3,507.97	3/4	3,142.15	3/4	2,776.23	3/4	2,410.22		

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 GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-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 27314"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,402.60	0	2,036.59	0	1,676.73	0	1,310.65	0	944.78	0	578.99	0	234.03	0		0		0	
1/4	2,394.97	1/4	2,029.51	1/4	1,669.10	1/4	1,303.02	1/4	937.16	1/4	571.38	1/4	227.40	1/4	1/4	1/4		1/4	
1/2	2,387.35	1/2	2,022.42	1/2	1,661.48	1/2	1,295.40	1/2	929.55	1/2	563.77	1/2	220.77	1/2	1/2	1/2		1/2	
3/4	2,379.72	3/4	2,015.34	3/4	1,653.85	3/4	1,287.77	3/4	921.94	3/4	556.16	3/4	214.14	3/4	3/4	3/4		3/4	
1	2,372.10	1	2,008.26	1	1,646.22	1	1,280.14	1	914.32	1	548.54	1	207.51	1	1	1		1	
1/4	2,364.47	1/4	2,001.35	1/4	1,638.60	1/4	1,272.52	1/4	906.71	1/4	540.98	1/4	200.97	1/4	1/4	1/4		1/4	
1/2	2,356.85	1/2	1,994.45	1/2	1,630.97	1/2	1,264.89	1/2	899.10	1/2	533.41	1/2	194.42	1/2	1/2	1/2		1/2	
3/4	2,349.22	3/4	1,987.54	3/4	1,623.34	3/4	1,257.26	3/4	891.49	3/4	525.84	3/4	187.88	3/4	3/4	3/4		3/4	
2	2,341.60	2	1,980.64	2	1,615.72	2	1,249.64	2	883.87	2	518.27	2	181.34	2	2	2		2	
1/4	2,333.97	1/4	1,973.22	1/4	1,608.09	1/4	1,242.01	1/4	876.26	1/4	510.78	1/4	174.88	1/4	1/4	1/4		1/4	
1/2	2,326.35	1/2	1,965.80	1/2	1,600.46	1/2	1,234.38	1/2	868.65	1/2	503.28	1/2	168.43	1/2	1/2	1/2		1/2	
3/4	2,318.72	3/4	1,958.38	3/4	1,592.84	3/4	1,226.76	3/4	861.03	3/4	495.79	3/4	161.97	3/4	3/4	3/4		3/4	
3	2,311.10	3	1,950.96	3	1,585.21	3	1,219.13	3	853.42	3	488.30	3	155.51	3	3	3		3	
1/4	2,303.47	1/4	1,943.37	1/4	1,577.58	1/4	1,211.50	1/4	845.81	1/4	480.89	1/4	149.14	1/4	1/4	1/4		1/4	
1/2	2,295.85	1/2	1,935.78	1/2	1,569.96	1/2	1,203.88	1/2	838.20	1/2	473.48	1/2	142.77	1/2	1/2	1/2		1/2	
3/4	2,288.22	3/4	1,928.19	3/4	1,562.33	3/4	1,196.25	3/4	830.58	3/4	466.07	3/4	136.41	3/4	3/4	3/4		3/4	
4	2,280.60	4	1,920.60	4	1,554.70	4	1,188.62	4	822.97	4	458.66	4	130.04	4	4	4		4	
1/4	2,272.97	1/4	1,913.01	1/4	1,547.08	1/4	1,181.00	1/4	815.36	1/4	451.33	1/4	123.75	1/4	1/4	1/4		1/4	
1/2	2,265.35	1/2	1,905.42	1/2	1,539.45	1/2	1,173.37	1/2	807.74	1/2	444.01	1/2	117.47	1/2	1/2	1/2		1/2	
3/4	2,257.72	3/4	1,897.83	3/4	1,531.82	3/4	1,165.74	3/4	800.13	3/4	436.69	3/4	111.19	3/4	3/4	3/4		3/4	
5	2,250.10	5	1,890.24	5	1,524.20	5	1,158.12	5	792.52	5	429.36	5	104.91	5	5	5		5	
1/4	2,242.47	1/4	1,882.62	1/4	1,516.57	1/4	1,150.49	1/4	784.90	1/4	422.13	1/4	98.72	1/4	1/4	1/4		1/4	
1/2	2,234.85	1/2	1,875.00	1/2	1,508.94	1/2	1,142.86	1/2	777.27	1/2	414.89	1/2	92.53	1/2	1/2	1/2		1/2	
3/4	2,227.22	3/4	1,867.39	3/4	1,501.32	3/4	1,135.24	3/4	769.65	3/4	407.65	3/4	86.35	3/4	3/4	3/4		3/4	
6	2,219.60	6	1,859.77	6	1,493.69	6	1,127.61	6	762.03	6	400.42	6	80.16	6	6	6		6	
1/4	2,211.97	1/4	1,852.14	1/4	1,486.06	1/4	1,119.98	1/4	754.40	1/4	393.27	1/4	74.08	1/4	1/4	1/4		1/4	
1/2	2,204.35	1/2	1,844.52	1/2	1,478.44	1/2	1,112.35	1/2	746.77	1/2	386.12	1/2	68.00	1/2	1/2	1/2		1/2	
3/4	2,196.72	3/4	1,836.89	3/4	1,470.81	3/4	1,104.73	3/4	739.15	3/4	378.97	3/4	61.92	3/4	3/4	3/4		3/4	
7	2,189.10	7	1,829.26	7	1,463.18	7	1,097.10	7	731.52	7	371.82	7	55.84	7	7	7		7	
1/4	2,181.47	1/4	1,821.64	1/4	1,455.56	1/4	1,089.48	1/4	723.89	1/4	364.76	1/4	50.55	1/4	1/4	1/4		1/4	
1/2	2,173.85	1/2	1,814.01	1/2	1,447.93	1/2	1,081.86	1/2	716.27	1/2	357.69	1/2	45.25	1/2	1/2	1/2		1/2	
3/4	2,166.22	3/4	1,806.38	3/4	1,440.30	3/4	1,074.24	3/4	708.64	3/4	350.63	3/4	39.95	3/4	3/4	3/4		3/4	
8	2,158.59	8	1,798.76	8	1,432.68	8	1,066.62	8	701.01	8	343.57	8	34.65	8	8	8		8	
1/4	2,150.97	1/4	1,791.13	1/4	1,425.05	1/4	1,058.99	1/4	693.39	1/4	336.59	1/4	30.77	1/4	1/4	1/4		1/4	
1/2	2,143.34	1/2	1,783.50	1/2	1,417.42	1/2	1,051.37	1/2	685.76	1/2	329.61	1/2	26.88	1/2	1/2	1/2		1/2	
3/4	2,135.72	3/4	1,775.88	3/4	1,409.80	3/4	1,043.75	3/4	678.14	3/4	322.64	3/4	23.00	3/4	3/4	3/4		3/4	
9	2,128.09	9	1,768.25	9	1,402.17	9	1,036.13	9	670.51	9	315.66	9	19.12	9	9	9		9	
1/4	2,120.47	1/4	1,760.62	1/4	1,394.54	1/4	1,028.52	1/4	662.88	1/4	308.77	1/4		1/4	1/4	1/4		1/4	
1/2	2,112.84	1/2	1,753.00	1/2	1,386.92	1/2	1,020.91	1/2	655.26	1/2	301.88	1/2		1/2	1/2	1/2		1/2	
3/4	2,105.22	3/4	1,745.37	3/4	1,379.29	3/4	1,013.29	3/4	647.63	3/4	294.99	3/4		3/4	3/4	3/4		3/4	
10	2,097.59	10	1,737.74	10	1,371.66	10	1,005.68	10	640.00	10	288.10	10		10	10	10		10	
1/4	2,089.97	1/4	1,730.12	1/4	1,364.04	1/4	998.06	1/4	632.38	1/4	281.30	1/4		1/4	1/4	1/4		1/4	
1/2	2,082.34	1/2	1,722.49	1/2	1,356.41	1/2	990.45	1/2	624.75	1/2	274.50	1/2		1/2	1/2	1/2		1/2	
3/4	2,074.72	3/4	1,714.86	3/4	1,348.78	3/4	982.84	3/4	617.13	3/4	267.70	3/4		3/4	3/4	3/4		3/4	
11	2,067.09	11	1,707.24	11	1,341.16	11	975.23	11	609.50	11	260.89	11		11	11	11		11	
1/4	2,059.47	1/4	1,699.61	1/4	1,333.53	1/4	967.61	1/4	601.87	1/4	254.18	1/4		1/4	1/4	1/4		1/4	
1/2	2,051.84	1/2	1,691.98	1/2	1,325.90	1/2	960.00	1/2	594.25	1/2	247.46	1/2		1/2	1/2	1/2		1/2	
3/4	2,044.22	3/4	1,684.36	3/4	1,318.28	3/4	952.39	3/4	586.62	3/4	240.74	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 CL
NAME CHANGE: 09/18/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 27314"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9 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		
1/4		1/4		1/4		1/4	4,663.13	1/4	4,355.51	1/4	4,027.67	1/4	3,685.25	1/4	3,342.09	1/4	2,998.93	1/4	2,655.66		
1/2		1/2		1/2		1/2	4,656.71	1/2	4,348.90	1/2	4,020.64	1/2	3,678.10	1/2	3,334.94	1/2	2,991.78	1/2	2,648.51		
3/4		3/4		3/4		3/4	4,650.49	3/4	4,342.25	3/4	4,013.57	3/4	3,670.95	3/4	3,327.79	3/4	2,984.63	3/4	2,641.36		
1	1	1	1	1	1	1	4,644.27	1	4,335.60	1	4,006.51	1	3,663.80	1	3,320.64	1	2,977.48	1	2,634.20		
1/4		1/4		1/4		1/4	4,638.05	1/4	4,328.95	1/4	3,999.44	1/4	3,656.65	1/4	3,313.49	1/4	2,970.33	1/4	2,627.05		
1/2		1/2		1/2		1/2	4,631.84	1/2	4,322.30	1/2	3,992.37	1/2	3,649.50	1/2	3,306.34	1/2	2,963.18	1/2	2,619.90		
3/4		3/4		3/4		3/4	4,625.59	3/4	4,315.62	3/4	3,985.28	3/4	3,642.35	3/4	3,299.19	3/4	2,956.03	3/4	2,612.74		
2	2	2	2	2	2	2	4,619.34	2	4,308.94	2	3,978.18	2	3,635.20	2	3,292.04	2	2,948.88	2	2,605.59		
1/4		1/4		1/4		1/4	4,613.10	1/4	4,302.26	1/4	3,971.08	1/4	3,628.05	1/4	3,284.89	1/4	2,941.73	1/4	2,598.44		
1/2		1/2		1/2		1/2	4,606.85	1/2	4,295.58	1/2	3,963.98	1/2	3,620.91	1/2	3,277.74	1/2	2,934.58	1/2	2,591.28		
3/4		3/4		3/4		3/4	4,600.56	3/4	4,288.86	3/4	3,956.85	3/4	3,613.76	3/4	3,270.59	3/4	2,927.43	3/4	2,584.13		
3	3	3	3	3	3	3	4,594.28	3	4,282.15	3	3,949.72	3	3,606.61	3	3,263.45	3	2,920.28	3	2,576.98		
1/4		1/4		1/4		1/4	4,588.00	1/4	4,275.44	1/4	3,942.59	1/4	3,599.46	1/4	3,256.30	1/4	2,913.13	1/4	2,569.82		
1/2		1/2		1/2		1/2	4,581.71	1/2	4,268.72	1/2	3,935.46	1/2	3,592.31	1/2	3,249.15	1/2	2,905.99	1/2	2,562.67		
3/4		3/4		3/4		3/4	4,575.40	3/4	4,261.98	3/4	3,928.32	3/4	3,585.16	3/4	3,242.00	3/4	2,898.84	3/4	2,555.52		
4	4	4	4	4	4	4	4,569.08	4	4,255.24	4	3,921.17	4	3,578.01	4	3,234.85	4	2,891.69	4	2,548.36		
1/4		1/4		1/4		1/4	4,562.76	1/4	4,248.49	1/4	3,914.02	1/4	3,570.86	1/4	3,227.70	1/4	2,884.54	1/4	2,541.21		
1/2		1/2		1/2		1/2	4,556.44	1/2	4,241.75	1/2	3,906.87	1/2	3,563.71	1/2	3,220.55	1/2	2,877.39	1/2	2,534.06		
3/4		3/4		3/4		3/4	4,550.10	3/4	4,234.97	3/4	3,899.72	3/4	3,556.56	3/4	3,213.40	3/4	2,870.24	3/4	2,526.90		
5	5	5	5	5	5	5	4,543.75	5	4,228.20	5	3,892.58	5	3,549.41	5	3,206.25	5	2,863.09	5	2,519.75		
1/4		1/4		1/4		1/4	4,537.40	1/4	4,221.42	1/4	3,885.43	1/4	3,542.26	1/4	3,199.10	1/4	2,855.94	1/4	2,512.60		
1/2		1/2		1/2		1/2	4,531.05	1/2	4,214.64	1/2	3,878.28	1/2	3,535.12	1/2	3,191.95	1/2	2,848.79	1/2	2,505.44		
3/4		3/4		3/4		3/4	4,524.67	3/4	4,207.83	3/4	3,871.13	3/4	3,527.97	3/4	3,184.80	3/4	2,841.64	3/4	2,498.29		
6	6	6	6	6	6	6	4,518.29	6	4,201.02	6	3,863.98	6	3,520.82	6	3,177.66	6	2,834.49	6	2,491.14		
1/4		1/4		1/4		1/4	4,511.91	1/4	4,194.20	1/4	3,856.83	1/4	3,513.67	1/4	3,170.51	1/4	2,827.34	1/4	2,483.98		
1/2		1/2		1/2	4,819.23	1/2	4,505.53	1/2	4,187.39	1/2	3,849.68	1/2	3,506.52	1/2	3,163.36	1/2	2,820.19	1/2	2,476.83		
3/4		3/4		3/4	4,813.21	3/4	4,499.11	3/4	4,180.53	3/4	3,842.53	3/4	3,499.37	3/4	3,156.21	3/4	2,813.04	3/4	2,469.68		
7	7	7	7	7	7	7	4,807.19	7	4,492.70	7	4,173.66	7	3,835.38	7	3,492.22	7	3,149.06	7	2,805.88	7	2,462.52
1/4		1/4		1/4	4,801.17	1/4	4,486.29	1/4	4,166.80	1/4	3,828.23	1/4	3,485.07	1/4	3,141.91	1/4	2,798.73	1/4	2,455.37		
1/2		1/2		1/2	4,795.15	1/2	4,479.88	1/2	4,159.94	1/2	3,821.08	1/2	3,477.92	1/2	3,134.76	1/2	2,791.58	1/2	2,448.22		
3/4		3/4		3/4	4,788.23	3/4	4,473.40	3/4	4,153.03	3/4	3,813.93	3/4	3,470.77	3/4	3,127.61	3/4	2,784.42	3/4	2,441.06		
8	8	8	8	8	8	8	4,781.32	8	4,466.93	8	4,146.13	8	3,806.78	8	3,463.62	8	3,120.46	8	2,777.27	8	2,433.91
1/4		1/4		1/4	4,774.40	1/4	4,460.46	1/4	4,139.23	1/4	3,799.64	1/4	3,456.47	1/4	3,113.31	1/4	2,770.12	1/4	2,426.76		
1/2		1/2		1/2	4,767.49	1/2	4,453.98	1/2	4,132.33	1/2	3,792.49	1/2	3,449.32	1/2	3,106.16	1/2	2,762.96	1/2	2,419.60		
3/4		3/4		3/4	4,760.40	3/4	4,447.47	3/4	4,125.40	3/4	3,785.34	3/4	3,442.18	3/4	3,099.01	3/4	2,755.81	3/4	2,412.45		
9	9	9	9	9	9	9	4,753.31	9	4,440.95	9	4,118.47	9	3,778.19	9	3,435.03	9	3,091.86	9	2,748.66	9	2,405.30
1/4		1/4		1/4	4,746.21	1/4	4,434.44	1/4	4,111.54	1/4	3,771.04	1/4	3,427.88	1/4	3,084.72	1/4	2,741.50	1/4	2,398.14		
1/2		1/2		1/2	4,739.12	1/2	4,427.92	1/2	4,104.61	1/2	3,763.89	1/2	3,420.73	1/2	3,077.57	1/2	2,734.35	1/2	2,390.99		
3/4		3/4		3/4	4,732.03	3/4	4,421.37	3/4	4,097.64	3/4	3,756.74	3/4	3,413.58	3/4	3,070.42	3/4	2,727.20	3/4	2,383.84		
10	10	10	10	10	10	10	4,724.94	10	4,414.82	10	4,090.68	10	3,749.59	10	3,406.43	10	3,063.27	10	2,720.04	10	2,376.68
1/4		1/4		1/4	4,717.85	1/4	4,408.27	1/4	4,083.72	1/4	3,742.44	1/4	3,399.28	1/4	3,056.12	1/4	2,712.89	1/4	2,369.53		
1/2		1/2		1/2	4,710.75	1/2	4,401.71	1/2	4,076.75	1/2	3,735.29	1/2	3,392.13	1/2	3,048.97	1/2	2,705.74	1/2	2,362.38		
3/4		3/4		3/4	4,703.66	3/4	4,395.13	3/4	4,069.76	3/4	3,728.14	3/4	3,384.98	3/4	3,041.82	3/4	2,698.58	3/4	2,355.22		
11	11	11	11	11	11	11	4,696.57	11	4,388.54	11	4,062.76	11	3,720.99	11	3,377.83	11	3,034.67	11	2,691.43	11	2,348.07
1/4		1/4		1/4	4,689.48	1/4	4,381.96	1/4	4,055.77	1/4	3,713.85	1/4	3,370.68	1/4	3,027.52	1/4	2,684.28	1/4	2,340.92		
1/2		1/2		1/2	4,682.39	1/2	4,375.37	1/2	4,048.77	1/2	3,706.70	1/2	3,363.53	1/2	3,020.37	1/2	2,677.12	1/2	2,333.76		
3/4		3/4		3/4	4,675.97	3/4	4,368.75	3/4	4,041.74	3/4	3,699.55	3/4	3,356.39	3/4	3,013.22	3/4	2,669.97	3/4	2,326.61		

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 GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-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 27314"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9 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	2,319.46	0	1,976.10	0	1,638.53	0	1,295.11	0	959.05	0	622.62	0	279.20	0		0		0	
1/4	2,312.30	1/4	1,968.95	1/4	1,631.38	1/4	1,287.95	1/4	952.20	1/4	615.46	1/4	272.05	1/4	1/4		1/4		1/4
1/2	2,305.15	1/2	1,961.79	1/2	1,624.22	1/2	1,280.80	1/2	945.35	1/2	608.31	1/2	264.89	1/2	1/2		1/2		1/2
3/4	2,298.00	3/4	1,955.15	3/4	1,617.07	3/4	1,273.64	3/4	938.49	3/4	601.15	3/4	257.74	3/4	3/4		3/4		3/4
1	2,290.84	1	1,948.50	1	1,609.91	1	1,266.49	1	931.64	1	594.00	1	250.58	1	1		1		1
1/4	2,283.69	1/4	1,941.86	1/4	1,602.76	1/4	1,259.33	1/4	924.79	1/4	586.84	1/4	243.43	1/4	1/4		1/4		1/4
1/2	2,276.54	1/2	1,935.21	1/2	1,595.60	1/2	1,252.18	1/2	917.94	1/2	579.69	1/2	236.27	1/2	1/2		1/2		1/2
3/4	2,269.38	3/4	1,928.73	3/4	1,588.45	3/4	1,245.02	3/4	911.09	3/4	572.54	3/4	229.12	3/4	3/4		3/4		3/4
2	2,262.23	2	1,922.26	2	1,581.29	2	1,237.87	2	904.24	2	565.38	2	221.96	2	2		2		2
1/4	2,255.08	1/4	1,915.78	1/4	1,574.14	1/4	1,230.71	1/4	897.39	1/4	558.23	1/4	214.81	1/4	1/4		1/4		1/4
1/2	2,247.92	1/2	1,909.31	1/2	1,566.98	1/2	1,223.56	1/2	890.54	1/2	551.07	1/2	207.66	1/2	1/2		1/2		1/2
3/4	2,240.77	3/4	1,902.35	3/4	1,559.83	3/4	1,216.40	3/4	883.69	3/4	543.92	3/4	200.50	3/4	3/4		3/4		3/4
3	2,233.62	3	1,895.39	3	1,552.68	3	1,209.25	3	876.84	3	536.76	3	193.35	3	3		3		3
1/4	2,226.46	1/4	1,888.43	1/4	1,545.52	1/4	1,202.09	1/4	869.99	1/4	529.61	1/4	186.19	1/4	1/4		1/4		1/4
1/2	2,219.31	1/2	1,881.47	1/2	1,538.37	1/2	1,194.94	1/2	863.13	1/2	522.45	1/2	179.04	1/2	1/2		1/2		1/2
3/4	2,212.16	3/4	1,874.35	3/4	1,531.21	3/4	1,187.79	3/4	856.28	3/4	515.30	3/4	171.88	3/4	3/4		3/4		3/4
4	2,205.00	4	1,867.23	4	1,524.06	4	1,180.63	4	849.43	4	508.14	4	164.73	4	4		4		4
1/4	2,197.85	1/4	1,860.11	1/4	1,516.90	1/4	1,173.48	1/4	842.58	1/4	500.99	1/4	157.57	1/4	1/4		1/4		1/4
1/2	2,190.70	1/2	1,853.00	1/2	1,509.75	1/2	1,166.32	1/2	835.73	1/2	493.84	1/2	150.42	1/2	1/2		1/2		1/2
3/4	2,183.54	3/4	1,845.88	3/4	1,502.59	3/4	1,159.17	3/4	828.88	3/4	486.68	3/4	143.27	3/4	3/4		3/4		3/4
5	2,176.39	5	1,838.76	5	1,495.44	5	1,152.01	5	822.03	5	479.53	5	136.11	5	5		5		5
1/4	2,169.24	1/4	1,831.64	1/4	1,488.28	1/4	1,144.86	1/4	815.18	1/4	472.37	1/4	128.96	1/4	1/4		1/4		1/4
1/2	2,162.08	1/2	1,824.52	1/2	1,481.13	1/2	1,137.70	1/2	808.33	1/2	465.22	1/2	121.81	1/2	1/2		1/2		1/2
3/4	2,154.93	3/4	1,817.37	3/4	1,473.97	3/4	1,130.76	3/4	801.25	3/4	458.06	3/4	114.66	3/4	3/4		3/4		3/4
6	2,147.78	6	1,810.23	6	1,466.82	6	1,123.82	6	794.17	6	450.91	6	107.51	6	6		6		6
1/4	2,140.62	1/4	1,803.08	1/4	1,459.66	1/4	1,116.87	1/4	787.09	1/4	443.75	1/4	100.37	1/4	1/4		1/4		1/4
1/2	2,133.47	1/2	1,795.93	1/2	1,452.51	1/2	1,109.93	1/2	780.02	1/2	436.60	1/2	93.22	1/2	1/2		1/2		1/2
3/4	2,126.32	3/4	1,788.78	3/4	1,445.35	3/4	1,103.06	3/4	772.86	3/4	429.45	3/4	86.09	3/4	3/4		3/4		3/4
7	2,119.17	7	1,781.63	7	1,438.20	7	1,096.19	7	765.71	7	422.29	7	78.97	7	7		7		7
1/4	2,112.01	1/4	1,774.47	1/4	1,431.05	1/4	1,089.31	1/4	758.55	1/4	415.14	1/4	71.84	1/4	1/4		1/4		1/4
1/2	2,104.86	1/2	1,767.32	1/2	1,423.89	1/2	1,082.44	1/2	751.40	1/2	407.98	1/2	64.72	1/2	1/2		1/2		1/2
3/4	2,097.71	3/4	1,760.16	3/4	1,416.74	3/4	1,075.58	3/4	744.24	3/4	400.83	3/4	58.24	3/4	3/4		3/4		3/4
8	2,090.55	8	1,753.01	8	1,409.58	8	1,068.72	8	737.09	8	393.67	8	51.77	8	8		8		8
1/4	2,083.40	1/4	1,745.85	1/4	1,402.43	1/4	1,061.86	1/4	729.93	1/4	386.52	1/4	45.29	1/4	1/4		1/4		1/4
1/2	2,076.25	1/2	1,738.70	1/2	1,395.27	1/2	1,055.00	1/2	722.78	1/2	379.36	1/2	38.82	1/2	1/2		1/2		1/2
3/4	2,069.09	3/4	1,731.54	3/4	1,388.12	3/4	1,048.14	3/4	715.63	3/4	372.21	3/4	33.90	3/4	3/4		3/4		3/4
9	2,061.94	9	1,724.39	9	1,380.96	9	1,041.28	9	708.47	9	365.05	9	28.98	9	9		9		9
1/4	2,054.79	1/4	1,717.23	1/4	1,373.81	1/4	1,034.42	1/4	701.32	1/4	357.90	1/4	24.07	1/4	1/4		1/4		1/4
1/2	2,047.63	1/2	1,710.08	1/2	1,366.65	1/2	1,027.56	1/2	694.16	1/2	350.75	1/2	19.15	1/2	1/2		1/2		1/2
3/4	2,040.48	3/4	1,702.92	3/4	1,359.50	3/4	1,020.71	3/4	687.01	3/4	343.59	3/4		3/4	3/4		3/4		3/4
10	2,033.33	10	1,695.77	10	1,352.34	10	1,013.86	10	679.85	10	336.44	10		10	10		10		10
1/4	2,026.17	1/4	1,688.61	1/4	1,345.19	1/4	1,007.01	1/4	672.70	1/4	329.28	1/4		1/4	1/4		1/4		1/4
1/2	2,019.02	1/2	1,681.46	1/2	1,338.03	1/2	1,000.15	1/2	665.54	1/2	322.13	1/2		1/2	1/2		1/2		1/2
3/4	2,011.87	3/4	1,674.30	3/4	1,330.88	3/4	993.30	3/4	658.39	3/4	314.97	3/4		3/4	3/4		3/4		3/4
11	2,004.71	11	1,667.15	11	1,323.72	11	986.45	11	651.23	11	307.82	11		11	11		11		11
1/4	1,997.56	1/4	1,660.00	1/4	1,316.57	1/4	979.60	1/4	644.08	1/4	300.66	1/4		1/4	1/4		1/4		1/4
1/2	1,990.41	1/2	1,652.84	1/2	1,309.42	1/2	972.75	1/2	636.93	1/2	293.51	1/2		1/2	1/2		1/2		1/2
3/4	1,983.25	3/4	1,645.69	3/4	1,302.26	3/4	965.90	3/4	629.77	3/4	286.36	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 CL
NAME CHANGE: 09/18/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 27314"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9 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	4,695.42	0	4,387.19	0	4,058.91	0	3,715.74	0	3,371.70	0	3,027.66	0	2,683.53		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,688.98	1/4	4,380.55	1/4	4,051.86	1/4	3,708.58	1/4	3,364.54	1/4	3,020.50	1/4	2,676.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,682.54	1/2	4,373.92	1/2	4,044.81	1/2	3,701.41	1/2	3,357.37	1/2	3,013.33	1/2	2,669.19		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,676.31	3/4	4,367.25	3/4	4,037.73	3/4	3,694.24	3/4	3,350.20	3/4	3,006.16	3/4	2,662.02		
1		1		1		1	4,670.07	1	4,360.58	1	4,030.64	1	3,687.07	1	3,343.03	1	2,998.99	1	2,654.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,663.84	1/4	4,353.91	1/4	4,023.56	1/4	3,679.91	1/4	3,335.87	1/4	2,991.83	1/4	2,647.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,657.60	1/2	4,347.25	1/2	4,016.47	1/2	3,672.74	1/2	3,328.70	1/2	2,984.66	1/2	2,640.50		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,651.34	3/4	4,340.55	3/4	4,009.36	3/4	3,665.57	3/4	3,321.53	3/4	2,977.49	3/4	2,633.33		
2		2		2		2	4,645.07	2	4,333.85	2	4,002.24	2	3,658.40	2	3,314.36	2	2,970.32	2	2,626.16		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,638.81	1/4	4,327.15	1/4	3,995.12	1/4	3,651.24	1/4	3,307.20	1/4	2,963.16	1/4	2,618.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,632.55	1/2	4,320.45	1/2	3,988.01	1/2	3,644.07	1/2	3,300.03	1/2	2,955.99	1/2	2,611.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,626.25	3/4	4,313.72	3/4	3,980.86	3/4	3,636.90	3/4	3,292.86	3/4	2,948.82	3/4	2,604.64		
3		3		3		3	4,619.95	3	4,306.99	3	3,973.71	3	3,629.73	3	3,285.69	3	2,941.65	3	2,597.47		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,613.65	1/4	4,300.26	1/4	3,966.56	1/4	3,622.57	1/4	3,278.53	1/4	2,934.49	1/4	2,590.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,607.35	1/2	4,293.53	1/2	3,959.42	1/2	3,615.40	1/2	3,271.36	1/2	2,927.32	1/2	2,583.13		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,601.01	3/4	4,286.77	3/4	3,952.25	3/4	3,608.23	3/4	3,264.19	3/4	2,920.15	3/4	2,575.96		
4		4		4		4	4,594.68	4	4,280.01	4	3,945.09	4	3,601.06	4	3,257.02	4	2,912.98	4	2,568.79		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,588.34	1/4	4,273.25	1/4	3,937.93	1/4	3,593.90	1/4	3,249.86	1/4	2,905.82	1/4	2,561.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,582.01	1/2	4,266.49	1/2	3,930.77	1/2	3,586.73	1/2	3,242.69	1/2	2,898.65	1/2	2,554.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,575.64	3/4	4,259.69	3/4	3,923.60	3/4	3,579.56	3/4	3,235.52	3/4	2,891.48	3/4	2,547.27		
5		5		5		5	4,569.28	5	4,252.90	5	3,916.43	5	3,572.39	5	3,228.35	5	2,884.31	5	2,540.10		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,562.91	1/4	4,246.11	1/4	3,909.27	1/4	3,565.23	1/4	3,221.19	1/4	2,877.15	1/4	2,532.93		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,556.55	1/2	4,239.31	1/2	3,902.10	1/2	3,558.06	1/2	3,214.02	1/2	2,869.98	1/2	2,525.76		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,550.15	3/4	4,232.48	3/4	3,894.93	3/4	3,550.89	3/4	3,206.85	3/4	2,862.81	3/4	2,518.59		
6		6		6		6	4,543.75	6	4,225.65	6	3,887.76	6	3,543.72	6	3,199.68	6	2,855.64	6	2,511.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,537.35	1/4	4,218.82	1/4	3,880.60	1/4	3,536.56	1/4	3,192.52	1/4	2,848.47	1/4	2,504.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,845.47	1/2	4,530.96	1/2	4,211.99	1/2	3,873.43	1/2	3,529.39	1/2	3,185.35	1/2	2,841.30	1/2	2,497.07
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,839.44	3/4	4,524.53	3/4	4,205.11	3/4	3,866.26	3/4	3,522.22	3/4	3,178.18	3/4	2,834.13	3/4	2,489.90
7		7		7		7	4,833.40	7	4,518.10	7	4,198.22	7	3,859.09	7	3,515.05	7	3,171.01	7	2,826.96	7	2,482.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,827.37	1/4	4,511.67	1/4	4,191.34	1/4	3,851.93	1/4	3,507.89	1/4	3,163.85	1/4	2,819.79	1/4	2,475.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,821.33	1/2	4,505.24	1/2	4,184.46	1/2	3,844.76	1/2	3,500.72	1/2	3,156.68	1/2	2,812.62	1/2	2,468.38
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,814.40	3/4	4,498.75	3/4	4,177.54	3/4	3,837.59	3/4	3,493.55	3/4	3,149.51	3/4	2,805.45	3/4	2,461.21
8		8		8		8	4,807.47	8	4,492.26	8	4,170.63	8	3,830.42	8	3,486.38	8	3,142.34	8	2,798.27	8	2,454.04
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,800.54	1/4	4,485.77	1/4	4,163.71	1/4	3,823.26	1/4	3,479.22	1/4	3,135.18	1/4	2,791.10	1/4	2,446.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,793.61	1/2	4,479.28	1/2	4,156.79	1/2	3,816.09	1/2	3,472.05	1/2	3,128.01	1/2	2,783.93	1/2	2,439.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,786.50	3/4	4,472.75	3/4	4,149.84	3/4	3,808.92	3/4	3,464.88	3/4	3,120.84	3/4	2,776.76	3/4	2,432.53
9		9		9		9	4,779.39	9	4,466.21	9	4,142.89	9	3,801.75	9	3,457.71	9	3,113.67	9	2,769.59	9	2,425.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,772.28	1/4	4,459.68	1/4	4,135.94	1/4	3,794.59	1/4	3,450.55	1/4	3,106.51	1/4	2,762.42	1/4	2,418.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,765.17	1/2	4,453.15	1/2	4,128.99	1/2	3,787.42	1/2	3,443.38	1/2	3,099.34	1/2	2,755.24	1/2	2,411.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,758.06	3/4	4,446.58	3/4	4,122.01	3/4	3,780.25	3/4	3,436.21	3/4	3,092.17	3/4	2,748.07	3/4	2,403.84
10		10		10		10	4,750.95	10	4,440.01	10	4,115.03	10	3,773.08	10	3,429.04	10	3,085.00	10	2,740.90	10	2,396.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,743.84	1/4	4,433.44	1/4	4,108.05	1/4	3,765.92	1/4	3,421.88	1/4	3,077.84	1/4	2,733.73	1/4	2,389.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,736.73	1/2	4,426.87	1/2	4,101.06	1/2	3,758.75	1/2	3,414.71	1/2	3,070.67	1/2	2,726.56	1/2	2,382.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,729.62	3/4	4,420.27	3/4	4,094.05	3/4	3,751.58	3/4	3,407.54	3/4	3,063.50	3/4	2,719.39	3/4	2,375.16
11		11		11		11	4,722.51	11	4,413.66	11	4,087.04	11	3,744.41	11	3,400.37	11	3,056.33	11	2,712.22	11	2,367.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,715.40	1/4	4,407.06	1/4	4,080.03	1/4	3,737.25	1/4	3,393.21	1/4	3,049.17	1/4	2,705.04	1/4	2,360.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,708.29	1/2	4,400.46	1/2	4,073.01	1/2	3,730.08	1/2	3,386.04	1/2	3,042.00	1/2	2,697.87	1/2	2,353.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,701.85	3/4	4,393.82	3/4	4,065.96	3/4	3,722.91	3/4	3,378.87	3/4	3,034.83	3/4	2,690.70	3/4	2,346.47

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 GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 40'-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 27314"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
	2,339.30		1,995.07		1,656.63		1,312.33		968.20		624.20		279.91								
1/4	2,332.13	1/4	1,987.89	1/4	1,649.46	1/4	1,305.16	1/4	961.04	1/4	617.02	1/4	272.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,324.95	1/2	1,980.72	1/2	1,642.29	1/2	1,297.99	1/2	953.88	1/2	609.85	1/2	265.57	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,317.78	3/4	1,974.06	3/4	1,635.12	3/4	1,290.82	3/4	946.72	3/4	602.68	3/4	258.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	2,310.61	1	1,967.40	1	1,627.94	1	1,283.64	1	939.56	1	595.51	1	251.22	1	1	1	1	1	1	1	1
1/4	2,303.44	1/4	1,960.73	1/4	1,620.77	1/4	1,276.47	1/4	932.40	1/4	588.33	1/4	244.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,296.27	1/2	1,954.07	1/2	1,613.60	1/2	1,269.30	1/2	925.24	1/2	581.16	1/2	236.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,289.10	3/4	1,947.58	3/4	1,606.42	3/4	1,262.12	3/4	918.08	3/4	573.99	3/4	229.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2,281.93	2	1,941.09	2	1,599.25	2	1,254.95	2	910.92	2	566.82	2	222.53	2	2	2	2	2	2	2	2
1/4	2,274.75	1/4	1,934.59	1/4	1,592.08	1/4	1,247.78	1/4	903.76	1/4	559.64	1/4	215.36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,267.58	1/2	1,928.10	1/2	1,584.90	1/2	1,240.61	1/2	896.60	1/2	552.47	1/2	208.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,260.41	3/4	1,921.12	3/4	1,577.73	3/4	1,233.43	3/4	889.44	3/4	545.30	3/4	201.01	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	2,253.24	3	1,914.15	3	1,570.56	3	1,226.26	3	882.28	3	538.13	3	193.84	3	3	3	3	3	3	3	3
1/4	2,246.07	1/4	1,907.17	1/4	1,563.39	1/4	1,219.09	1/4	875.12	1/4	530.95	1/4	186.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,238.90	1/2	1,900.19	1/2	1,556.21	1/2	1,211.91	1/2	867.96	1/2	523.78	1/2	179.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,231.73	3/4	1,893.06	3/4	1,549.04	3/4	1,204.74	3/4	860.80	3/4	516.61	3/4	172.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	2,224.55	4	1,885.92	4	1,541.87	4	1,197.57	4	853.64	4	509.43	4	165.15	4	4	4	4	4	4	4	4
1/4	2,217.38	1/4	1,878.78	1/4	1,534.69	1/4	1,190.40	1/4	846.48	1/4	502.26	1/4	157.98	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,210.21	1/2	1,871.64	1/2	1,527.52	1/2	1,183.22	1/2	839.32	1/2	495.09	1/2	150.80	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,203.04	3/4	1,864.51	3/4	1,520.35	3/4	1,176.05	3/4	832.16	3/4	487.92	3/4	143.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	2,195.87	5	1,857.37	5	1,513.18	5	1,168.88	5	825.00	5	480.74	5	136.46	5	5	5	5	5	5	5	5
1/4	2,188.70	1/4	1,850.23	1/4	1,506.00	1/4	1,161.70	1/4	817.84	1/4	473.57	1/4	129.29	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,181.52	1/2	1,843.09	1/2	1,498.83	1/2	1,154.53	1/2	810.68	1/2	466.40	1/2	122.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,174.35	3/4	1,835.93	3/4	1,491.66	3/4	1,147.36	3/4	803.51	3/4	459.23	3/4	114.95	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	2,167.18	6	1,828.77	6	1,484.48	6	1,140.19	6	796.34	6	452.05	6	107.79	6	6	6	6	6	6	6	6
1/4	2,160.01	1/4	1,821.60	1/4	1,477.31	1/4	1,133.01	1/4	789.16	1/4	444.88	1/4	100.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,152.84	1/2	1,814.44	1/2	1,470.14	1/2	1,125.84	1/2	781.99	1/2	437.71	1/2	93.46	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,145.67	3/4	1,807.26	3/4	1,462.97	3/4	1,118.67	3/4	774.82	3/4	430.54	3/4	86.32	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	2,138.50	7	1,800.09	7	1,455.79	7	1,111.49	7	767.65	7	423.36	7	79.17	7	7	7	7	7	7	7	7
1/4	2,131.32	1/4	1,792.92	1/4	1,448.62	1/4	1,104.32	1/4	760.48	1/4	416.19	1/4	72.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,124.15	1/2	1,785.75	1/2	1,441.45	1/2	1,097.15	1/2	753.30	1/2	409.02	1/2	64.88	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,116.98	3/4	1,778.57	3/4	1,434.27	3/4	1,089.98	3/4	746.13	3/4	401.85	3/4	58.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	2,109.81	8	1,771.40	8	1,427.10	8	1,082.81	8	738.96	8	394.67	8	51.90	8	8	8	8	8	8	8	8
1/4	2,102.64	1/4	1,764.23	1/4	1,419.93	1/4	1,075.64	1/4	731.79	1/4	387.50	1/4	45.41	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,095.47	1/2	1,757.05	1/2	1,412.76	1/2	1,068.47	1/2	724.61	1/2	380.33	1/2	38.92	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,088.30	3/4	1,749.88	3/4	1,405.58	3/4	1,061.31	3/4	717.44	3/4	373.16	3/4	33.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	2,081.12	9	1,742.71	9	1,398.41	9	1,054.14	9	710.27	9	365.98	9	29.06	9	9	9	9	9	9	9	9
1/4	2,073.95	1/4	1,735.54	1/4	1,391.24	1/4	1,046.97	1/4	703.10	1/4	358.81	1/4	24.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,066.78	1/2	1,728.36	1/2	1,384.06	1/2	1,039.80	1/2	695.92	1/2	351.64	1/2	19.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,059.61	3/4	1,721.19	3/4	1,376.89	3/4	1,032.64	3/4	688.75	3/4	344.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	2,052.44	10	1,714.02	10	1,369.72	10	1,025.48	10	681.58	10	337.29	10	10	10	10	10	10	10	10	10	10
1/4	2,045.27	1/4	1,706.84	1/4	1,362.54	1/4	1,018.32	1/4	674.40	1/4	330.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,038.09	1/2	1,699.67	1/2	1,355.37	1/2	1,011.16	1/2	667.23	1/2	322.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,030.92	3/4	1,692.50	3/4	1,348.20	3/4	1,004.00	3/4	660.06	3/4	315.77	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	2,023.75	11	1,685.33	11	1,341.03	11	996.84	11	652.89	11	308.60	11	11	11	11	11	11	11	11	11	11
1/4	2,016.58	1/4	1,678.15	1/4	1,333.85	1/4	989.68	1/4	645.71	1/4	301.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,009.41	1/2	1,670.98	1/2	1,326.68	1/2	982.52	1/2	638.54	1/2	294.26	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,002.24	3/4	1,663.81	3/4	1,319.51	3/4	975.36	3/4	631.37	3/4	287.08	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 CL
NAME CHANGE: 09/18/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 27314"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9 3/4"

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	4,333.68	0	4,159.23	0	3,973.35	0	3,778.78	0	3,548.81	0	3,186.83	0	2,824.14
1/4		1/4		1/4		1/4	4,330.04	1/4	4,155.47	1/4	3,969.35	1/4	3,774.72	1/4	3,541.27	1/4	3,179.28	1/4	2,816.58
1/2		1/2		1/2		1/2	4,326.39	1/2	4,151.71	1/2	3,965.35	1/2	3,770.65	1/2	3,533.73	1/2	3,171.72	1/2	2,809.02
3/4		3/4		3/4		3/4	4,322.75	3/4	4,147.95	3/4	3,961.35	3/4	3,766.59	3/4	3,526.20	3/4	3,164.17	3/4	2,801.47
1		1		1		1	4,319.22	1	4,144.17	1	3,957.34	1	3,762.52	1	3,518.66	1	3,156.61	1	2,793.91
1/4		1/4		1/4		1/4	4,315.69	1/4	4,140.39	1/4	3,953.32	1/4	3,758.46	1/4	3,511.13	1/4	3,149.06	1/4	2,786.35
1/2		1/2		1/2		1/2	4,312.16	1/2	4,136.61	1/2	3,949.30	1/2	3,754.39	1/2	3,503.59	1/2	3,141.50	1/2	2,778.79
3/4		3/4		3/4		3/4	4,308.63	3/4	4,132.84	3/4	3,945.28	3/4	3,750.33	3/4	3,496.06	3/4	3,133.95	3/4	2,771.24
2		2		2		2	4,305.08	2	4,129.04	2	3,941.24	2	3,746.26	2	3,488.53	2	3,126.39	2	2,763.68
1/4		1/4		1/4		1/4	4,301.54	1/4	4,125.24	1/4	3,937.21	1/4	3,742.20	1/4	3,480.99	1/4	3,118.84	1/4	2,756.12
1/2		1/2		1/2		1/2	4,297.99	1/2	4,121.44	1/2	3,933.17	1/2	3,738.13	1/2	3,473.46	1/2	3,111.28	1/2	2,748.56
3/4		3/4		3/4		3/4	4,294.45	3/4	4,117.65	3/4	3,929.14	3/4	3,734.07	3/4	3,465.92	3/4	3,103.73	3/4	2,741.01
3		3		3		3	4,290.88	3	4,113.83	3	3,925.08	3	3,730.00	3	3,458.39	3	3,096.17	3	2,733.45
1/4		1/4		1/4		1/4	4,287.32	1/4	4,110.02	1/4	3,921.03	1/4	3,725.94	1/4	3,450.85	1/4	3,088.62	1/4	2,725.89
1/2		1/2		1/2		1/2	4,283.75	1/2	4,106.20	1/2	3,916.98	1/2	3,721.87	1/2	3,443.32	1/2	3,081.06	1/2	2,718.33
3/4		3/4		3/4		3/4	4,280.18	3/4	4,102.39	3/4	3,912.92	3/4	3,717.81	3/4	3,435.79	3/4	3,073.51	3/4	2,710.78
4		4		4		4	4,276.60	4	4,098.56	4	3,908.86	4	3,713.74	4	3,428.25	4	3,065.95	4	2,703.22
1/4		1/4		1/4		1/4	4,273.01	1/4	4,094.72	1/4	3,904.80	1/4	3,709.68	1/4	3,420.72	1/4	3,058.40	1/4	2,695.66
1/2		1/2		1/2		1/2	4,269.43	1/2	4,090.89	1/2	3,900.73	1/2	3,705.61	1/2	3,413.18	1/2	3,050.84	1/2	2,688.10
3/4		3/4		3/4		3/4	4,265.84	3/4	4,087.06	3/4	3,896.67	3/4	3,701.55	3/4	3,405.65	3/4	3,043.29	3/4	2,680.55
5		5		5		5	4,262.24	5	4,083.21	5	3,892.60	5	3,697.48	5	3,398.12	5	3,035.74	5	2,672.99
1/4		1/4		1/4		1/4	4,258.63	1/4	4,079.36	1/4	3,888.54	1/4	3,693.42	1/4	3,390.58	1/4	3,028.18	1/4	2,665.43
1/2		1/2		1/2		1/2	4,255.03	1/2	4,075.50	1/2	3,884.47	1/2	3,689.35	1/2	3,383.05	1/2	3,020.63	1/2	2,657.87
3/4		3/4		3/4		3/4	4,251.43	3/4	4,071.65	3/4	3,880.41	3/4	3,685.29	3/4	3,375.51	3/4	3,013.07	3/4	2,650.32
6		6		6		6	4,247.81	6	4,067.78	6	3,876.34	6	3,681.22	6	3,367.98	6	3,005.51	6	2,642.75
1/4		1/4		1/4		1/4	4,244.18	1/4	4,063.91	1/4	3,872.28	1/4	3,677.16	1/4	3,360.45	1/4	2,997.96	1/4	2,635.19
1/2		1/2		1/2		1/2	4,240.56	1/2	4,060.04	1/2	3,868.21	1/2	3,673.09	1/2	3,352.91	1/2	2,990.40	1/2	2,627.63
3/4		3/4		3/4	4,412.55	3/4	4,236.94	3/4	4,056.17	3/4	3,864.15	3/4	3,669.03	3/4	3,345.38	3/4	2,982.85	3/4	2,620.06
7		7		7	4,409.66	7	4,233.30	7	4,052.26	7	3,860.08	7	3,664.96	7	3,337.84	7	2,975.29	7	2,612.50
1/4		1/4		1/4	4,406.77	1/4	4,229.66	1/4	4,048.36	1/4	3,856.02	1/4	3,660.90	1/4	3,330.31	1/4	2,967.73	1/4	2,604.94
1/2		1/2		1/2	4,403.88	1/2	4,226.02	1/2	4,044.46	1/2	3,851.95	1/2	3,656.83	1/2	3,322.77	1/2	2,960.17	1/2	2,597.37
3/4		3/4		3/4	4,400.99	3/4	4,222.38	3/4	4,040.56	3/4	3,847.89	3/4	3,652.77	3/4	3,315.24	3/4	2,952.62	3/4	2,589.81
8		8		8	4,397.15	8	4,218.71	8	4,036.63	8	3,843.82	8	3,648.70	8	3,307.69	8	2,945.06	8	2,582.24
1/4		1/4		1/4	4,393.31	1/4	4,215.03	1/4	4,032.71	1/4	3,839.76	1/4	3,644.64	1/4	3,300.14	1/4	2,937.50	1/4	2,574.68
1/2		1/2		1/2	4,389.47	1/2	4,211.35	1/2	4,028.79	1/2	3,835.69	1/2	3,640.57	1/2	3,292.59	1/2	2,929.94	1/2	2,567.11
3/4		3/4		3/4	4,385.64	3/4	4,207.67	3/4	4,024.86	3/4	3,831.63	3/4	3,636.51	3/4	3,285.04	3/4	2,922.39	3/4	2,559.55
9		9		9	4,381.61	9	4,203.97	9	4,020.92	9	3,827.56	9	3,631.13	9	3,277.49	9	2,914.83	9	2,551.98
1/4		1/4		1/4	4,377.58	1/4	4,200.27	1/4	4,016.98	1/4	3,823.50	1/4	3,625.75	1/4	3,269.93	1/4	2,907.27	1/4	2,544.42
1/2		1/2		1/2	4,373.56	1/2	4,196.57	1/2	4,013.04	1/2	3,819.43	1/2	3,620.36	1/2	3,262.38	1/2	2,899.71	1/2	2,536.85
3/4		3/4		3/4	4,369.53	3/4	4,192.86	3/4	4,009.10	3/4	3,815.37	3/4	3,614.98	3/4	3,254.82	3/4	2,892.16	3/4	2,529.29
10		10		10	4,365.50	10	4,189.14	10	4,005.14	10	3,811.30	10	3,607.87	10	3,247.27	10	2,884.60	10	2,521.75
1/4		1/4		1/4	4,361.48	1/4	4,185.42	1/4	4,001.18	1/4	3,807.24	1/4	3,600.75	1/4	3,239.71	1/4	2,877.04	1/4	2,514.22
1/2		1/2		1/2	4,357.45	1/2	4,181.69	1/2	3,997.22	1/2	3,803.17	1/2	3,593.64	1/2	3,232.16	1/2	2,869.48	1/2	2,506.68
3/4		3/4		3/4	4,353.43	3/4	4,177.97	3/4	3,993.26	3/4	3,799.11	3/4	3,586.53	3/4	3,224.61	3/4	2,861.93	3/4	2,499.14
11		11		11	4,349.40	11	4,174.22	11	3,989.28	11	3,795.04	11	3,578.98	11	3,217.05	11	2,854.37	11	2,491.62
1/4		1/4		1/4	4,345.38	1/4	4,170.48	1/4	3,985.30	1/4	3,790.98	1/4	3,571.43	1/4	3,209.50	1/4	2,846.81	1/4	2,484.09
1/2		1/2		1/2	4,341.35	1/2	4,166.74	1/2	3,981.33	1/2	3,786.91	1/2	3,563.89	1/2	3,201.94	1/2	2,839.25	1/2	2,476.56
3/4		3/4		3/4	4,337.32	3/4	4,163.00	3/4	3,977.35	3/4	3,782.85	3/4	3,556.34	3/4	3,194.39	3/4	2,831.70	3/4	2,469.04

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 ULLAGE GAUGES TAKEN WITH HERMETIC GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-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 27314"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9 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	2,461.51	0	2,100.83	0	1,745.34	0	1,382.16	0	1,024.27	0	666.49	0	303.14	0		0		0	
1/4	2,453.99	1/4	2,093.33	1/4	1,737.77	1/4	1,374.59	1/4	1,016.93	1/4	658.92	1/4	295.57	1/4	1/4		1/4		1/4
1/2	2,446.46	1/2	2,085.83	1/2	1,730.20	1/2	1,367.03	1/2	1,009.59	1/2	651.35	1/2	288.00	1/2	1/2		1/2		1/2
3/4	2,438.93	3/4	2,078.33	3/4	1,722.64	3/4	1,359.46	3/4	1,002.26	3/4	643.78	3/4	280.44	3/4	3/4		3/4		3/4
1	2,431.41	1	2,071.36	1	1,715.07	1	1,351.89	1	994.92	1	636.21	1	272.87	1	1		1		1
1/4	2,423.88	1/4	2,064.40	1/4	1,707.50	1/4	1,344.33	1/4	987.58	1/4	628.64	1/4	265.30	1/4	1/4		1/4		1/4
1/2	2,416.35	1/2	2,057.43	1/2	1,699.94	1/2	1,336.76	1/2	980.24	1/2	621.07	1/2	257.73	1/2	1/2		1/2		1/2
3/4	2,408.83	3/4	2,050.47	3/4	1,692.37	3/4	1,329.19	3/4	972.91	3/4	613.50	3/4	250.16	3/4	3/4		3/4		3/4
2	2,401.30	2	2,043.68	2	1,684.81	2	1,321.63	2	965.57	2	605.93	2	242.59	2	2		2		2
1/4	2,393.78	1/4	2,036.90	1/4	1,677.24	1/4	1,314.06	1/4	958.23	1/4	598.36	1/4	235.02	1/4	1/4		1/4		1/4
1/2	2,386.25	1/2	2,030.11	1/2	1,669.67	1/2	1,306.50	1/2	950.90	1/2	590.79	1/2	227.45	1/2	1/2		1/2		1/2
3/4	2,378.72	3/4	2,023.33	3/4	1,662.11	3/4	1,298.93	3/4	943.56	3/4	583.22	3/4	219.88	3/4	3/4		3/4		3/4
3	2,371.20	3	2,016.03	3	1,654.54	3	1,291.36	3	936.22	3	575.65	3	212.31	3	3		3		3
1/4	2,363.67	1/4	2,008.73	1/4	1,646.97	1/4	1,283.80	1/4	928.89	1/4	568.07	1/4	204.74	1/4	1/4		1/4		1/4
1/2	2,356.14	1/2	2,001.44	1/2	1,639.41	1/2	1,276.23	1/2	921.55	1/2	560.50	1/2	197.17	1/2	1/2		1/2		1/2
3/4	2,348.62	3/4	1,994.14	3/4	1,631.84	3/4	1,268.66	3/4	914.21	3/4	552.93	3/4	189.60	3/4	3/4		3/4		3/4
4	2,341.09	4	1,986.67	4	1,624.28	4	1,261.10	4	906.87	4	545.36	4	182.03	4	4		4		4
1/4	2,333.57	1/4	1,979.20	1/4	1,616.71	1/4	1,253.53	1/4	899.54	1/4	537.79	1/4	174.46	1/4	1/4		1/4		1/4
1/2	2,326.04	1/2	1,971.73	1/2	1,609.14	1/2	1,245.97	1/2	892.20	1/2	530.22	1/2	166.88	1/2	1/2		1/2		1/2
3/4	2,318.51	3/4	1,964.27	3/4	1,601.58	3/4	1,238.40	3/4	884.86	3/4	522.65	3/4	159.31	3/4	3/4		3/4		3/4
5	2,310.99	5	1,956.80	5	1,594.01	5	1,230.83	5	877.53	5	515.08	5	151.74	5	5		5		5
1/4	2,303.46	1/4	1,949.33	1/4	1,586.44	1/4	1,223.27	1/4	870.19	1/4	507.51	1/4	144.17	1/4	1/4		1/4		1/4
1/2	2,295.93	1/2	1,941.86	1/2	1,578.88	1/2	1,215.70	1/2	862.85	1/2	499.94	1/2	136.60	1/2	1/2		1/2		1/2
3/4	2,288.41	3/4	1,934.39	3/4	1,571.31	3/4	1,208.13	3/4	855.52	3/4	492.37	3/4	129.03	3/4	3/4		3/4		3/4
6	2,280.90	6	1,926.85	6	1,563.75	6	1,200.73	6	848.00	6	484.80	6	121.46	6	6		6		6
1/4	2,273.39	1/4	1,919.31	1/4	1,556.18	1/4	1,193.32	1/4	840.49	1/4	477.23	1/4	113.90	1/4	1/4		1/4		1/4
1/2	2,265.88	1/2	1,911.77	1/2	1,548.61	1/2	1,185.91	1/2	832.98	1/2	469.66	1/2	106.33	1/2	1/2		1/2		1/2
3/4	2,258.37	3/4	1,904.23	3/4	1,541.05	3/4	1,178.50	3/4	825.47	3/4	462.09	3/4	98.76	3/4	3/4		3/4		3/4
7	2,250.87	7	1,896.66	7	1,533.48	7	1,171.14	7	817.90	7	454.52	7	91.21	7	7		7		7
1/4	2,243.37	1/4	1,889.09	1/4	1,525.92	1/4	1,163.79	1/4	810.33	1/4	446.95	1/4	83.66	1/4	1/4		1/4		1/4
1/2	2,235.87	1/2	1,881.53	1/2	1,518.35	1/2	1,156.43	1/2	802.76	1/2	439.38	1/2	76.11	1/2	1/2		1/2		1/2
3/4	2,228.37	3/4	1,873.96	3/4	1,510.78	3/4	1,149.07	3/4	795.19	3/4	431.82	3/4	68.56	3/4	3/4		3/4		3/4
8	2,220.86	8	1,866.39	8	1,503.22	8	1,141.73	8	787.62	8	424.25	8	61.70	8	8		8		8
1/4	2,213.36	1/4	1,858.83	1/4	1,495.65	1/4	1,134.38	1/4	780.05	1/4	416.68	1/4	54.84	1/4	1/4		1/4		1/4
1/2	2,205.86	1/2	1,851.26	1/2	1,488.08	1/2	1,127.03	1/2	772.48	1/2	409.11	1/2	47.98	1/2	1/2		1/2		1/2
3/4	2,198.36	3/4	1,843.70	3/4	1,480.52	3/4	1,119.68	3/4	764.91	3/4	401.54	3/4	41.11	3/4	3/4		3/4		3/4
9	2,190.86	9	1,836.13	9	1,472.95	9	1,112.34	9	757.33	9	393.97	9	35.90	9	9		9		9
1/4	2,183.35	1/4	1,828.56	1/4	1,465.39	1/4	1,105.00	1/4	749.76	1/4	386.40	1/4	30.69	1/4	1/4		1/4		1/4
1/2	2,175.85	1/2	1,821.00	1/2	1,457.82	1/2	1,097.65	1/2	742.19	1/2	378.83	1/2	25.48	1/2	1/2		1/2		1/2
3/4	2,168.35	3/4	1,813.43	3/4	1,450.25	3/4	1,090.31	3/4	734.62	3/4	371.26	3/4	20.27	3/4	3/4		3/4		3/4
10	2,160.85	10	1,805.86	10	1,442.69	10	1,082.97	10	727.05	10	363.69	10		10	10		10		10
1/4	2,153.35	1/4	1,798.30	1/4	1,435.12	1/4	1,075.63	1/4	719.48	1/4	356.13	1/4		1/4	1/4		1/4		1/4
1/2	2,145.84	1/2	1,790.73	1/2	1,427.55	1/2	1,068.29	1/2	711.91	1/2	348.56	1/2		1/2	1/2		1/2		1/2
3/4	2,138.34	3/4	1,783.17	3/4	1,419.99	3/4	1,060.95	3/4	704.34	3/4	340.99	3/4		3/4	3/4		3/4		3/4
11	2,130.84	11	1,775.60	11	1,412.42	11	1,053.61	11	696.77	11	333.42	11		11	11		11		11
1/4	2,123.34	1/4	1,768.03	1/4	1,404.86	1/4	1,046.28	1/4	689.20	1/4	325.85	1/4		1/4	1/4		1/4		1/4
1/2	2,115.84	1/2	1,760.47	1/2	1,397.29	1/2	1,038.94	1/2	681.63	1/2	318.28	1/2		1/2	1/2		1/2		1/2
3/4	2,108.33	3/4	1,752.90	3/4	1,389.72	3/4	1,031.60	3/4	674.06	3/4	310.71	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 CL
NAME CHANGE: 09/18/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 27314"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9 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	4,347.81	0	4,173.29	0	3,987.07	0	3,792.51	0	3,555.61	0	3,192.78	0	2,829.26
1/4		1/4		1/4		1/4	4,344.17	1/4	4,169.53	1/4	3,983.08	1/4	3,788.45	1/4	3,548.06	1/4	3,185.21	1/4	2,821.68
1/2		1/2		1/2		1/2	4,340.64	1/2	4,165.76	1/2	3,979.06	1/2	3,784.39	1/2	3,540.51	1/2	3,177.63	1/2	2,814.11
3/4		3/4		3/4		3/4	4,337.12	3/4	4,161.98	3/4	3,975.05	3/4	3,780.32	3/4	3,532.96	3/4	3,170.06	3/4	2,806.53
1		1		1		1	4,333.59	1	4,158.20	1	3,971.03	1	3,776.26	1	3,525.40	1	3,162.49	1	2,798.96
1/4		1/4		1/4		1/4	4,330.07	1/4	4,154.43	1/4	3,967.02	1/4	3,772.20	1/4	3,517.85	1/4	3,154.92	1/4	2,791.38
1/2		1/2		1/2		1/2	4,326.52	1/2	4,150.63	1/2	3,962.99	1/2	3,768.14	1/2	3,510.30	1/2	3,147.35	1/2	2,783.81
3/4		3/4		3/4		3/4	4,322.98	3/4	4,146.84	3/4	3,958.95	3/4	3,764.08	3/4	3,502.75	3/4	3,139.77	3/4	2,776.23
2		2		2		2	4,319.44	2	4,143.05	2	3,954.92	2	3,760.01	2	3,495.20	2	3,132.20	2	2,768.66
1/4		1/4		1/4		1/4	4,315.90	1/4	4,139.25	1/4	3,950.89	1/4	3,755.95	1/4	3,487.65	1/4	3,124.63	1/4	2,761.08
1/2		1/2		1/2		1/2	4,312.33	1/2	4,135.44	1/2	3,946.84	1/2	3,751.89	1/2	3,480.10	1/2	3,117.06	1/2	2,753.51
3/4		3/4		3/4		3/4	4,308.77	3/4	4,131.63	3/4	3,942.78	3/4	3,747.83	3/4	3,472.55	3/4	3,109.49	3/4	2,745.94
3		3		3		3	4,305.21	3	4,127.82	3	3,938.73	3	3,743.77	3	3,465.00	3	3,101.92	3	2,738.36
1/4		1/4		1/4		1/4	4,301.65	1/4	4,124.01	1/4	3,934.68	1/4	3,739.70	1/4	3,457.44	1/4	3,094.34	1/4	2,730.79
1/2		1/2		1/2		1/2	4,298.06	1/2	4,120.18	1/2	3,930.62	1/2	3,735.64	1/2	3,449.89	1/2	3,086.77	1/2	2,723.21
3/4		3/4		3/4		3/4	4,294.48	3/4	4,116.35	3/4	3,926.56	3/4	3,731.58	3/4	3,442.34	3/4	3,079.20	3/4	2,715.64
4		4		4		4	4,290.90	4	4,112.52	4	3,922.50	4	3,727.52	4	3,434.79	4	3,071.63	4	2,708.06
1/4		1/4		1/4		1/4	4,287.32	1/4	4,108.69	1/4	3,918.44	1/4	3,723.46	1/4	3,427.24	1/4	3,064.06	1/4	2,700.49
1/2		1/2		1/2		1/2	4,283.72	1/2	4,104.84	1/2	3,914.37	1/2	3,719.39	1/2	3,419.69	1/2	3,056.48	1/2	2,692.91
3/4		3/4		3/4		3/4	4,280.12	3/4	4,100.99	3/4	3,910.31	3/4	3,715.33	3/4	3,412.14	3/4	3,048.91	3/4	2,685.34
5		5		5		5	4,276.52	5	4,097.14	5	3,906.25	5	3,711.27	5	3,404.59	5	3,041.34	5	2,677.76
1/4		1/4		1/4		1/4	4,272.92	1/4	4,093.30	1/4	3,902.19	1/4	3,707.21	1/4	3,397.03	1/4	3,033.77	1/4	2,670.19
1/2		1/2		1/2		1/2	4,269.30	1/2	4,089.43	1/2	3,898.13	1/2	3,703.14	1/2	3,389.48	1/2	3,026.19	1/2	2,662.61
3/4		3/4		3/4		3/4	4,265.68	3/4	4,085.56	3/4	3,894.06	3/4	3,699.08	3/4	3,381.93	3/4	3,018.62	3/4	2,655.03
6		6		6		6	4,262.06	6	4,081.69	6	3,890.00	6	3,695.02	6	3,374.38	6	3,011.05	6	2,647.45
1/4		1/4		1/4	4,433.89	1/4	4,258.44	1/4	4,077.82	1/4	3,885.94	1/4	3,690.96	1/4	3,366.83	1/4	3,003.47	1/4	2,639.87
1/2		1/2		1/2	4,431.00	1/2	4,254.81	1/2	4,073.92	1/2	3,881.88	1/2	3,686.90	1/2	3,359.28	1/2	2,995.90	1/2	2,632.29
3/4		3/4		3/4	4,428.12	3/4	4,251.17	3/4	4,070.02	3/4	3,877.81	3/4	3,682.83	3/4	3,351.73	3/4	2,988.32	3/4	2,624.71
7		7		7	4,425.23	7	4,247.54	7	4,066.12	7	3,873.75	7	3,678.77	7	3,344.18	7	2,980.75	7	2,617.13
1/4		1/4		1/4	4,422.35	1/4	4,243.90	1/4	4,062.22	1/4	3,869.69	1/4	3,674.71	1/4	3,336.62	1/4	2,973.17	1/4	2,609.55
1/2		1/2		1/2	4,418.51	1/2	4,240.23	1/2	4,058.30	1/2	3,865.63	1/2	3,670.65	1/2	3,329.06	1/2	2,965.60	1/2	2,601.96
3/4		3/4		3/4	4,414.68	3/4	4,236.55	3/4	4,054.38	3/4	3,861.57	3/4	3,666.59	3/4	3,321.49	3/4	2,958.02	3/4	2,594.38
8		8		8	4,410.85	8	4,232.88	8	4,050.46	8	3,857.50	8	3,662.52	8	3,313.92	8	2,950.45	8	2,586.80
1/4		1/4		1/4	4,407.01	1/4	4,229.20	1/4	4,046.54	1/4	3,853.44	1/4	3,658.46	1/4	3,306.36	1/4	2,942.87	1/4	2,579.22
1/2		1/2		1/2	4,402.99	1/2	4,225.50	1/2	4,042.60	1/2	3,849.38	1/2	3,653.08	1/2	3,298.78	1/2	2,935.30	1/2	2,571.64
3/4		3/4		3/4	4,398.96	3/4	4,221.80	3/4	4,038.66	3/4	3,845.32	3/4	3,647.70	3/4	3,291.21	3/4	2,927.73	3/4	2,564.05
9		9		9	4,394.94	9	4,218.10	9	4,034.73	9	3,841.26	9	3,642.32	9	3,283.64	9	2,920.15	9	2,556.47
1/4		1/4		1/4	4,390.92	1/4	4,214.41	1/4	4,030.79	1/4	3,837.19	1/4	3,636.94	1/4	3,276.07	1/4	2,912.58	1/4	2,548.89
1/2		1/2		1/2	4,386.89	1/2	4,210.68	1/2	4,026.83	1/2	3,833.13	1/2	3,629.82	1/2	3,268.50	1/2	2,905.00	1/2	2,541.31
3/4		3/4		3/4	4,382.87	3/4	4,206.96	3/4	4,022.87	3/4	3,829.07	3/4	3,622.70	3/4	3,260.93	3/4	2,897.43	3/4	2,533.73
10		10		10	4,378.85	10	4,203.24	10	4,018.92	10	3,825.01	10	3,615.59	10	3,253.35	10	2,889.85	10	2,526.14
1/4		1/4		1/4	4,374.83	1/4	4,199.52	1/4	4,014.96	1/4	3,820.95	1/4	3,608.47	1/4	3,245.78	1/4	2,882.28	1/4	2,518.56
1/2		1/2		1/2	4,370.80	1/2	4,195.78	1/2	4,010.99	1/2	3,816.88	1/2	3,600.92	1/2	3,238.21	1/2	2,874.70	1/2	2,510.98
3/4		3/4		3/4	4,366.78	3/4	4,192.04	3/4	4,007.01	3/4	3,812.82	3/4	3,593.37	3/4	3,230.64	3/4	2,867.13	3/4	2,503.40
11		11		11	4,362.76	11	4,188.30	11	4,003.04	11	3,808.76	11	3,585.81	11	3,223.07	11	2,859.55	11	2,495.82
1/4		1/4		1/4	4,358.73	1/4	4,184.56	1/4	3,999.06	1/4	3,804.70	1/4	3,578.26	1/4	3,215.49	1/4	2,851.98	1/4	2,488.23
1/2		1/2		1/2	4,355.09	1/2	4,180.80	1/2	3,995.07	1/2	3,800.64	1/2	3,570.71	1/2	3,207.92	1/2	2,844.41	1/2	2,480.65
3/4		3/4		3/4	4,351.45	3/4	4,177.05	3/4	3,991.07	3/4	3,796.57	3/4	3,563.16	3/4	3,200.35	3/4	2,836.83	3/4	2,473.07

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 GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" 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 27314"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 16'-9 1/4"

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	2,465.49	0	2,101.56	0	1,743.74	0	1,379.74	0	1,015.96	0	652.30	0	288.32	0		0		0	
1/4	2,457.91	1/4	2,093.98	1/4	1,736.16	1/4	1,372.16	1/4	1,008.39	1/4	644.72	1/4	280.73	1/4	1/4		1/4	1/4	
1/2	2,450.33	1/2	2,086.93	1/2	1,728.57	1/2	1,364.58	1/2	1,000.82	1/2	637.14	1/2	273.15	1/2	1/2		1/2	1/2	
3/4	2,442.74	3/4	2,079.89	3/4	1,720.99	3/4	1,356.99	3/4	993.25	3/4	629.55	3/4	265.57	3/4	3/4		3/4	3/4	
1	2,435.16	1	2,072.84	1	1,713.41	1	1,349.41	1	985.69	1	621.97	1	257.98	1	1		1	1	
1/4	2,427.58	1/4	2,065.80	1/4	1,705.82	1/4	1,341.83	1/4	978.12	1/4	614.39	1/4	250.40	1/4	1/4		1/4	1/4	
1/2	2,420.00	1/2	2,058.94	1/2	1,698.24	1/2	1,334.24	1/2	970.55	1/2	606.81	1/2	242.82	1/2	1/2		1/2	1/2	
3/4	2,412.42	3/4	2,052.07	3/4	1,690.66	3/4	1,326.66	3/4	962.98	3/4	599.22	3/4	235.23	3/4	3/4		3/4	3/4	
2	2,404.83	2	2,045.21	2	1,683.07	2	1,319.08	2	955.41	2	591.64	2	227.65	2	2		2	2	
1/4	2,397.25	1/4	2,038.34	1/4	1,675.49	1/4	1,311.49	1/4	947.85	1/4	584.06	1/4	220.07	1/4	1/4		1/4	1/4	
1/2	2,389.67	1/2	2,030.97	1/2	1,667.91	1/2	1,303.91	1/2	940.28	1/2	576.47	1/2	212.48	1/2	1/2		1/2	1/2	
3/4	2,382.09	3/4	2,023.59	3/4	1,660.32	3/4	1,296.33	3/4	932.71	3/4	568.89	3/4	204.90	3/4	3/4		3/4	3/4	
3	2,374.51	3	2,016.21	3	1,652.74	3	1,288.74	3	925.14	3	561.31	3	197.32	3	3		3	3	
1/4	2,366.92	1/4	2,008.84	1/4	1,645.16	1/4	1,281.16	1/4	917.57	1/4	553.72	1/4	189.74	1/4	1/4		1/4	1/4	
1/2	2,359.34	1/2	2,001.29	1/2	1,637.57	1/2	1,273.58	1/2	910.01	1/2	546.14	1/2	182.15	1/2	1/2		1/2	1/2	
3/4	2,351.76	3/4	1,993.74	3/4	1,629.99	3/4	1,265.99	3/4	902.44	3/4	538.56	3/4	174.57	3/4	3/4		3/4	3/4	
4	2,344.18	4	1,986.19	4	1,622.41	4	1,258.41	4	894.87	4	530.97	4	166.99	4	4		4	4	
1/4	2,336.60	1/4	1,978.64	1/4	1,614.82	1/4	1,250.83	1/4	887.30	1/4	523.39	1/4	159.40	1/4	1/4		1/4	1/4	
1/2	2,329.01	1/2	1,971.10	1/2	1,607.24	1/2	1,243.24	1/2	879.73	1/2	515.81	1/2	151.82	1/2	1/2		1/2	1/2	
3/4	2,321.43	3/4	1,963.55	3/4	1,599.66	3/4	1,235.66	3/4	872.17	3/4	508.23	3/4	144.24	3/4	3/4		3/4	3/4	
5	2,313.85	5	1,956.00	5	1,592.07	5	1,228.08	5	864.60	5	500.64	5	136.66	5	5		5	5	
1/4	2,306.27	1/4	1,948.45	1/4	1,584.49	1/4	1,220.49	1/4	857.03	1/4	493.06	1/4	129.07	1/4	1/4		1/4	1/4	
1/2	2,298.69	1/2	1,940.88	1/2	1,576.91	1/2	1,212.91	1/2	849.45	1/2	485.48	1/2	121.50	1/2	1/2		1/2	1/2	
3/4	2,291.11	3/4	1,933.30	3/4	1,569.32	3/4	1,205.33	3/4	841.87	3/4	477.89	3/4	113.93	3/4	3/4		3/4	3/4	
6	2,283.52	6	1,925.73	6	1,561.74	6	1,197.74	6	834.29	6	470.31	6	106.35	6	6		6	6	
1/4	2,275.94	1/4	1,918.16	1/4	1,554.16	1/4	1,190.16	1/4	826.72	1/4	462.73	1/4	98.78	1/4	1/4		1/4	1/4	
1/2	2,268.36	1/2	1,910.57	1/2	1,546.57	1/2	1,182.58	1/2	819.13	1/2	455.14	1/2	91.22	1/2	1/2		1/2	1/2	
3/4	2,260.78	3/4	1,902.99	3/4	1,538.99	3/4	1,174.99	3/4	811.55	3/4	447.56	3/4	83.67	3/4	3/4		3/4	3/4	
7	2,253.20	7	1,895.41	7	1,531.41	7	1,167.41	7	803.97	7	439.98	7	76.12	7	7		7	7	
1/4	2,245.61	1/4	1,887.82	1/4	1,523.82	1/4	1,159.83	1/4	796.38	1/4	432.39	1/4	68.57	1/4	1/4		1/4	1/4	
1/2	2,238.03	1/2	1,880.24	1/2	1,516.24	1/2	1,152.25	1/2	788.80	1/2	424.81	1/2	61.00	1/2	1/2		1/2	1/2	
3/4	2,230.45	3/4	1,872.66	3/4	1,508.66	3/4	1,144.67	3/4	781.22	3/4	417.23	3/4	53.43	3/4	3/4		3/4	3/4	
8	2,222.87	8	1,865.07	8	1,501.07	8	1,137.09	8	773.63	8	409.65	8	45.85	8	8		8	8	
1/4	2,215.29	1/4	1,857.49	1/4	1,493.49	1/4	1,129.52	1/4	766.05	1/4	402.06	1/4	38.27	1/4	1/4		1/4	1/4	
1/2	2,207.70	1/2	1,849.91	1/2	1,485.91	1/2	1,121.94	1/2	758.47	1/2	394.48	1/2	30.70	1/2	1/2		1/2	1/2	
3/4	2,200.12	3/4	1,842.32	3/4	1,478.32	3/4	1,114.37	3/4	750.88	3/4	386.90	3/4	23.13	3/4	3/4		3/4	3/4	
9	2,192.54	9	1,834.74	9	1,470.74	9	1,106.79	9	743.30	9	379.31	9	15.55	9	9		9	9	
1/4	2,184.96	1/4	1,827.16	1/4	1,463.16	1/4	1,099.22	1/4	735.72	1/4	371.73	1/4	8.98	1/4	1/4		1/4	1/4	
1/2	2,177.38	1/2	1,819.57	1/2	1,455.57	1/2	1,091.65	1/2	728.14	1/2	364.15	1/2	1.41	1/2	1/2		1/2	1/2	
3/4	2,169.79	3/4	1,811.99	3/4	1,447.99	3/4	1,084.07	3/4	720.55	3/4	356.56	3/4		3/4	3/4		3/4	3/4	
10	2,162.21	10	1,804.41	10	1,440.41	10	1,076.50	10	712.97	10	348.98	10		10	10		10	10	
1/4	2,154.63	1/4	1,796.82	1/4	1,432.82	1/4	1,068.93	1/4	705.39	1/4	341.40	1/4		1/4	1/4		1/4	1/4	
1/2	2,147.05	1/2	1,789.24	1/2	1,425.24	1/2	1,061.37	1/2	697.80	1/2	333.81	1/2		1/2	1/2		1/2	1/2	
3/4	2,139.47	3/4	1,781.66	3/4	1,417.66	3/4	1,053.80	3/4	690.22	3/4	326.23	3/4		3/4	3/4		3/4	3/4	
11	2,131.89	11	1,774.07	11	1,410.07	11	1,046.23	11	682.64	11	318.65	11		11	11		11	11	
1/4	2,124.30	1/4	1,766.49	1/4	1,402.49	1/4	1,038.66	1/4	675.05	1/4	311.06	1/4		1/4	1/4		1/4	1/4	
1/2	2,116.72	1/2	1,758.91	1/2	1,394.91	1/2	1,031.09	1/2	667.47	1/2	303.48	1/2		1/2	1/2		1/2	1/2	
3/4	2,109.14	3/4	1,751.32	3/4	1,387.32	3/4	1,023.53	3/4	659.89	3/4	295.90	3/4		3/4	3/4		3/4	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 CL
NAME CHANGE: 09/18/2023 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

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



BARGE "KIRBY 27314"

SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "CTCO 343"

GAUGE HEIGHT 04'-7 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	782	0	1,564	0	2,345	0		0		0		0		0		0	
1/4	16	1/4	798	1/4	1,580	1/4	2,362	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	814	1/2	1,596	1/2	2,378	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	49	3/4	831	3/4	1,613	3/4	2,394	3/4		3/4		3/4		3/4		3/4		3/4	
1	65	1	847	1	1,629	1	2,411	1		1		1		1		1		1	
1/4	81	1/4	863	1/4	1,645	1/4	2,427	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	98	1/2	880	1/2	1,661	1/2	2,443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114	3/4	896	3/4	1,678	3/4	2,460	3/4		3/4		3/4		3/4		3/4		3/4	
2	130	2	912	2	1,694	2	2,476	2		2		2		2		2		2	
1/4	147	1/4	928	1/4	1,710	1/4	2,492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163	1/2	945	1/2	1,727	1/2	2,508	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	179	3/4	961	3/4	1,743	3/4	2,525	3/4		3/4		3/4		3/4		3/4		3/4	
3	195	3	977	3	1,759	3	2,541	3		3		3		3		3		3	
1/4	212	1/4	994	1/4	1,775	1/4	2,557	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	228	1/2	1,010	1/2	1,792	1/2	2,574	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	244	3/4	1,026	3/4	1,808	3/4	2,590	3/4		3/4		3/4		3/4		3/4		3/4	
4	261	4	1,042	4	1,824	4	2,606	4		4		4		4		4		4	
1/4	277	1/4	1,059	1/4	1,841	1/4	2,622	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	293	1/2	1,075	1/2	1,857	1/2	2,639	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	309	3/4	1,091	3/4	1,873	3/4	2,655	3/4		3/4		3/4		3/4		3/4		3/4	
5	326	5	1,108	5	1,889	5	2,671	5		5		5		5		5		5	
1/4	342	1/4	1,124	1/4	1,906	1/4	2,688	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	358	1/2	1,140	1/2	1,922	1/2	2,704	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375	3/4	1,156	3/4	1,938	3/4	2,720	3/4		3/4		3/4		3/4		3/4		3/4	
6	391	6	1,173	6	1,955	6	2,736	6		6		6		6		6		6	
1/4	407	1/4	1,189	1/4	1,971	1/4	2,753	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	423	1/2	1,205	1/2	1,987	1/2	2,769	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440	3/4	1,222	3/4	2,003	3/4	2,785	3/4		3/4		3/4		3/4		3/4		3/4	
7	456	7	1,238	7	2,020	7	2,802	7		7		7		7		7		7	
1/4	472	1/4	1,254	1/4	2,036	1/4	2,818	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	489	1/2	1,270	1/2	2,052	1/2	2,834	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	505	3/4	1,287	3/4	2,069	3/4	2,850	3/4		3/4		3/4		3/4		3/4		3/4	
8	521	8	1,303	8	2,085	8	2,867	8		8		8		8		8		8	
1/4	538	1/4	1,319	1/4	2,101	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	554	1/2	1,336	1/2	2,117	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	570	3/4	1,352	3/4	2,134	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	586	9	1,368	9	2,150	9		9		9		9		9		9		9	
1/4	603	1/4	1,384	1/4	2,166	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	619	1/2	1,401	1/2	2,183	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	635	3/4	1,417	3/4	2,199	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	652	10	1,433	10	2,215	10		10		10		10		10		10		10	
1/4	668	1/4	1,450	1/4	2,231	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	684	1/2	1,466	1/2	2,248	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	700	3/4	1,482	3/4	2,264	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	717	11	1,499	11	2,280	11		11		11		11		11		11		11	
1/4	733	1/4	1,515	1/4	2,297	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	749	1/2	1,531	1/2	2,313	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	766	3/4	1,547	3/4	2,329	3/4		3/4		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 AT GAUGE POINT.

STRAPPED: 10/02/2015 CL
VERIFIED: 09/14/2023 JS
NAME CHANGE: 09/18/23 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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