BARGE "KIRBY 10090"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**
1 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
2 CENTER	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	00-1/2	- 00-1/2
3 CENTER	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

(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 CENTER IS - 00-1/4"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 163'-06"

January 31, 2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net

BARGE "KIRBY 10090"

1 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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		0		0	3,559.45	0	3,306.17	0	3,052.89	0	2,793.93	0	2,497.90	0	2,201.16
1/4		1/4		1/4		1/4		1/4	3,554.18	1/4	3,300.89	1/4	3,047.61	1/4	2,787.76	1/4	2,491.72	1/4	2,194.98
1/2		1/2		1/2		1/2	3,770.06	1/2	3,548.90	1/2	3,295.62	1/2	3,042.34	1/2	2,781.60	1/2	2,485.53	1/2	2,188.79
3/4		3/4		3/4		3/4	3,769.03	3/4	3,543.62	3/4	3,290.34	3/4	3,037.06	3/4	2,775.44	3/4	2,479.35	3/4	2,182.61
1		1		1		1	3,767.99	1	3,538.35	1	3,285.06	1	3,031.78	1	2,769.27	1	2,473.17	1	2,176.43
1/4		1/4		1/4		1/4	3,766.96	1/4	3,533.07	1/4	3,279.79	1/4	3,026.51	1/4	2,763.11	1/4	2,466.99	1/4	2,170.25
1/2		1/2		1/2		1/2	3,765.92	1/2	3,527.79	1/2	3,274.51	1/2	3,021.23	1/2	2,756.95	1/2	2,460.81	1/2	2,164.07
3/4		3/4		3/4		3/4	3,762.82	3/4	3,522.51	3/4	3,269.23	3/4	3,015.95	3/4	2,750.78	3/4	2,454.62	3/4	2,157.88
2		2		2		2	3,759.72	2	3,517.24	2	3,263.96	2	3,010.68	2	2,744.62	2	2,448.44	2	2,151.70
1/4		1/4		1/4		1/4	3,756.61	1/4	3,511.96	1/4	3,258.68	1/4	3,005.40	1/4	2,738.46	1/4	2,442.26	1/4	2,145.52
1/2		1/2		1/2		1/2	3,753.51	1/2	3,506.68	1/2	3,253.40	1/2	3,000.12	1/2	2,732.29	1/2	2,436.08	1/2	2,139.34
3/4		3/4		3/4		3/4	3,749.35	3/4	3,501.41	3/4	3,248.13	3/4	2,994.84	3/4	2,726.13	3/4	2,429.90	3/4	2,133.16
3		3		3		3	3,745.20	3	3,496.13	3	3,242.85	3	2,989.57	3	2,719.97	3	2,423.71	3	2,126.97
1/4		1/4		1/4		1/4	3,741.04	1/4	3,490.85	1/4	3,237.57	1/4	2,984.29	1/4	2,713.80	1/4	2,417.53	1/4	2,120.79
1/2		1/2		1/2		1/2	3,736.89	1/2	3,485.58	1/2	3,232.30	1/2	2,979.01	1/2	2,707.64	1/2	2,411.35	1/2	2,114.61
3/4		3/4		3/4		3/4	3,731.74	3/4	3,480.30	3/4	3,227.02	3/4	2,973.74	3/4	2,701.48	3/4	2,405.17	3/4	2,108.43
4		4		4		4	3,726.60	4	3,475.02	4	3,221.74	4	2,968.46	4	2,695.31	4	2,398.99	4	2,102.24
1/4		1/4		1/4		1/4	3,721.46	1/4	3,469.75	1/4	3,216.47	1/4	2,963.18	1/4	2,689.15	1/4	2,392.80	1/4	2,096.06
1/2		1/2		1/2		1/2	3,716.32	1/2	3,464.47	1/2	3,211.19	1/2	2,957.91	1/2	2,682.99	1/2	2,386.62	1/2	2,089.88
3/4		3/4		3/4		3/4	3,711.14	3/4	3,459.19	3/4	3,205.91	3/4	2,952.63	3/4	2,676.82	3/4	2,380.44	3/4	2,083.70
5		5		5		5	3,705.96	5	3,453.92	5	3,200.64	5	2,947.35	5	2,670.66	5	2,374.26	5	2,077.52
1/4		1/4		1/4		1/4	3,700.78	1/4	3,448.64	1/4	3,195.36	1/4	2,942.08	1/4	2,664.50	1/4	2,368.07	1/4	2,071.33
1/2		1/2		1/2		1/2	3,695.61	1/2	3,443.36	1/2	3,190.08	1/2	2,936.80	1/2	2,658.33	1/2	2,361.89	1/2	2,065.15
3/4		3/4		3/4		3/4	3,690.42	3/4	3,438.09	3/4	3,184.81	3/4	2,931.52	3/4	2,652.17	3/4	2,355.71	3/4	2,058.97
6		6		6		6	3,685.22	6	3,432.81	6	3,179.53	6	2,926.25	6	2,646.01	6	2,349.53	6	2,052.79
1/4		1/4		1/4		1/4	3,680.03	1/4	3,427.53	1/4	3,174.25	1/4	2,920.97	1/4	2,639.84	1/4	2,343.35	1/4	2,046.61
1/2		1/2		1/2		1/2	3,674.84	1/2	3,422.26	1/2	3,168.98	1/2	2,915.69	1/2	2,633.68	1/2	2,337.16	1/2	2,040.42
3/4		3/4		3/4		3/4	3,669.65	3/4	3,416.98	3/4	3,163.70	3/4	2,910.42	3/4	2,627.52	3/4	2,330.98	3/4	2,034.24
7		7		7		7	3,664.46	7	3,411.70	7	3,158.42	7	2,905.14	7	2,621.35	7	2,324.80	7	2,028.06
1/4		1/4		1/4		1/4	3,659.27	1/4	3,406.43	1/4	3,153.15	1/4	2,899.86	1/4	2,615.19	1/4	2,318.62	1/4	2,021.88
1/2		1/2		1/2		1/2	3,654.08	1/2	3,401.15	1/2	3,147.87	1/2	2,894.59	1/2	2,609.03	1/2	2,312.44	1/2	2,015.70
3/4		3/4		3/4		3/4	3,648.89	3/4	3,395.87	3/4	3,142.59	3/4	2,889.31	3/4	2,602.86	3/4	2,306.25	3/4	2,009.51
8		8		8		8	3,643.70	8	3,390.60	8	3,137.32	8	2,884.03	8	2,596.70	8	2,300.07	8	2,003.33
1/4		1/4		1/4		1/4	3,638.51	1/4	3,385.32	1/4	3,132.04	1/4	2,878.76	1/4	2,590.54	1/4	2,293.89	1/4	1,997.15
1/2		1/2		1/2		1/2	3,633.33	1/2	3,380.04	1/2	3,126.76	1/2	2,873.48	1/2	2,584.37	1/2	2,287.71	1/2	1,990.97
3/4		3/4		3/4		3/4	3,628.05	3/4	3,374.77	3/4	3,121.49	3/4	2,868.18	3/4	2,578.21	3/4	2,281.53	3/4	1,984.78
9		9		9		9	3,622.77	9	3,369.49	9	3,116.21	9	2,862.88	9	2,572.05	9	2,275.34	9	1,978.60
1/4		1/4		1/4		1/4	3,617.50	1/4	3,364.21	1/4	3,110.93	1/4	2,857.58	1/4	2,565.88	1/4	2,269.16	1/4	1,972.42
1/2		1/2		1/2		1/2	3,612.22	1/2	3,358.94	1/2	3,105.66	1/2	2,852.27	1/2	2,559.72	1/2	2,262.98	1/2	1,966.24
3/4		3/4		3/4		3/4	3,606.94	3/4	3,353.66	3/4	3,100.38	3/4	2,846.97	3/4	2,553.54	3/4	2,256.80	3/4	1,960.06
10		10		10		10	3,601.67	10	3,348.38	10	3,095.10	10	2,841.67	10	2,547.36	10	2,250.62	10	1,953.87
1/4		1/4		1/4		1/4	3,596.39	1/4	3,343.11	1/4	3,089.83	1/4	2,836.37	1/4	2,541.17	1/4	2,244.43	1/4	1,947.69
1/2		1/2		1/2		1/2	3,591.11	1/2	3,337.83	1/2	3,084.55	1/2	2,831.07	1/2	2,534.99	1/2	2,238.25	1/2	1,941.51
3/4		3/4		3/4		3/4	3,585.84	3/4	3,332.55	3/4	3,079.27	3/4	2,824.86	3/4	2,528.81	3/4	2,232.07	3/4	1,935.33
11		11		11		11	3,580.56	11	3,327.28	11	3,074.00	11	2,818.66	11	2,522.63	11	2,225.89	11	1,929.15
1/4		1/4		1/4		1/4	3,575.28	1/4	3,322.00	1/4	3,068.72	1/4	2,812.46	1/4	2,516.45	1/4	2,219.70	1/4	1,922.96
1/2		1/2		1/2		1/2	3,570.01	1/2	3,316.72	1/2	3,063.44	1/2	2,806.25	1/2	2,510.26	1/2	2,213.52	1/2	1,916.78
3/4		3/4		3/4		3/4	3,564.73	3/4	3,311.45	3/4	3,058.17	3/4	2,800.09	3/4	2,504.08	3/4	2,207.34	3/4	1,910.60

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" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 10090"

1 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	1,904.42	0	1,607.46	0	1,310.31	0	1,013.16	0	721.86	0	424.78	0	127.42	0		0		0	
1/4	1,898.24	1/4	1,601.27	1/4	1,304.12	1/4	1,006.97	1/4	715.76	1/4	418.59	1/4	121.23	1/4		1/4		1/4	
1/2	1,892.05	1/2	1,595.09	1/2	1,297.93	1/2	1,000.78	1/2	709.67	1/2	412.39	1/2	115.04	1/2		1/2		1/2	
3/4	1,885.87	3/4	1,588.90	3/4	1,291.74	3/4	994.59	3/4	703.49	3/4	406.20	3/4	108.87	3/4		3/4		3/4	
1	1,879.69	1	1,582.70	1	1,285.55	1	988.40	1	697.31	1	400.00	1	102.71	1		1		1	
1/4	1,873.51	1/4	1,576.51	1/4	1,279.36	1/4	982.21	1/4	691.14	1/4	393.81	1/4	96.54	1/4		1/4		1/4	
1/2	1,867.32	1/2	1,570.32	1/2	1,273.17	1/2	976.02	1/2	684.96	1/2	387.61	1/2	90.37	1/2		1/2		1/2	
3/4	1,861.14	3/4	1,564.13	3/4	1,266.98	3/4	969.89	3/4	678.77	3/4	381.42	3/4	84.24	3/4		3/4		3/4	
2	1,854.96	2	1,557.94	2	1,260.79	2	963.76	2	672.57	2	375.22	2	78.10	2		2		2	
1/4	1,848.78	1/4	1,551.75	1/4	1,254.60	1/4	957.63	1/4	666.38	1/4	369.03	1/4	71.97	1/4		1/4		1/4	
1/2	1,842.60	1/2	1,545.56	1/2	1,248.41	1/2	951.51	1/2	660.18	1/2	362.83	1/2	65.83	1/2		1/2		1/2	
3/4	1,836.41	3/4	1,539.37	3/4	1,242.22	3/4	945.44	3/4	653.99	3/4	356.64	3/4	59.75	3/4		3/4		3/4	
3	1,830.23	3	1,533.18	3	1,236.03	3	939.38	3	647.80	3	350.44	3	53.67	3		3		3	
1/4	1,824.05	1/4	1,526.99	1/4	1,229.83	1/4	933.31	1/4	641.60	1/4	344.25	1/4	47.60	1/4		1/4		1/4	
1/2	1,817.87	1/2	1,520.80	1/2	1,223.64	1/2	927.25	1/2	635.41	1/2	338.05	1/2	41.52	1/2		1/2		1/2	
3/4	1,811.68	3/4	1,514.61	3/4	1,217.45	3/4	921.18	3/4	629.22	3/4	331.86	3/4	36.35	3/4		3/4		3/4	
4	1,805.49	4	1,508.42	4	1,211.26	4	915.12	4	623.02	4	325.66	4	31.19	4		4		4	
1/4	1,799.30	1/4	1,502.23	1/4	1,205.07	1/4	909.06	1/4	616.83	1/4	319.47	1/4	26.03	1/4		1/4		1/4	
1/2	1,793.11	1/2	1,496.03	1/2	1,198.88	1/2	902.99	1/2	610.63	1/2	313.27	1/2	20.86	1/2		1/2		1/2	
3/4	1,786.92	3/4	1,489.84	3/4	1,192.69	3/4	896.94	3/4	604.44	3/4	307.08	3/4	17.76	3/4		3/4		3/4	
5	1,780.73	5	1,483.65	5	1,186.50	5	890.90	5	598.24	5	300.88	5	14.66	5		5		5	
1/4	1,774.54	1/4	1,477.46	1/4	1,180.31	1/4	884.85	1/4	592.05	1/4	294.69	1/4	11.56	1/4		1/4		1/4	
1/2	1,768.34	1/2	1,471.27	1/2	1,174.12	1/2	878.80	1/2	585.85	1/2	288.49	1/2	8.45	1/2		1/2		1/2	
3/4	1,762.15	3/4	1,465.08	3/4	1,167.93	3/4	872.77	3/4	579.66	3/4	282.30	3/4	7.42	3/4		3/4		3/4	
6	1,755.96	6	1,458.89	6	1,161.74	6	866.74	6	573.46	6	276.10	6	6.38	6		6		6	
1/4	1,749.77	1/4	1,452.70	1/4	1,155.55	1/4	860.71	1/4	567.27	1/4	269.91	1/4	5.35	1/4		1/4		1/4	
1/2	1,743.58	1/2	1,446.51	1/2	1,149.36	1/2	854.67	1/2	561.07	1/2	263.71	1/2	4.32	1/2		1/2		1/2	
3/4	1,737.39	3/4	1,440.32	3/4	1,143.16	3/4	848.64	3/4	554.88	3/4	257.52	3/4		3/4		3/4		3/4	
7	1,731.20	7	1,434.13	7	1,136.97	7	842.61	7	548.68	7	251.32	7		7		7		7	
1/4	1,725.02	1/4	1,427.94	1/4	1,130.78	1/4	836.58	1/4	542.49	1/4	245.13	1/4		1/4		1/4		1/4	
1/2	1,718.83	1/2	1,421.75	1/2	1,124.59	1/2	830.55	1/2	536.29	1/2	238.93	1/2		1/2		1/2		1/2	
3/4	1,712.64	3/4	1,415.56	3/4	1,118.40	3/4	824.52	3/4	530.10	3/4	232.74	3/4		3/4		3/4		3/4	
8	1,706.45	8	1,409.37	8	1,112.21	8	818.49	8	523.90	8	226.54	8		8		8		8	
1/4	1,700.27	1/4	1,403.17	1/4	1,106.02	1/4	812.46	1/4	517.71	1/4	220.35	1/4		1/4		1/4		1/4	
1/2	1,694.08	1/2	1,396.98	1/2	1,099.83	1/2	806.42	1/2	511.51	1/2	214.15	1/2		1/2		1/2		1/2	
3/4	1,687.89	3/4	1,390.79	3/4	1,093.64	3/4	800.39	3/4	505.32	3/4	207.96	3/4		3/4		3/4		3/4	
9	1,681.70	9	1,384.60	9	1,087.45	9	794.36	9	499.12	9	201.76	9		9		9		9	
1/4	1,675.52	1/4	1,378.41	1/4	1,081.26	1/4	788.33	1/4	492.93	1/4	195.57	1/4		1/4		1/4		1/4	
1/2	1,669.33	1/2	1,372.22	1/2	1,075.07	1/2	782.30	1/2	486.73	1/2	189.37	1/2		1/2		1/2		1/2	
3/4	1,663.14	3/4	1,366.03	3/4	1,068.88	3/4	776.27	3/4	480.54	3/4	183.18	3/4		3/4		3/4		3/4	
10	1,656.96	10	1,359.84	10	1,062.69	10	770.24	10	474.34	10	176.98	10		10		10		10	
1/4	1,650.77	1/4	1,353.65	1/4	1,056.50	1/4	764.20	1/4	468.15	1/4	170.79	1/4		1/4		1/4		1/4	
1/2	1,644.58	1/2	1,347.46	1/2	1,050.30	1/2	758.17	1/2	461.95	1/2	164.59	1/2		1/2		1/2		1/2	
3/4	1,638.40	3/4	1,341.27	3/4	1,044.11	3/4	752.14	3/4	455.76	3/4	158.39	3/4		3/4		3/4		3/4	
11	1,632.21	11	1,335.08	11	1,037.92	11	746.11	11	449.56	11	152.19	11		11		11		11	
1/4	1,626.02	1/4	1,328.89	1/4	1,031.73	1/4	740.08	1/4	443.37	1/4	145.99	1/4		1/4		1/4		1/4	
1/2	1,619.83	1/2	1,322.70	1/2	1,025.54	1/2	734.05	1/2	437.17	1/2	139.79	1/2		1/2		1/2		1/2	
3/4	1,613.65	3/4	1,316.50	3/4	1,019.35	3/4	727.95	3/4	430.98	3/4	133.60	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/06/2014 CL
CALCULATED: 01/06/2014 CL
VERIFIED: 01/31/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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

BARGE "KIRBY 10090"

2 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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		0		0	3,268.88	0	3,007.15	0	2,745.43	0	2,483.35	0	2,220.23	0	1,957.10
1/4		1/4		1/4		1/4		1/4	3,263.43	1/4	3,001.70	1/4	2,739.98	1/4	2,477.87	1/4	2,214.75	1/4	1,951.62
1/2		1/2		1/2		1/2		1/2	3,257.97	1/2	2,996.25	1/2	2,734.52	1/2	2,472.39	1/2	2,209.26	1/2	1,946.14
3/4		3/4		3/4		3/4		3/4	3,252.52	3/4	2,990.80	3/4	2,729.07	3/4	2,466.91	3/4	2,203.78	3/4	1,940.66
1		1		1		1	3,473.59	1	3,247.07	1	2,985.34	1	2,723.62	1	2,461.43	1	2,198.30	1	1,935.17
1/4		1/4		1/4		1/4	3,472.68	1/4	3,241.62	1/4	2,979.89	1/4	2,718.17	1/4	2,455.94	1/4	2,192.82	1/4	1,929.69
1/2		1/2		1/2		1/2	3,471.76	1/2	3,236.16	1/2	2,974.44	1/2	2,712.71	1/2	2,450.46	1/2	2,187.34	1/2	1,924.21
3/4		3/4		3/4		3/4	3,470.85	3/4	3,230.71	3/4	2,968.99	3/4	2,707.26	3/4	2,444.98	3/4	2,181.85	3/4	1,918.73
2		2		2		2	3,469.94	2	3,225.26	2	2,963.53	2	2,701.81	2	2,439.50	2	2,176.37	2	1,913.25
1/4		1/4		1/4		1/4	3,467.19	1/4	3,219.81	1/4	2,958.08	1/4	2,696.36	1/4	2,434.02	1/4	2,170.89	1/4	1,907.76
1/2		1/2		1/2		1/2	3,464.45	1/2	3,214.35	1/2	2,952.63	1/2	2,690.90	1/2	2,428.54	1/2	2,165.41	1/2	1,902.28
3/4		3/4		3/4		3/4	3,461.71	3/4	3,208.90	3/4	2,947.18	3/4	2,685.45	3/4	2,423.05	3/4	2,159.93	3/4	1,896.80
3		3		3		3	3,458.96	3	3,203.45	3	2,941.72	3	2,680.00	3	2,417.57	3	2,154.45	3	1,891.32
1/4		1/4		1/4		1/4	3,454.52	1/4	3,197.99	1/4	2,936.27	1/4	2,674.55	1/4	2,412.09	1/4	2,148.96	1/4	1,885.84
1/2		1/2		1/2		1/2	3,450.08	1/2	3,192.54	1/2	2,930.82	1/2	2,669.09	1/2	2,406.61	1/2	2,143.48	1/2	1,880.36
3/4		3/4		3/4		3/4	3,445.64	3/4	3,187.09	3/4	2,925.36	3/4	2,663.64	3/4	2,401.13	3/4	2,138.00	3/4	1,874.87
4		4		4		4	3,441.20	4	3,181.64	4	2,919.91	4	2,658.19	4	2,395.65	4	2,132.52	4	1,869.39
1/4		1/4		1/4		1/4	3,435.89	1/4	3,176.18	1/4	2,914.46	1/4	2,652.73	1/4	2,390.16	1/4	2,127.04	1/4	1,863.91
1/2		1/2		1/2		1/2	3,430.57	1/2	3,170.73	1/2	2,909.01	1/2	2,647.28	1/2	2,384.68	1/2	2,121.56	1/2	1,858.43
3/4		3/4		3/4		3/4	3,425.26	3/4	3,165.28	3/4	2,903.55	3/4	2,641.83	3/4	2,379.20	3/4	2,116.07	3/4	1,852.95
5		5		5		5	3,419.95	5	3,159.83	5	2,898.10	5	2,636.38	5	2,373.72	5	2,110.59	5	1,847.47
1/4		1/4		1/4		1/4	3,414.60	1/4	3,154.37	1/4	2,892.65	1/4	2,630.92	1/4	2,368.24	1/4	2,105.11	1/4	1,841.98
1/2		1/2		1/2		1/2	3,409.26	1/2	3,148.92	1/2	2,887.20	1/2	2,625.47	1/2	2,362.75	1/2	2,099.63	1/2	1,836.50
3/4		3/4		3/4		3/4	3,403.91	3/4	3,143.47	3/4	2,881.74	3/4	2,620.02	3/4	2,357.27	3/4	2,094.15	3/4	1,831.02
6		6		6		6	3,398.57	6	3,138.02	6	2,876.29	6	2,614.57	6	2,351.79	6	2,088.66	6	1,825.54
1/4		1/4		1/4		1/4	3,393.21	1/4	3,132.56	1/4	2,870.84	1/4	2,609.11	1/4	2,346.31	1/4	2,083.18	1/4	1,820.06
1/2		1/2		1/2		1/2	3,387.85	1/2	3,127.11	1/2	2,865.39	1/2	2,603.66	1/2	2,340.83	1/2	2,077.70	1/2	1,814.57
3/4		3/4		3/4		3/4	3,382.50	3/4	3,121.66	3/4	2,859.93	3/4	2,598.21	3/4	2,335.35	3/4	2,072.22	3/4	1,809.09
7		7		7		7	3,377.14	7	3,116.21	7	2,854.48	7	2,592.76	7	2,329.86	7	2,066.74	7	1,803.61
1/4		1/4		1/4		1/4	3,371.79	1/4	3,110.75	1/4	2,849.03	1/4	2,587.30	1/4	2,324.38	1/4	2,061.26	1/4	1,798.13
1/2		1/2		1/2		1/2	3,366.43	1/2	3,105.30	1/2	2,843.58	1/2	2,581.85	1/2	2,318.90	1/2	2,055.77	1/2	1,792.65
3/4		3/4		3/4		3/4	3,361.08	3/4	3,099.85	3/4	2,838.12	3/4	2,576.40	3/4	2,313.42	3/4	2,050.29	3/4	1,787.17
8		8		8		8	3,355.73	8	3,094.40	8	2,832.67	8	2,570.95	8	2,307.94	8	2,044.81	8	1,781.68
1/4		1/4		1/4		1/4	3,350.37	1/4	3,088.94	1/4	2,827.22	1/4	2,565.49	1/4	2,302.45	1/4	2,039.33	1/4	1,776.20
1/2		1/2		1/2		1/2	3,345.02	1/2	3,083.49	1/2	2,821.77	1/2	2,560.04	1/2	2,296.97	1/2	2,033.85	1/2	1,770.72
3/4		3/4		3/4		3/4	3,339.66	3/4	3,078.04	3/4	2,816.31	3/4	2,554.59	3/4	2,291.49	3/4	2,028.36	3/4	1,765.24
9		9		9		9	3,334.31	9	3,072.59	9	2,810.86	9	2,549.14	9	2,286.01	9	2,022.88	9	1,759.76
1/4		1/4		1/4		1/4	3,328.86	1/4	3,067.13	1/4	2,805.41	1/4	2,543.65	1/4	2,280.53	1/4	2,017.40	1/4	1,754.27
1/2		1/2		1/2		1/2	3,323.40	1/2	3,061.68	1/2	2,799.96	1/2	2,538.17	1/2	2,275.05	1/2	2,011.92	1/2	1,748.79
3/4		3/4		3/4		3/4	3,317.95	3/4	3,056.23	3/4	2,794.50	3/4	2,532.69	3/4	2,269.56	3/4	2,006.44	3/4	1,743.31
10		10		10		10	3,312.50	10	3,050.77	10	2,789.05	10	2,527.21	10	2,264.08	10	2,000.96	10	1,737.83
1/4		1/4		1/4		1/4	3,307.05	1/4	3,045.32	1/4	2,783.60	1/4	2,521.73	1/4	2,258.60	1/4	1,995.47	1/4	1,732.35
1/2		1/2		1/2		1/2	3,301.59	1/2	3,039.87	1/2	2,778.14	1/2	2,516.24	1/2	2,253.12	1/2	1,989.99	1/2	1,726.87
3/4		3/4		3/4		3/4	3,296.14	3/4	3,034.42	3/4	2,772.69	3/4	2,510.76	3/4	2,247.64	3/4	1,984.51	3/4	1,721.38
11		11		11		11	3,290.69	11	3,028.96	11	2,767.24	11	2,505.28	11	2,242.15	11	1,979.03	11	1,715.90
1/4		1/4		1/4		1/4	3,285.24	1/4	3,023.51	1/4	2,761.79	1/4	2,499.80	1/4	2,236.67	1/4	1,973.55	1/4	1,710.42
1/2		1/2		1/2		1/2	3,279.78	1/2	3,018.06	1/2	2,756.33	1/2	2,494.32	1/2	2,231.19	1/2	1,968.06	1/2	1,704.94
3/4		3/4		3/4		3/4	3,274.33	3/4	3,012.61	3/4	2,750.88	3/4	2,488.84	3/4	2,225.71	3/4	1,962.58	3/4	1,699.46

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" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 10090"

2 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	1,693.97	0	1,430.85	0	1,167.57	0	905.80	0	646.75	0	383.65	0	120.40	0		0		0	
1/4	1,688.49	1/4	1,425.37	1/4	1,162.08	1/4	900.40	1/4	641.31	1/4	378.17	1/4	114.93	1/4		1/4		1/4	
1/2	1,683.01	1/2	1,419.88	1/2	1,156.60	1/2	895.00	1/2	635.87	1/2	372.68	1/2	109.46	1/2		1/2		1/2	
3/4	1,677.53	3/4	1,414.40	3/4	1,151.11	3/4	889.60	3/4	630.42	3/4	367.20	3/4	104.00	3/4		3/4		3/4	
1	1,672.05	1	1,408.92	1	1,145.63	1	884.20	1	624.98	1	361.71	1	98.53	1		1		1	
1/4	1,666.57	1/4	1,403.44	1/4	1,140.14	1/4	878.80	1/4	619.50	1/4	356.23	1/4	93.08	1/4		1/4		1/4	
1/2	1,661.08	1/2	1,397.95	1/2	1,134.66	1/2	873.40	1/2	614.01	1/2	350.74	1/2	87.63	1/2		1/2		1/2	
3/4	1,655.60	3/4	1,392.47	3/4	1,129.17	3/4	868.00	3/4	608.53	3/4	345.26	3/4	82.18	3/4		3/4		3/4	
2	1,650.12	2	1,386.98	2	1,123.69	2	862.60	2	603.05	2	339.77	2	76.73	2		2		2	
1/4	1,644.64	1/4	1,381.49	1/4	1,118.20	1/4	857.19	1/4	597.56	1/4	334.29	1/4	71.30	1/4		1/4		1/4	
1/2	1,639.16	1/2	1,376.01	1/2	1,112.71	1/2	851.79	1/2	592.08	1/2	328.80	1/2	65.88	1/2		1/2		1/2	
3/4	1,633.67	3/4	1,370.52	3/4	1,107.23	3/4	846.39	3/4	586.59	3/4	323.32	3/4	60.46	3/4		3/4		3/4	
3	1,628.19	3	1,365.04	3	1,101.74	3	840.99	3	581.11	3	317.83	3	55.04	3		3		3	
1/4	1,622.71	1/4	1,359.55	1/4	1,096.26	1/4	835.59	1/4	575.62	1/4	312.35	1/4	49.67	1/4		1/4		1/4	
1/2	1,617.23	1/2	1,354.07	1/2	1,090.77	1/2	830.19	1/2	570.14	1/2	306.86	1/2	44.30	1/2		1/2		1/2	
3/4	1,611.75	3/4	1,348.58	3/4	1,085.29	3/4	824.79	3/4	564.65	3/4	301.38	3/4	38.93	3/4		3/4		3/4	
4	1,606.27	4	1,343.10	4	1,079.80	4	819.39	4	559.17	4	295.89	4	33.55	4		4		4	
1/4	1,600.78	1/4	1,337.61	1/4	1,074.32	1/4	814.00	1/4	553.68	1/4	290.41	1/4	28.99	1/4		1/4		1/4	
1/2	1,595.30	1/2	1,332.13	1/2	1,068.83	1/2	808.60	1/2	548.20	1/2	284.92	1/2	24.43	1/2		1/2		1/2	
3/4	1,589.82	3/4	1,326.64	3/4	1,063.35	3/4	803.21	3/4	542.71	3/4	279.44	3/4	19.87	3/4		3/4		3/4	
5	1,584.34	5	1,321.16	5	1,057.86	5	797.81	5	537.23	5	273.95	5	15.30	5		5		5	
1/4	1,578.86	1/4	1,315.67	1/4	1,052.38	1/4	792.42	1/4	531.74	1/4	268.47	1/4	12.56	1/4		1/4		1/4	
1/2	1,573.38	1/2	1,310.19	1/2	1,046.89	1/2	787.02	1/2	526.26	1/2	262.98	1/2	9.82	1/2		1/2		1/2	
3/4	1,567.89	3/4	1,304.70	3/4	1,041.41	3/4	781.63	3/4	520.77	3/4	257.50	3/4	7.08	3/4		3/4		3/4	
6	1,562.41	6	1,299.22	6	1,035.92	6	776.23	6	515.29	6	252.01	6	4.33	6		6		6	
1/4	1,556.93	1/4	1,293.73	1/4	1,030.44	1/4	770.84	1/4	509.80	1/4	246.53	1/4	3.42	1/4		1/4		1/4	
1/2	1,551.45	1/2	1,288.24	1/2	1,024.95	1/2	765.44	1/2	504.32	1/2	241.04	1/2	2.51	1/2		1/2		1/2	
3/4	1,545.97	3/4	1,282.76	3/4	1,019.46	3/4	760.04	3/4	498.83	3/4	235.56	3/4	1.59	3/4		3/4		3/4	
7	1,540.48	7	1,277.27	7	1,013.98	7	754.65	7	493.35	7	230.07	7	0.68	7		7		7	
1/4	1,535.00	1/4	1,271.79	1/4	1,008.54	1/4	749.25	1/4	487.86	1/4	224.59	1/4		1/4		1/4		1/4	
1/2	1,529.52	1/2	1,266.30	1/2	1,003.09	1/2	743.86	1/2	482.38	1/2	219.10	1/2		1/2		1/2		1/2	
3/4	1,524.04	3/4	1,260.82	3/4	997.65	3/4	738.46	3/4	476.89	3/4	213.62	3/4		3/4		3/4		3/4	
8	1,518.56	8	1,255.33	8	992.20	8	733.07	8	471.41	8	208.13	8		8		8		8	
1/4	1,513.08	1/4	1,249.85	1/4	986.80	1/4	727.67	1/4	465.92	1/4	202.65	1/4		1/4		1/4		1/4	
1/2	1,507.59	1/2	1,244.36	1/2	981.40	1/2	722.28	1/2	460.44	1/2	197.16	1/2		1/2		1/2		1/2	
3/4	1,502.11	3/4	1,238.88	3/4	976.00	3/4	716.88	3/4	454.95	3/4	191.68	3/4		3/4		3/4		3/4	
9	1,496.63	9	1,233.39	9	970.60	9	711.49	9	449.47	9	186.19	9		9		9		9	
1/4	1,491.15	1/4	1,227.91	1/4	965.20	1/4	706.09	1/4	443.98	1/4	180.71	1/4		1/4		1/4		1/4	
1/2	1,485.67	1/2	1,222.42	1/2	959.80	1/2	700.70	1/2	438.50	1/2	175.22	1/2		1/2		1/2		1/2	
3/4	1,480.18	3/4	1,216.94	3/4	954.40	3/4	695.30	3/4	433.01	3/4	169.74	3/4		3/4		3/4		3/4	
10	1,474.70	10	1,211.45	10	949.00	10	689.91	10	427.53	10	164.25	10		10		10		10	
1/4	1,469.22	1/4	1,205.96	1/4	943.60	1/4	684.51	1/4	422.04	1/4	158.77	1/4		1/4		1/4		1/4	
1/2	1,463.74	1/2	1,200.48	1/2	938.20	1/2	679.12	1/2	416.56	1/2	153.29	1/2		1/2		1/2		1/2	
3/4	1,458.26	3/4	1,194.99	3/4	932.80	3/4	673.72	3/4	411.07	3/4	147.80	3/4		3/4		3/4		3/4	
11	1,452.78	11	1,189.51	11	927.40	11	668.33	11	405.59	11	142.32	11		11		11		11	
1/4	1,447.29	1/4	1,184.02	1/4	922.00	1/4	662.93	1/4	400.10	1/4	136.84	1/4		1/4		1/4		1/4	
1/2	1,441.81	1/2	1,178.54	1/2	916.60	1/2	657.54	1/2	394.62	1/2	131.36	1/2		1/2		1/2		1/2	
3/4	1,436.33	3/4	1,173.05	3/4	911.20	3/4	652.14	3/4	389.14	3/4	125.88	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/06/2014 CL
CALCULATED: 01/06/2014 CL
VERIFIED: 01/31/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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

BARGE "KIRBY 10090"

3 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0	3,244.16	0	2,984.34	0	2,724.51	0	2,464.30	0	2,203.07	0	1,941.84
1/4		1/4		1/4		1/4		1/4	3,238.75	1/4	2,978.92	1/4	2,719.09	1/4	2,458.86	1/4	2,197.63	1/4	1,936.40
1/2		1/2		1/2		1/2		1/2	3,233.34	1/2	2,973.51	1/2	2,713.68	1/2	2,453.41	1/2	2,192.18	1/2	1,930.95
3/4		3/4		3/4		3/4	3,452.81	3/4	3,227.92	3/4	2,968.10	3/4	2,708.27	3/4	2,447.97	3/4	2,186.74	3/4	1,925.51
1		1		1		1	3,451.90	1	3,222.51	1	2,962.68	1	2,702.85	1	2,442.53	1	2,181.30	1	1,920.07
1/4		1/4		1/4		1/4	3,450.99	1/4	3,217.10	1/4	2,957.27	1/4	2,697.44	1/4	2,437.09	1/4	2,175.86	1/4	1,914.63
1/2		1/2		1/2		1/2	3,450.09	1/2	3,211.69	1/2	2,951.86	1/2	2,692.03	1/2	2,431.64	1/2	2,170.41	1/2	1,909.18
3/4		3/4		3/4		3/4	3,449.18	3/4	3,206.27	3/4	2,946.44	3/4	2,686.61	3/4	2,426.20	3/4	2,164.97	3/4	1,903.74
2		2		2		2	3,446.45	2	3,200.86	2	2,941.03	2	2,681.20	2	2,420.76	2	2,159.53	2	1,898.30
1/4		1/4		1/4		1/4	3,443.73	1/4	3,195.45	1/4	2,935.62	1/4	2,675.79	1/4	2,415.32	1/4	2,154.09	1/4	1,892.86
1/2		1/2		1/2		1/2	3,441.01	1/2	3,190.03	1/2	2,930.20	1/2	2,670.38	1/2	2,409.88	1/2	2,148.64	1/2	1,887.41
3/4		3/4		3/4		3/4	3,438.29	3/4	3,184.62	3/4	2,924.79	3/4	2,664.96	3/4	2,404.43	3/4	2,143.20	3/4	1,881.97
3		3		3		3	3,433.88	3	3,179.21	3	2,919.38	3	2,659.55	3	2,398.99	3	2,137.76	3	1,876.53
1/4		1/4		1/4		1/4	3,429.47	1/4	3,173.79	1/4	2,913.97	1/4	2,654.14	1/4	2,393.55	1/4	2,132.32	1/4	1,871.09
1/2		1/2		1/2		1/2	3,425.06	1/2	3,168.38	1/2	2,908.55	1/2	2,648.72	1/2	2,388.11	1/2	2,126.88	1/2	1,865.65
3/4		3/4		3/4		3/4	3,420.65	3/4	3,162.97	3/4	2,903.14	3/4	2,643.31	3/4	2,382.66	3/4	2,121.43	3/4	1,860.20
4		4		4		4	3,415.38	4	3,157.55	4	2,897.73	4	2,637.90	4	2,377.22	4	2,115.99	4	1,854.76
1/4		1/4		1/4		1/4	3,410.10	1/4	3,152.14	1/4	2,892.31	1/4	2,632.48	1/4	2,371.78	1/4	2,110.55	1/4	1,849.32
1/2		1/2		1/2		1/2	3,404.83	1/2	3,146.73	1/2	2,886.90	1/2	2,627.07	1/2	2,366.34	1/2	2,105.11	1/2	1,843.88
3/4		3/4		3/4		3/4	3,399.55	3/4	3,141.32	3/4	2,881.49	3/4	2,621.66	3/4	2,360.89	3/4	2,099.66	3/4	1,838.43
5		5		5		5	3,394.25	5	3,135.90	5	2,876.07	5	2,616.24	5	2,355.45	5	2,094.22	5	1,832.99
1/4		1/4		1/4		1/4	3,388.94	1/4	3,130.49	1/4	2,870.66	1/4	2,610.83	1/4	2,350.01	1/4	2,088.78	1/4	1,827.55
1/2		1/2		1/2		1/2	3,383.64	1/2	3,125.08	1/2	2,865.25	1/2	2,605.42	1/2	2,344.57	1/2	2,083.34	1/2	1,822.11
3/4		3/4		3/4		3/4	3,378.33	3/4	3,119.66	3/4	2,859.83	3/4	2,600.01	3/4	2,339.13	3/4	2,077.89	3/4	1,816.66
6		6		6		6	3,373.01	6	3,114.25	6	2,854.42	6	2,594.59	6	2,333.68	6	2,072.45	6	1,811.22
1/4		1/4		1/4		1/4	3,367.69	1/4	3,108.84	1/4	2,849.01	1/4	2,589.18	1/4	2,328.24	1/4	2,067.01	1/4	1,805.78
1/2		1/2		1/2		1/2	3,362.37	1/2	3,103.42	1/2	2,843.59	1/2	2,583.77	1/2	2,322.80	1/2	2,061.57	1/2	1,800.34
3/4		3/4		3/4		3/4	3,357.05	3/4	3,098.01	3/4	2,838.18	3/4	2,578.35	3/4	2,317.36	3/4	2,056.13	3/4	1,794.90
7		7		7		7	3,351.74	7	3,092.60	7	2,832.77	7	2,572.94	7	2,311.91	7	2,050.68	7	1,789.45
1/4		1/4		1/4		1/4	3,346.42	1/4	3,087.18	1/4	2,827.36	1/4	2,567.53	1/4	2,306.47	1/4	2,045.24	1/4	1,784.01
1/2		1/2		1/2		1/2	3,341.11	1/2	3,081.77	1/2	2,821.94	1/2	2,562.11	1/2	2,301.03	1/2	2,039.80	1/2	1,778.57
3/4		3/4		3/4		3/4	3,335.79	3/4	3,076.36	3/4	2,816.53	3/4	2,556.70	3/4	2,295.59	3/4	2,034.36	3/4	1,773.13
8		8		8		8	3,330.48	8	3,070.94	8	2,811.12	8	2,551.29	8	2,290.14	8	2,028.91	8	1,767.68
1/4		1/4		1/4		1/4	3,325.16	1/4	3,065.53	1/4	2,805.70	1/4	2,545.87	1/4	2,284.70	1/4	2,023.47	1/4	1,762.24
1/2		1/2		1/2		1/2	3,319.85	1/2	3,060.12	1/2	2,800.29	1/2	2,540.46	1/2	2,279.26	1/2	2,018.03	1/2	1,756.80
3/4		3/4		3/4		3/4	3,314.53	3/4	3,054.71	3/4	2,794.88	3/4	2,535.05	3/4	2,273.82	3/4	2,012.59	3/4	1,751.36
9		9		9		9	3,309.12	9	3,049.29	9	2,789.46	9	2,529.61	9	2,268.38	9	2,007.14	9	1,745.91
1/4		1/4		1/4		1/4	3,303.71	1/4	3,043.88	1/4	2,784.05	1/4	2,524.16	1/4	2,262.93	1/4	2,001.70	1/4	1,740.47
1/2		1/2		1/2		1/2	3,298.30	1/2	3,038.47	1/2	2,778.64	1/2	2,518.72	1/2	2,257.49	1/2	1,996.26	1/2	1,735.03
3/4		3/4		3/4		3/4	3,292.88	3/4	3,033.05	3/4	2,773.22	3/4	2,513.28	3/4	2,252.05	3/4	1,990.82	3/4	1,729.59
10		10		10		10	3,287.47	10	3,027.64	10	2,767.81	10	2,507.84	10	2,246.61	10	1,985.38	10	1,724.15
1/4		1/4		1/4		1/4	3,282.06	1/4	3,022.23	1/4	2,762.40	1/4	2,502.39	1/4	2,241.16	1/4	1,979.93	1/4	1,718.70
1/2		1/2		1/2		1/2	3,276.64	1/2	3,016.81	1/2	2,756.99	1/2	2,496.95	1/2	2,235.72	1/2	1,974.49	1/2	1,713.26
3/4		3/4		3/4		3/4	3,271.23	3/4	3,011.40	3/4	2,751.57	3/4	2,491.51	3/4	2,230.28	3/4	1,969.05	3/4	1,707.82
11		11		11		11	3,265.82	11	3,005.99	11	2,746.16	11	2,486.07	11	2,224.84	11	1,963.61	11	1,702.38
1/4		1/4		1/4		1/4	3,260.40	1/4	3,000.57	1/4	2,740.75	1/4	2,480.63	1/4	2,219.39	1/4	1,958.16	1/4	1,696.93
1/2		1/2		1/2		1/2	3,254.99	1/2	2,995.16	1/2	2,735.33	1/2	2,475.18	1/2	2,213.95	1/2	1,952.72	1/2	1,691.49
3/4		3/4		3/4		3/4	3,249.58	3/4	2,989.75	3/4	2,729.92	3/4	2,469.74	3/4	2,208.51	3/4	1,947.28	3/4	1,686.05

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" CLOSED GAUGING DEVICE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "KIRBY 10090"

3 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	1,680.61	0	1,419.38	0	1,157.99	0	897.35	0	636.82	0	375.45	0	114.11	0		0		0	
1/4	1,675.16	1/4	1,413.93	1/4	1,152.54	1/4	891.94	1/4	631.38	1/4	370.00	1/4	108.68	1/4		1/4		1/4	
1/2	1,669.72	1/2	1,408.49	1/2	1,147.10	1/2	886.53	1/2	625.93	1/2	364.56	1/2	103.25	1/2		1/2		1/2	
3/4	1,664.28	3/4	1,403.05	3/4	1,141.65	3/4	881.12	3/4	620.49	3/4	359.11	3/4	97.82	3/4		3/4		3/4	
1	1,658.84	1	1,397.60	1	1,136.21	1	875.71	1	615.04	1	353.67	1	92.41	1		1		1	
1/4	1,653.40	1/4	1,392.16	1/4	1,130.76	1/4	870.31	1/4	609.60	1/4	348.22	1/4	87.00	1/4		1/4		1/4	
1/2	1,647.95	1/2	1,386.71	1/2	1,125.31	1/2	864.90	1/2	604.15	1/2	342.78	1/2	81.59	1/2		1/2		1/2	
3/4	1,642.51	3/4	1,381.27	3/4	1,119.87	3/4	859.49	3/4	598.71	3/4	337.33	3/4	76.18	3/4		3/4		3/4	
2	1,637.07	2	1,375.82	2	1,114.42	2	854.08	2	593.26	2	331.88	2	70.80	2		2		2	
1/4	1,631.63	1/4	1,370.37	1/4	1,108.98	1/4	848.67	1/4	587.82	1/4	326.44	1/4	65.41	1/4		1/4		1/4	
1/2	1,626.18	1/2	1,364.93	1/2	1,103.53	1/2	843.26	1/2	582.37	1/2	320.99	1/2	60.03	1/2		1/2		1/2	
3/4	1,620.74	3/4	1,359.48	3/4	1,098.08	3/4	837.85	3/4	576.93	3/4	315.55	3/4	54.65	3/4		3/4		3/4	
3	1,615.30	3	1,354.04	3	1,092.64	3	832.44	3	571.48	3	310.10	3	49.32	3		3		3	
1/4	1,609.86	1/4	1,348.59	1/4	1,087.19	1/4	827.03	1/4	566.04	1/4	304.66	1/4	43.98	1/4		1/4		1/4	
1/2	1,604.41	1/2	1,343.15	1/2	1,081.75	1/2	821.62	1/2	560.59	1/2	299.21	1/2	38.65	1/2		1/2		1/2	
3/4	1,598.97	3/4	1,337.70	3/4	1,076.30	3/4	816.21	3/4	555.15	3/4	293.77	3/4	33.32	3/4		3/4		3/4	
4	1,593.53	4	1,332.25	4	1,070.86	4	810.81	4	549.70	4	288.32	4	28.79	4		4		4	
1/4	1,588.09	1/4	1,326.81	1/4	1,065.41	1/4	805.40	1/4	544.25	1/4	282.88	1/4	24.26	1/4		1/4		1/4	
1/2	1,582.65	1/2	1,321.36	1/2	1,059.96	1/2	800.00	1/2	538.81	1/2	277.43	1/2	19.73	1/2		1/2		1/2	
3/4	1,577.20	3/4	1,315.92	3/4	1,054.52	3/4	794.59	3/4	533.36	3/4	271.98	3/4	15.20	3/4		3/4		3/4	
5	1,571.76	5	1,310.47	5	1,049.07	5	789.15	5	527.92	5	266.54	5	12.47	5		5		5	
1/4	1,566.32	1/4	1,305.03	1/4	1,043.63	1/4	783.71	1/4	522.47	1/4	261.09	1/4	9.75	1/4		1/4		1/4	
1/2	1,560.88	1/2	1,299.58	1/2	1,038.18	1/2	778.27	1/2	517.03	1/2	255.65	1/2	7.03	1/2		1/2		1/2	
3/4	1,555.43	3/4	1,294.13	3/4	1,032.74	3/4	772.83	3/4	511.58	3/4	250.20	3/4	4.31	3/4		3/4		3/4	
6	1,549.99	6	1,288.69	6	1,027.29	6	767.39	6	506.14	6	244.76	6	3.40	6		6		6	
1/4	1,544.55	1/4	1,283.24	1/4	1,021.84	1/4	761.95	1/4	500.69	1/4	239.31	1/4	2.49	1/4		1/4		1/4	
1/2	1,539.11	1/2	1,277.80	1/2	1,016.40	1/2	756.51	1/2	495.25	1/2	233.87	1/2	1.59	1/2		1/2		1/2	
3/4	1,533.66	3/4	1,272.35	3/4	1,010.95	3/4	751.07	3/4	489.80	3/4	228.42	3/4	0.68	3/4		3/4		3/4	
7	1,528.22	7	1,266.90	7	1,005.54	7	745.63	7	484.36	7	222.98	7		7		7		7	
1/4	1,522.78	1/4	1,261.46	1/4	1,000.13	1/4	740.19	1/4	478.91	1/4	217.53	1/4		1/4		1/4		1/4	
1/2	1,517.34	1/2	1,256.01	1/2	994.72	1/2	734.75	1/2	473.46	1/2	212.09	1/2		1/2		1/2		1/2	
3/4	1,511.90	3/4	1,250.57	3/4	989.31	3/4	729.31	3/4	468.02	3/4	206.64	3/4		3/4		3/4		3/4	
8	1,506.45	8	1,245.12	8	983.90	8	723.87	8	462.57	8	201.19	8		8		8		8	
1/4	1,501.01	1/4	1,239.68	1/4	978.50	1/4	718.43	1/4	457.13	1/4	195.75	1/4		1/4		1/4		1/4	
1/2	1,495.57	1/2	1,234.23	1/2	973.09	1/2	712.99	1/2	451.68	1/2	190.30	1/2		1/2		1/2		1/2	
3/4	1,490.13	3/4	1,228.78	3/4	967.68	3/4	707.55	3/4	446.24	3/4	184.86	3/4		3/4		3/4		3/4	
9	1,484.68	9	1,223.34	9	962.27	9	702.11	9	440.79	9	179.41	9		9		9		9	
1/4	1,479.24	1/4	1,217.89	1/4	956.86	1/4	696.67	1/4	435.35	1/4	173.97	1/4		1/4		1/4		1/4	
1/2	1,473.80	1/2	1,212.45	1/2	951.45	1/2	691.23	1/2	429.90	1/2	168.52	1/2		1/2		1/2		1/2	
3/4	1,468.36	3/4	1,207.00	3/4	946.04	3/4	685.78	3/4	424.46	3/4	163.08	3/4		3/4		3/4		3/4	
10	1,462.91	10	1,201.56	10	940.63	10	680.34	10	419.01	10	157.63	10		10		10		10	
1/4	1,457.47	1/4	1,196.11	1/4	935.22	1/4	674.90	1/4	413.57	1/4	152.19	1/4		1/4		1/4		1/4	
1/2	1,452.03	1/2	1,190.66	1/2	929.81	1/2	669.46	1/2	408.12	1/2	146.74	1/2		1/2		1/2		1/2	
3/4	1,446.59	3/4	1,185.22	3/4	924.40	3/4	664.02	3/4	402.67	3/4	141.30	3/4		3/4		3/4		3/4	
11	1,441.15	11	1,179.77	11	918.99	11	658.58	11	397.23	11	135.86	11		11		11		11	
1/4	1,435.70	1/4	1,174.33	1/4	913.58	1/4	653.14	1/4	391.78	1/4	130.42	1/4		1/4		1/4		1/4	
1/2	1,430.26	1/2	1,168.88	1/2	908.17	1/2	647.71	1/2	386.34	1/2	124.98	1/2		1/2		1/2		1/2	
3/4	1,424.82	3/4	1,163.43	3/4	902.76	3/4	642.27	3/4	380.89	3/4	119.54	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/06/2014 CL
CALCULATED: 01/06/2014 CL
VERIFIED: 01/31/2024 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2024

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