



BARGE "KIRBY 29066"

ULLAGE TRIM TABLE HERMETIC

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 235'-09"

October 11, 2017

PRECISION MEASUREMENT
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BARGE "KIRBY 29066"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	4,390.85	0	4,092.04	0	3,772.94	0	3,434.22	0	3,092.30	0	2,750.38	0	2,408.47
1/4		1/4		1/4		1/4	4,384.57	1/4	4,085.60	1/4	3,766.05	1/4	3,427.10	1/4	3,085.18	1/4	2,743.26	1/4	2,401.34
1/2		1/2		1/2		1/2	4,378.30	1/2	4,079.15	1/2	3,759.16	1/2	3,419.97	1/2	3,078.06	1/2	2,736.14	1/2	2,394.22
3/4		3/4		3/4		3/4	4,372.02	3/4	4,072.71	3/4	3,752.27	3/4	3,412.85	3/4	3,070.93	3/4	2,729.01	3/4	2,387.10
1		1		1		1	4,365.75	1	4,066.26	1	3,745.39	1	3,405.73	1	3,063.81	1	2,721.89	1	2,379.97
1/4		1/4		1/4		1/4	4,359.72	1/4	4,059.78	1/4	3,738.46	1/4	3,398.60	1/4	3,056.69	1/4	2,714.77	1/4	2,372.85
1/2		1/2		1/2		1/2	4,353.69	1/2	4,053.30	1/2	3,731.53	1/2	3,391.48	1/2	3,049.56	1/2	2,707.64	1/2	2,365.73
3/4		3/4		3/4		3/4	4,347.66	3/4	4,046.82	3/4	3,724.61	3/4	3,384.36	3/4	3,042.44	3/4	2,700.52	3/4	2,358.60
2		2		2		2	4,341.63	2	4,040.34	2	3,717.68	2	3,377.23	2	3,035.32	2	2,693.40	2	2,351.48
1/4		1/4		1/4		1/4	4,335.56	1/4	4,033.82	1/4	3,710.72	1/4	3,370.11	1/4	3,028.19	1/4	2,686.27	1/4	2,344.36
1/2		1/2		1/2		1/2	4,329.49	1/2	4,027.30	1/2	3,703.76	1/2	3,362.99	1/2	3,021.07	1/2	2,679.15	1/2	2,337.23
3/4		3/4		3/4		3/4	4,323.43	3/4	4,020.78	3/4	3,696.79	3/4	3,355.86	3/4	3,013.95	3/4	2,672.03	3/4	2,330.11
3		3		3		3	4,317.36	3	4,014.27	3	3,689.83	3	3,348.74	3	3,006.82	3	2,664.90	3	2,322.99
1/4		1/4		1/4		1/4	4,311.25	1/4	4,007.71	1/4	3,682.82	1/4	3,341.62	1/4	2,999.70	1/4	2,657.78	1/4	2,315.86
1/2		1/2		1/2		1/2	4,305.14	1/2	4,001.16	1/2	3,675.80	1/2	3,334.49	1/2	2,992.58	1/2	2,650.66	1/2	2,308.74
3/4		3/4		3/4		3/4	4,299.03	3/4	3,994.60	3/4	3,668.78	3/4	3,327.37	3/4	2,985.45	3/4	2,643.53	3/4	2,301.62
4		4		4		4	4,292.92	4	3,988.04	4	3,661.77	4	3,320.25	4	2,978.33	4	2,636.41	4	2,294.49
1/4		1/4		1/4		1/4	4,286.77	1/4	3,981.45	1/4	3,654.71	1/4	3,313.12	1/4	2,971.21	1/4	2,629.29	1/4	2,287.37
1/2		1/2		1/2		1/2	4,280.63	1/2	3,974.86	1/2	3,647.65	1/2	3,306.00	1/2	2,964.08	1/2	2,622.16	1/2	2,280.25
3/4		3/4		3/4		3/4	4,274.48	3/4	3,968.27	3/4	3,640.59	3/4	3,298.88	3/4	2,956.96	3/4	2,615.04	3/4	2,273.12
5		5		5		5	4,268.33	5	3,961.67	5	3,633.53	5	3,291.75	5	2,949.84	5	2,607.92	5	2,266.00
1/4		1/4		1/4		1/4	4,262.15	1/4	3,955.05	1/4	3,626.44	1/4	3,284.63	1/4	2,942.71	1/4	2,600.79	1/4	2,258.88
1/2		1/2		1/2		1/2	4,255.96	1/2	3,948.42	1/2	3,619.34	1/2	3,277.51	1/2	2,935.59	1/2	2,593.67	1/2	2,251.75
3/4		3/4		3/4		3/4	4,249.78	3/4	3,941.79	3/4	3,612.25	3/4	3,270.38	3/4	2,928.47	3/4	2,586.55	3/4	2,244.63
6		6		6		6	4,243.59	6	3,935.16	6	3,605.15	6	3,263.26	6	2,921.34	6	2,579.42	6	2,237.51
1/4		1/4		1/4		1/4	4,237.37	1/4	3,928.49	1/4	3,598.04	1/4	3,256.14	1/4	2,914.22	1/4	2,572.30	1/4	2,230.38
1/2		1/2		1/2		1/2	4,231.15	1/2	3,921.82	1/2	3,590.92	1/2	3,249.01	1/2	2,907.10	1/2	2,565.18	1/2	2,223.26
3/4		3/4		3/4	4,530.23	3/4	4,224.93	3/4	3,915.16	3/4	3,583.80	3/4	3,241.89	3/4	2,899.97	3/4	2,558.05	3/4	2,216.14
7		7		7	4,525.98	7	4,218.70	7	3,908.49	7	3,576.69	7	3,234.77	7	2,892.85	7	2,550.93	7	2,209.01
1/4		1/4		1/4	4,520.31	1/4	4,212.44	1/4	3,901.79	1/4	3,569.56	1/4	3,227.64	1/4	2,885.73	1/4	2,543.81	1/4	2,201.89
1/2		1/2		1/2	4,514.64	1/2	4,206.18	1/2	3,895.08	1/2	3,562.44	1/2	3,220.52	1/2	2,878.60	1/2	2,536.68	1/2	2,194.77
3/4		3/4		3/4	4,508.97	3/4	4,199.93	3/4	3,888.38	3/4	3,555.32	3/4	3,213.40	3/4	2,871.48	3/4	2,529.56	3/4	2,187.64
8		8		8	4,503.30	8	4,193.67	8	3,881.68	8	3,548.19	8	3,206.27	8	2,864.36	8	2,522.44	8	2,180.52
1/4		1/4		1/4	4,496.67	1/4	4,187.37	1/4	3,874.94	1/4	3,541.07	1/4	3,199.15	1/4	2,857.23	1/4	2,515.31	1/4	2,173.40
1/2		1/2		1/2	4,489.64	1/2	4,181.07	1/2	3,868.20	1/2	3,533.95	1/2	3,192.03	1/2	2,850.11	1/2	2,508.19	1/2	2,166.27
3/4		3/4		3/4	4,482.81	3/4	4,174.78	3/4	3,861.46	3/4	3,526.82	3/4	3,184.90	3/4	2,842.99	3/4	2,501.07	3/4	2,159.15
9		9		9	4,475.99	9	4,168.48	9	3,854.72	9	3,519.70	9	3,177.78	9	2,835.86	9	2,493.94	9	2,152.03
1/4		1/4		1/4	4,468.89	1/4	4,162.15	1/4	3,847.94	1/4	3,512.58	1/4	3,170.66	1/4	2,828.74	1/4	2,486.82	1/4	2,144.90
1/2		1/2		1/2	4,461.80	1/2	4,155.82	1/2	3,841.16	1/2	3,505.45	1/2	3,163.54	1/2	2,821.62	1/2	2,479.70	1/2	2,137.78
3/4		3/4		3/4	4,454.70	3/4	4,149.48	3/4	3,834.38	3/4	3,498.33	3/4	3,156.41	3/4	2,814.49	3/4	2,472.57	3/4	2,130.66
10		10		10	4,447.61	10	4,143.15	10	3,827.61	10	3,491.21	10	3,149.29	10	2,807.37	10	2,465.45	10	2,123.53
1/4		1/4		1/4	4,440.51	1/4	4,136.78	1/4	3,820.79	1/4	3,484.08	1/4	3,142.17	1/4	2,800.25	1/4	2,458.33	1/4	2,116.41
1/2		1/2		1/2	4,433.42	1/2	4,130.41	1/2	3,813.98	1/2	3,476.96	1/2	3,135.04	1/2	2,793.12	1/2	2,451.21	1/2	2,109.29
3/4		3/4		3/4	4,426.32	3/4	4,124.04	3/4	3,807.16	3/4	3,469.84	3/4	3,127.92	3/4	2,786.00	3/4	2,444.08	3/4	2,102.16
11		11		11	4,419.23	11	4,117.67	11	3,800.35	11	3,462.71	11	3,120.80	11	2,778.88	11	2,436.96	11	2,095.04
1/4		1/4		1/4	4,412.13	1/4	4,111.26	1/4	3,793.50	1/4	3,455.59	1/4	3,113.67	1/4	2,771.75	1/4	2,429.84	1/4	2,087.92
1/2		1/2		1/2	4,405.04	1/2	4,104.86	1/2	3,786.64	1/2	3,448.47	1/2	3,106.55	1/2	2,764.63	1/2	2,422.71	1/2	2,080.79
3/4		3/4		3/4	4,397.94	3/4	4,098.45	3/4	3,779.79	3/4	3,441.34	3/4	3,099.43	3/4	2,757.51	3/4	2,415.59	3/4	2,073.67

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 12'-06" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "KIRBY 29066"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,066.55	0	1,724.63	0	1,382.71	0	1,040.87	0	701.53	0	384.54	0	99.82	0		0			
1/4	2,059.42	1/4	1,717.51	1/4	1,375.59	1/4	1,033.77	1/4	694.62	1/4	378.30	1/4	94.25	1/4	1/4	1/4			
1/2	2,052.30	1/2	1,710.38	1/2	1,368.46	1/2	1,026.68	1/2	687.71	1/2	372.07	1/2	88.68	1/2	1/2	1/2			
3/4	2,045.18	3/4	1,703.26	3/4	1,361.34	3/4	1,019.58	3/4	680.79	3/4	365.83	3/4	83.12	3/4	3/4	3/4			
1	2,038.05	1	1,696.14	1	1,354.22	1	1,012.48	1	673.88	1	359.59	1	77.55	1	1	1			
1/4	2,030.93	1/4	1,689.01	1/4	1,347.09	1/4	1,005.39	1/4	667.02	1/4	353.41	1/4	72.03	1/4	1/4	1/4			
1/2	2,023.81	1/2	1,681.89	1/2	1,339.97	1/2	998.30	1/2	660.17	1/2	347.23	1/2	66.52	1/2	1/2	1/2			
3/4	2,016.68	3/4	1,674.77	3/4	1,332.85	3/4	991.20	3/4	653.31	3/4	341.05	3/4	61.01	3/4	3/4	3/4			
2	2,009.56	2	1,667.64	2	1,325.72	2	984.11	2	646.45	2	334.86	2	55.50	2	2	2			
1/4	2,002.44	1/4	1,660.52	1/4	1,318.60	1/4	977.02	1/4	639.65	1/4	328.74	1/4	50.04	1/4	1/4	1/4			
1/2	1,995.31	1/2	1,653.40	1/2	1,311.48	1/2	969.93	1/2	632.85	1/2	322.61	1/2	44.58	1/2	1/2	1/2			
3/4	1,988.19	3/4	1,646.27	3/4	1,304.35	3/4	962.84	3/4	626.05	3/4	316.49	3/4	39.13	3/4	3/4	3/4			
3	1,981.07	3	1,639.15	3	1,297.23	3	955.74	3	619.25	3	310.36	3	33.67	3	3	3			
1/4	1,973.94	1/4	1,632.03	1/4	1,290.11	1/4	948.65	1/4	612.50	1/4	304.29	1/4	28.94	1/4	1/4	1/4			
1/2	1,966.82	1/2	1,624.90	1/2	1,282.98	1/2	941.56	1/2	605.76	1/2	298.22	1/2	24.20	1/2	1/2	1/2			
3/4	1,959.70	3/4	1,617.78	3/4	1,275.86	3/4	934.47	3/4	599.01	3/4	292.15	3/4	19.47	3/4	3/4	3/4			
4	1,952.57	4	1,610.66	4	1,268.74	4	927.38	4	592.27	4	286.08	4	14.74	4	4	4			
1/4	1,945.45	1/4	1,603.53	1/4	1,261.61	1/4	920.29	1/4	585.58	1/4	280.07	1/4	11.62	1/4	1/4	1/4			
1/2	1,938.33	1/2	1,596.41	1/2	1,254.49	1/2	913.20	1/2	578.89	1/2	274.05	1/2	8.50	1/2	1/2	1/2			
3/4	1,931.20	3/4	1,589.29	3/4	1,247.37	3/4	906.10	3/4	572.20	3/4	268.04	3/4	5.38	3/4	3/4	3/4			
5	1,924.08	5	1,582.16	5	1,240.24	5	899.01	5	565.51	5	262.02	5	2.26	5	5	5			
1/4	1,916.96	1/4	1,575.04	1/4	1,233.12	1/4	891.92	1/4	558.88	1/4	256.06	1/4		1/4	1/4	1/4			
1/2	1,909.83	1/2	1,567.92	1/2	1,226.00	1/2	884.83	1/2	552.24	1/2	250.10	1/2		1/2	1/2	1/2			
3/4	1,902.71	3/4	1,560.79	3/4	1,218.87	3/4	877.74	3/4	545.61	3/4	244.14	3/4		3/4	3/4	3/4			
6	1,895.59	6	1,553.67	6	1,211.75	6	870.65	6	538.98	6	238.18	6		6	6	6			
1/4	1,888.46	1/4	1,546.55	1/4	1,204.63	1/4	863.56	1/4	532.40	1/4	232.27	1/4		1/4	1/4	1/4			
1/2	1,881.34	1/2	1,539.42	1/2	1,197.50	1/2	856.46	1/2	525.82	1/2	226.37	1/2		1/2	1/2	1/2			
3/4	1,874.22	3/4	1,532.30	3/4	1,190.38	3/4	849.37	3/4	519.25	3/4	220.46	3/4		3/4	3/4	3/4			
7	1,867.09	7	1,525.18	7	1,183.26	7	842.28	7	512.67	7	214.56	7		7	7	7			
1/4	1,859.97	1/4	1,518.05	1/4	1,176.13	1/4	835.19	1/4	506.15	1/4	208.71	1/4		1/4	1/4	1/4			
1/2	1,852.85	1/2	1,510.93	1/2	1,169.01	1/2	828.10	1/2	499.63	1/2	202.86	1/2		1/2	1/2	1/2			
3/4	1,845.72	3/4	1,503.81	3/4	1,161.89	3/4	821.01	3/4	493.11	3/4	197.01	3/4		3/4	3/4	3/4			
8	1,838.60	8	1,496.68	8	1,154.76	8	813.92	8	486.59	8	191.16	8		8	8	8			
1/4	1,831.48	1/4	1,489.56	1/4	1,147.64	1/4	806.82	1/4	480.12	1/4	185.37	1/4		1/4	1/4	1/4			
1/2	1,824.35	1/2	1,482.44	1/2	1,140.52	1/2	799.73	1/2	473.66	1/2	179.58	1/2		1/2	1/2	1/2			
3/4	1,817.23	3/4	1,475.31	3/4	1,133.39	3/4	792.64	3/4	467.20	3/4	173.78	3/4		3/4	3/4	3/4			
9	1,810.11	9	1,468.19	9	1,126.27	9	785.55	9	460.74	9	167.99	9		9	9	9			
1/4	1,802.98	1/4	1,461.07	1/4	1,119.15	1/4	778.50	1/4	454.33	1/4	162.25	1/4		1/4	1/4	1/4			
1/2	1,795.86	1/2	1,453.94	1/2	1,112.02	1/2	771.45	1/2	447.92	1/2	156.52	1/2		1/2	1/2	1/2			
3/4	1,788.74	3/4	1,446.82	3/4	1,104.90	3/4	764.40	3/4	441.52	3/4	150.78	3/4		3/4	3/4	3/4			
10	1,781.61	10	1,439.70	10	1,097.78	10	757.35	10	435.11	10	145.04	10		10	10	10			
1/4	1,774.49	1/4	1,432.57	1/4	1,090.65	1/4	750.36	1/4	428.76	1/4	139.36	1/4		1/4	1/4	1/4			
1/2	1,767.37	1/2	1,425.45	1/2	1,083.53	1/2	743.37	1/2	422.41	1/2	133.68	1/2		1/2	1/2	1/2			
3/4	1,760.24	3/4	1,418.33	3/4	1,076.41	3/4	736.37	3/4	416.06	3/4	128.00	3/4		3/4	3/4	3/4			
11	1,753.12	11	1,411.20	11	1,069.28	11	729.38	11	409.71	11	122.32	11		11	11	11			
1/4	1,746.00	1/4	1,404.08	1/4	1,062.18	1/4	722.42	1/4	403.42	1/4	116.70	1/4		1/4	1/4	1/4			
1/2	1,738.88	1/2	1,396.96	1/2	1,055.08	1/2	715.46	1/2	397.13	1/2	111.07	1/2		1/2	1/2	1/2			
3/4	1,731.75	3/4	1,389.83	3/4	1,047.97	3/4	708.49	3/4	390.83	3/4	105.45	3/4		3/4	3/4	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2017 SW
CALCULATED: 10/12/2017 CL
PRINTED: 10/13/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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



BARGE "KIRBY 29066"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	4,384.44	0	4,086.31	0	3,767.81	0	3,429.66	0	3,088.28	0	2,746.91	0	2,405.53
1/4		1/4		1/4		1/4	4,378.18	1/4	4,079.87	1/4	3,760.94	1/4	3,422.55	1/4	3,081.17	1/4	2,739.79	1/4	2,398.42
1/2		1/2		1/2		1/2	4,371.92	1/2	4,073.44	1/2	3,754.06	1/2	3,415.43	1/2	3,074.06	1/2	2,732.68	1/2	2,391.31
3/4		3/4		3/4		3/4	4,365.66	3/4	4,067.01	3/4	3,747.19	3/4	3,408.32	3/4	3,066.95	3/4	2,725.57	3/4	2,384.19
1		1		1		1	4,359.40	1	4,060.58	1	3,740.31	1	3,401.21	1	3,059.83	1	2,718.46	1	2,377.08
1/4		1/4		1/4		1/4	4,353.38	1/4	4,054.11	1/4	3,733.39	1/4	3,394.10	1/4	3,052.72	1/4	2,711.35	1/4	2,369.97
1/2		1/2		1/2		1/2	4,347.37	1/2	4,047.65	1/2	3,726.48	1/2	3,386.99	1/2	3,045.61	1/2	2,704.23	1/2	2,362.86
3/4		3/4		3/4		3/4	4,341.35	3/4	4,041.18	3/4	3,719.57	3/4	3,379.87	3/4	3,038.50	3/4	2,697.12	3/4	2,355.75
2		2		2		2	4,335.34	2	4,034.71	2	3,712.65	2	3,372.76	2	3,031.39	2	2,690.01	2	2,348.63
1/4		1/4		1/4		1/4	4,329.28	1/4	4,028.20	1/4	3,705.70	1/4	3,365.65	1/4	3,024.27	1/4	2,682.90	1/4	2,341.52
1/2		1/2		1/2		1/2	4,323.23	1/2	4,021.70	1/2	3,698.75	1/2	3,358.54	1/2	3,017.16	1/2	2,675.79	1/2	2,334.41
3/4		3/4		3/4		3/4	4,317.18	3/4	4,015.19	3/4	3,691.80	3/4	3,351.43	3/4	3,010.05	3/4	2,668.67	3/4	2,327.30
3		3		3		3	4,311.13	3	4,008.69	3	3,684.85	3	3,344.31	3	3,002.94	3	2,661.56	3	2,320.19
1/4		1/4		1/4		1/4	4,305.03	1/4	4,002.15	1/4	3,677.84	1/4	3,337.20	1/4	2,995.83	1/4	2,654.45	1/4	2,313.07
1/2		1/2		1/2		1/2	4,298.94	1/2	3,995.60	1/2	3,670.84	1/2	3,330.09	1/2	2,988.71	1/2	2,647.34	1/2	2,305.96
3/4		3/4		3/4		3/4	4,292.84	3/4	3,989.06	3/4	3,663.84	3/4	3,322.98	3/4	2,981.60	3/4	2,640.23	3/4	2,298.85
4		4		4		4	4,286.75	4	3,982.52	4	3,656.83	4	3,315.87	4	2,974.49	4	2,633.11	4	2,291.74
1/4		1/4		1/4		1/4	4,280.61	1/4	3,975.94	1/4	3,649.78	1/4	3,308.75	1/4	2,967.38	1/4	2,626.00	1/4	2,284.63
1/2		1/2		1/2		1/2	4,274.48	1/2	3,969.36	1/2	3,642.74	1/2	3,301.64	1/2	2,960.27	1/2	2,618.89	1/2	2,277.51
3/4		3/4		3/4		3/4	4,268.34	3/4	3,962.78	3/4	3,635.69	3/4	3,294.53	3/4	2,953.15	3/4	2,611.78	3/4	2,270.40
5		5		5		5	4,262.21	5	3,956.20	5	3,628.64	5	3,287.42	5	2,946.04	5	2,604.67	5	2,263.29
1/4		1/4		1/4		1/4	4,256.04	1/4	3,949.58	1/4	3,621.56	1/4	3,280.31	1/4	2,938.93	1/4	2,597.55	1/4	2,256.18
1/2		1/2		1/2		1/2	4,249.87	1/2	3,942.97	1/2	3,614.48	1/2	3,273.19	1/2	2,931.82	1/2	2,590.44	1/2	2,249.07
3/4		3/4		3/4		3/4	4,243.70	3/4	3,936.35	3/4	3,607.39	3/4	3,266.08	3/4	2,924.71	3/4	2,583.33	3/4	2,241.95
6		6		6		6	4,237.53	6	3,929.73	6	3,600.31	6	3,258.97	6	2,917.59	6	2,576.22	6	2,234.84
1/4		1/4		1/4		1/4	4,231.32	1/4	3,923.08	1/4	3,593.21	1/4	3,251.86	1/4	2,910.48	1/4	2,569.11	1/4	2,227.73
1/2		1/2		1/2		1/2	4,225.11	1/2	3,916.43	1/2	3,586.10	1/2	3,244.75	1/2	2,903.37	1/2	2,561.99	1/2	2,220.62
3/4		3/4		3/4		3/4	4,523.59	3/4	4,218.90	3/4	3,909.77	3/4	3,579.00	3/4	2,896.26	3/4	2,554.88	3/4	2,213.51
7		7		7		7	4,519.35	7	3,903.12	7	3,571.90	7	3,230.52	7	2,889.15	7	2,547.77	7	2,206.39
1/4		1/4		1/4		1/4	4,513.69	1/4	4,206.45	1/4	3,896.43	1/4	3,564.79	1/4	2,882.03	1/4	2,540.66	1/4	2,199.28
1/2		1/2		1/2		1/2	4,508.03	1/2	4,200.20	1/2	3,889.74	1/2	3,557.67	1/2	2,874.92	1/2	2,533.55	1/2	2,192.17
3/4		3/4		3/4		3/4	4,502.37	3/4	4,193.96	3/4	3,883.05	3/4	3,550.56	3/4	2,867.81	3/4	2,526.43	3/4	2,185.06
8		8		8		8	4,496.71	8	4,187.71	8	3,876.36	8	3,543.45	8	2,860.70	8	2,519.32	8	2,177.95
1/4		1/4		1/4		1/4	4,489.89	1/4	4,181.43	1/4	3,869.63	1/4	3,536.34	1/4	2,853.59	1/4	2,512.21	1/4	2,170.83
1/2		1/2		1/2		1/2	4,483.08	1/2	4,175.15	1/2	3,862.90	1/2	3,529.23	1/2	2,846.47	1/2	2,505.10	1/2	2,163.72
3/4		3/4		3/4		3/4	4,476.26	3/4	4,168.87	3/4	3,856.17	3/4	3,522.11	3/4	2,839.36	3/4	2,497.99	3/4	2,156.61
9		9		9		9	4,469.44	9	4,162.58	9	3,849.44	9	3,515.00	9	2,832.25	9	2,490.87	9	2,149.50
1/4		1/4		1/4		1/4	4,462.36	1/4	4,156.27	1/4	3,842.68	1/4	3,507.89	1/4	2,825.14	1/4	2,483.76	1/4	2,142.39
1/2		1/2		1/2		1/2	4,455.28	1/2	4,149.95	1/2	3,835.91	1/2	3,500.78	1/2	2,818.03	1/2	2,476.65	1/2	2,135.27
3/4		3/4		3/4		3/4	4,448.19	3/4	4,143.63	3/4	3,829.15	3/4	3,493.67	3/4	2,810.91	3/4	2,469.54	3/4	2,128.16
10		10		10		10	4,441.11	10	4,137.31	10	3,822.38	10	3,486.55	10	2,803.80	10	2,462.43	10	2,121.05
1/4		1/4		1/4		1/4	4,434.03	1/4	4,130.95	1/4	3,815.58	1/4	3,479.44	1/4	2,796.69	1/4	2,455.31	1/4	2,113.94
1/2		1/2		1/2		1/2	4,426.94	1/2	4,124.59	1/2	3,808.78	1/2	3,472.33	1/2	2,789.58	1/2	2,448.20	1/2	2,106.83
3/4		3/4		3/4		3/4	4,419.86	3/4	4,118.24	3/4	3,801.98	3/4	3,465.22	3/4	2,782.47	3/4	2,441.09	3/4	2,099.71
11		11		11		11	4,412.78	11	4,111.88	11	3,795.17	11	3,458.11	11	2,775.35	11	2,433.98	11	2,092.60
1/4		1/4		1/4		1/4	4,405.69	1/4	4,105.49	1/4	3,788.33	1/4	3,450.99	1/4	2,768.24	1/4	2,426.87	1/4	2,085.49
1/2		1/2		1/2		1/2	4,398.61	1/2	4,099.09	1/2	3,781.49	1/2	3,443.88	1/2	2,761.13	1/2	2,419.75	1/2	2,078.38
3/4		3/4		3/4		3/4	4,391.53	3/4	4,092.70	3/4	3,774.65	3/4	3,436.77	3/4	2,754.02	3/4	2,412.64	3/4	2,071.27

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 12'-06" OFF CENTERLINE AND 37'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29066"

**1 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,064.15	0	1,722.78	0	1,381.40	0	1,040.03	0	699.83	0	383.45	0	99.44	0		0			
1/4	2,057.04	1/4	1,715.67	1/4	1,374.29	1/4	1,032.91	1/4	692.93	1/4	377.23	1/4	93.89	1/4	1/4	1/4			
1/2	2,049.93	1/2	1,708.55	1/2	1,367.18	1/2	1,025.80	1/2	686.03	1/2	371.01	1/2	88.34	1/2	1/2	1/2			
3/4	2,042.82	3/4	1,701.44	3/4	1,360.07	3/4	1,018.69	3/4	679.13	3/4	364.78	3/4	82.79	3/4	3/4	3/4			
1	2,035.71	1	1,694.33	1	1,352.95	1	1,011.58	1	672.22	1	358.56	1	77.23	1	1	1			
1/4	2,028.59	1/4	1,687.22	1/4	1,345.84	1/4	1,004.47	1/4	665.38	1/4	352.39	1/4	71.74	1/4	1/4	1/4			
1/2	2,021.48	1/2	1,680.11	1/2	1,338.73	1/2	997.35	1/2	658.53	1/2	346.22	1/2	66.24	1/2	1/2	1/2			
3/4	2,014.37	3/4	1,672.99	3/4	1,331.62	3/4	990.24	3/4	651.69	3/4	340.06	3/4	60.74	3/4	3/4	3/4			
2	2,007.26	2	1,665.88	2	1,324.51	2	983.13	2	644.84	2	333.89	2	55.25	2	2	2			
1/4	2,000.15	1/4	1,658.77	1/4	1,317.39	1/4	976.02	1/4	638.06	1/4	327.78	1/4	49.81	1/4	1/4	1/4			
1/2	1,993.03	1/2	1,651.66	1/2	1,310.28	1/2	968.91	1/2	631.27	1/2	321.67	1/2	44.37	1/2	1/2	1/2			
3/4	1,985.92	3/4	1,644.55	3/4	1,303.17	3/4	961.79	3/4	624.48	3/4	315.55	3/4	38.93	3/4	3/4	3/4			
3	1,978.81	3	1,637.43	3	1,296.06	3	954.68	3	617.69	3	309.44	3	33.48	3	3	3			
1/4	1,971.70	1/4	1,630.32	1/4	1,288.95	1/4	947.57	1/4	610.96	1/4	303.39	1/4	28.77	1/4	1/4	1/4			
1/2	1,964.59	1/2	1,623.21	1/2	1,281.83	1/2	940.46	1/2	604.22	1/2	297.33	1/2	24.05	1/2	1/2	1/2			
3/4	1,957.47	3/4	1,616.10	3/4	1,274.72	3/4	933.35	3/4	597.49	3/4	291.28	3/4	19.33	3/4	3/4	3/4			
4	1,950.36	4	1,608.99	4	1,267.61	4	926.23	4	590.76	4	285.22	4	14.61	4	4	4			
1/4	1,943.25	1/4	1,601.87	1/4	1,260.50	1/4	919.12	1/4	584.08	1/4	279.22	1/4	11.51	1/4	1/4	1/4			
1/2	1,936.14	1/2	1,594.76	1/2	1,253.39	1/2	912.01	1/2	577.41	1/2	273.22	1/2	8.40	1/2	1/2	1/2			
3/4	1,929.03	3/4	1,587.65	3/4	1,246.27	3/4	904.90	3/4	570.73	3/4	267.22	3/4	5.30	3/4	3/4	3/4			
5	1,921.91	5	1,580.54	5	1,239.16	5	897.79	5	564.05	5	261.22	5	2.19	5		5			
1/4	1,914.80	1/4	1,573.43	1/4	1,232.05	1/4	890.67	1/4	557.43	1/4	255.27	1/4		1/4	1/4	1/4			
1/2	1,907.69	1/2	1,566.31	1/2	1,224.94	1/2	883.56	1/2	550.81	1/2	249.32	1/2		1/2	1/2	1/2			
3/4	1,900.58	3/4	1,559.20	3/4	1,217.83	3/4	876.45	3/4	544.19	3/4	243.38	3/4		3/4	3/4	3/4			
6	1,893.47	6	1,552.09	6	1,210.71	6	869.34	6	537.57	6	237.43	6		6	6	6			
1/4	1,886.35	1/4	1,544.98	1/4	1,203.60	1/4	862.23	1/4	531.01	1/4	231.54	1/4		1/4	1/4	1/4			
1/2	1,879.24	1/2	1,537.87	1/2	1,196.49	1/2	855.11	1/2	524.44	1/2	225.65	1/2		1/2	1/2	1/2			
3/4	1,872.13	3/4	1,530.75	3/4	1,189.38	3/4	848.00	3/4	517.88	3/4	219.76	3/4		3/4	3/4	3/4			
7	1,865.02	7	1,523.64	7	1,182.27	7	840.89	7	511.31	7	213.87	7		7	7	7			
1/4	1,857.91	1/4	1,516.53	1/4	1,175.15	1/4	833.78	1/4	504.81	1/4	208.04	1/4		1/4	1/4	1/4			
1/2	1,850.79	1/2	1,509.42	1/2	1,168.04	1/2	826.67	1/2	498.30	1/2	202.21	1/2		1/2	1/2	1/2			
3/4	1,843.68	3/4	1,502.31	3/4	1,160.93	3/4	819.55	3/4	491.79	3/4	196.37	3/4		3/4	3/4	3/4			
8	1,836.57	8	1,495.19	8	1,153.82	8	812.44	8	485.28	8	190.54	8		8	8	8			
1/4	1,829.46	1/4	1,488.08	1/4	1,146.71	1/4	805.33	1/4	478.83	1/4	184.76	1/4		1/4	1/4	1/4			
1/2	1,822.35	1/2	1,480.97	1/2	1,139.59	1/2	798.22	1/2	472.38	1/2	178.98	1/2		1/2	1/2	1/2			
3/4	1,815.23	3/4	1,473.86	3/4	1,132.48	3/4	791.11	3/4	465.93	3/4	173.21	3/4		3/4	3/4	3/4			
9	1,808.12	9	1,466.75	9	1,125.37	9	783.99	9	459.49	9	167.43	9		9	9	9			
1/4	1,801.01	1/4	1,459.63	1/4	1,118.26	1/4	776.92	1/4	453.09	1/4	161.71	1/4		1/4	1/4	1/4			
1/2	1,793.90	1/2	1,452.52	1/2	1,111.15	1/2	769.85	1/2	446.70	1/2	155.98	1/2		1/2	1/2	1/2			
3/4	1,786.79	3/4	1,445.41	3/4	1,104.03	3/4	762.78	3/4	440.31	3/4	150.26	3/4		3/4	3/4	3/4			
10	1,779.67	10	1,438.30	10	1,096.92	10	755.71	10	433.92	10	144.54	10		10	10	10			
1/4	1,772.56	1/4	1,431.19	1/4	1,089.81	1/4	748.70	1/4	427.58	1/4	138.88	1/4		1/4	1/4	1/4			
1/2	1,765.45	1/2	1,424.07	1/2	1,082.70	1/2	741.69	1/2	421.24	1/2	133.21	1/2		1/2	1/2	1/2			
3/4	1,758.34	3/4	1,416.96	3/4	1,075.59	3/4	734.67	3/4	414.91	3/4	127.55	3/4		3/4	3/4	3/4			
11	1,751.23	11	1,409.85	11	1,068.47	11	727.66	11	408.57	11	121.88	11		11	11	11			
1/4	1,744.11	1/4	1,402.74	1/4	1,061.36	1/4	720.70	1/4	402.29	1/4	116.27	1/4		1/4	1/4	1/4			
1/2	1,737.00	1/2	1,395.63	1/2	1,054.25	1/2	713.75	1/2	396.01	1/2	110.66	1/2		1/2	1/2	1/2			
3/4	1,729.89	3/4	1,388.51	3/4	1,047.14	3/4	706.79	3/4	389.73	3/4	105.05	3/4		3/4	3/4	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2017 SW
CALCULATED: 10/12/2017 CL
PRINTED: 10/13/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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



BARGE "KIRBY 29066"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,104.80	0	4,765.72	0	4,401.72	0	4,016.15	0	3,627.76	0	3,239.38	0	2,851.00
1/4		1/4		1/4		1/4	5,097.76	1/4	4,758.40	1/4	4,393.90	1/4	4,008.06	1/4	3,619.67	1/4	3,231.29	1/4	2,842.91
1/2		1/2		1/2		1/2	5,091.00	1/2	4,751.03	1/2	4,386.03	1/2	3,999.96	1/2	3,611.58	1/2	3,223.20	1/2	2,834.82
3/4		3/4		3/4		3/4	5,084.24	3/4	4,743.67	3/4	4,378.16	3/4	3,991.87	3/4	3,603.49	3/4	3,215.11	3/4	2,826.73
1		1		1		1	5,077.48	1	4,736.31	1	4,370.30	1	3,983.78	1	3,595.40	1	3,207.02	1	2,818.63
1/4		1/4		1/4		1/4	5,070.72	1/4	4,728.95	1/4	4,362.43	1/4	3,975.69	1/4	3,587.31	1/4	3,198.93	1/4	2,810.54
1/2		1/2		1/2		1/2	5,063.92	1/2	4,721.54	1/2	4,354.52	1/2	3,967.60	1/2	3,579.22	1/2	3,190.83	1/2	2,802.45
3/4		3/4		3/4		3/4	5,057.11	3/4	4,714.14	3/4	4,346.61	3/4	3,959.51	3/4	3,571.13	3/4	3,182.74	3/4	2,794.36
2		2		2		2	5,050.31	2	4,706.74	2	4,338.70	2	3,951.42	2	3,563.03	2	3,174.65	2	2,786.27
1/4		1/4		1/4		1/4	5,043.51	1/4	4,699.33	1/4	4,330.79	1/4	3,943.33	1/4	3,554.94	1/4	3,166.56	1/4	2,778.18
1/2		1/2		1/2		1/2	5,036.59	1/2	4,691.89	1/2	4,322.82	1/2	3,935.23	1/2	3,546.85	1/2	3,158.47	1/2	2,770.09
3/4		3/4		3/4		3/4	5,029.67	3/4	4,684.44	3/4	4,314.85	3/4	3,927.14	3/4	3,538.76	3/4	3,150.38	3/4	2,762.00
3		3		3		3	5,022.76	3	4,676.99	3	4,306.88	3	3,919.05	3	3,530.67	3	3,142.29	3	2,753.90
1/4		1/4		1/4		1/4	5,015.84	1/4	4,669.55	1/4	4,298.91	1/4	3,910.96	1/4	3,522.58	1/4	3,134.20	1/4	2,745.81
1/2		1/2		1/2		1/2	5,008.86	1/2	4,662.06	1/2	4,290.89	1/2	3,902.87	1/2	3,514.49	1/2	3,126.10	1/2	2,737.72
3/4		3/4		3/4		3/4	5,001.87	3/4	4,654.57	3/4	4,282.88	3/4	3,894.78	3/4	3,506.40	3/4	3,118.01	3/4	2,729.63
4		4		4		4	4,994.89	4	4,647.08	4	4,274.86	4	3,886.69	4	3,498.30	4	3,109.92	4	2,721.54
1/4		1/4		1/4		1/4	4,987.91	1/4	4,639.59	1/4	4,266.84	1/4	3,878.59	1/4	3,490.21	1/4	3,101.83	1/4	2,713.45
1/2		1/2		1/2		1/2	4,980.88	1/2	4,632.06	1/2	4,258.78	1/2	3,870.50	1/2	3,482.12	1/2	3,093.74	1/2	2,705.36
3/4		3/4		3/4		3/4	4,973.86	3/4	4,624.53	3/4	4,250.72	3/4	3,862.41	3/4	3,474.03	3/4	3,085.65	3/4	2,697.27
5		5		5		5	4,966.83	5	4,617.00	5	4,242.66	5	3,854.32	5	3,465.94	5	3,077.56	5	2,689.17
1/4		1/4		1/4		1/4	4,959.81	1/4	4,609.47	1/4	4,234.60	1/4	3,846.23	1/4	3,457.85	1/4	3,069.46	1/4	2,681.08
1/2		1/2		1/2		1/2	4,952.74	1/2	4,601.90	1/2	4,226.51	1/2	3,838.14	1/2	3,449.76	1/2	3,061.37	1/2	2,672.99
3/4		3/4		3/4		3/4	4,945.68	3/4	4,594.33	3/4	4,218.42	3/4	3,830.05	3/4	3,441.66	3/4	3,053.28	3/4	2,664.90
6		6		6	5,282.43	6	4,938.61	6	4,586.75	6	4,210.34	6	3,821.96	6	3,433.57	6	3,045.19	6	2,656.81
1/4		1/4		1/4	5,277.70	1/4	4,931.54	1/4	4,579.18	1/4	4,202.25	1/4	3,813.86	1/4	3,425.48	1/4	3,037.10	1/4	2,648.72
1/2		1/2		1/2	5,271.34	1/2	4,924.43	1/2	4,571.57	1/2	4,194.16	1/2	3,805.77	1/2	3,417.39	1/2	3,029.01	1/2	2,640.63
3/4		3/4		3/4	5,264.99	3/4	4,917.32	3/4	4,563.95	3/4	4,186.06	3/4	3,797.68	3/4	3,409.30	3/4	3,020.92	3/4	2,632.53
7		7		7	5,258.63	7	4,910.21	7	4,556.34	7	4,177.97	7	3,789.59	7	3,401.21	7	3,012.83	7	2,624.44
1/4		1/4		1/4	5,252.28	1/4	4,903.11	1/4	4,548.72	1/4	4,169.88	1/4	3,781.50	1/4	3,393.12	1/4	3,004.73	1/4	2,616.35
1/2		1/2		1/2	5,244.61	1/2	4,895.95	1/2	4,541.07	1/2	4,161.79	1/2	3,773.41	1/2	3,385.03	1/2	2,996.64	1/2	2,608.26
3/4		3/4		3/4	5,236.94	3/4	4,888.80	3/4	4,533.41	3/4	4,153.70	3/4	3,765.32	3/4	3,376.93	3/4	2,988.55	3/4	2,600.17
8		8		8	5,229.27	8	4,881.65	8	4,525.75	8	4,145.61	8	3,757.23	8	3,368.84	8	2,980.46	8	2,592.08
1/4		1/4		1/4	5,221.60	1/4	4,874.50	1/4	4,518.09	1/4	4,137.52	1/4	3,749.13	1/4	3,360.75	1/4	2,972.37	1/4	2,583.99
1/2		1/2		1/2	5,213.63	1/2	4,867.31	1/2	4,510.40	1/2	4,129.43	1/2	3,741.04	1/2	3,352.66	1/2	2,964.28	1/2	2,575.89
3/4		3/4		3/4	5,205.65	3/4	4,860.11	3/4	4,502.70	3/4	4,121.33	3/4	3,732.95	3/4	3,344.57	3/4	2,956.19	3/4	2,567.80
9		9		9	5,197.68	9	4,852.92	9	4,495.00	9	4,113.24	9	3,724.86	9	3,336.48	9	2,948.10	9	2,559.70
1/4		1/4		1/4	5,189.71	1/4	4,845.73	1/4	4,487.30	1/4	4,105.15	1/4	3,716.77	1/4	3,328.39	1/4	2,940.00	1/4	2,551.61
1/2		1/2		1/2	5,181.74	1/2	4,838.49	1/2	4,479.56	1/2	4,097.06	1/2	3,708.68	1/2	3,320.30	1/2	2,931.91	1/2	2,543.51
3/4		3/4		3/4	5,173.76	3/4	4,831.26	3/4	4,471.82	3/4	4,088.97	3/4	3,700.59	3/4	3,312.20	3/4	2,923.82	3/4	2,535.42
10		10		10	5,165.79	10	4,824.02	10	4,464.08	10	4,080.88	10	3,692.50	10	3,304.11	10	2,915.73	10	2,527.32
1/4		1/4		1/4	5,157.82	1/4	4,816.79	1/4	4,456.33	1/4	4,072.79	1/4	3,684.40	1/4	3,296.02	1/4	2,907.64	1/4	2,519.23
1/2		1/2		1/2	5,149.84	1/2	4,809.51	1/2	4,448.55	1/2	4,064.69	1/2	3,676.31	1/2	3,287.93	1/2	2,899.55	1/2	2,511.13
3/4		3/4		3/4	5,141.87	3/4	4,802.23	3/4	4,440.77	3/4	4,056.60	3/4	3,668.22	3/4	3,279.84	3/4	2,891.46	3/4	2,503.03
11		11		11	5,133.90	11	4,794.95	11	4,432.98	11	4,048.51	11	3,660.13	11	3,271.75	11	2,883.37	11	2,494.94
1/4		1/4		1/4	5,125.93	1/4	4,787.68	1/4	4,425.20	1/4	4,040.42	1/4	3,652.04	1/4	3,263.66	1/4	2,875.27	1/4	2,486.84
1/2		1/2		1/2	5,118.89	1/2	4,780.36	1/2	4,417.38	1/2	4,032.33	1/2	3,643.95	1/2	3,255.56	1/2	2,867.18	1/2	2,478.75
3/4		3/4		3/4	5,111.84	3/4	4,773.04	3/4	4,409.55	3/4	4,024.24	3/4	3,635.86	3/4	3,247.47	3/4	2,859.09	3/4	2,470.65

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 12'-06" 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 29066"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,462.56	0	2,073.96	0	1,685.37	0	1,296.78	0	908.88	0	534.56	0	146.10	0		0		0	
1/4	2,454.46	1/4	2,065.87	1/4	1,677.27	1/4	1,288.68	1/4	901.02	1/4	526.55	1/4	138.00	1/4		1/4		1/4	
1/2	2,446.36	1/2	2,057.77	1/2	1,669.18	1/2	1,280.58	1/2	893.24	1/2	518.46	1/2	129.90	1/2		1/2		1/2	
3/4	2,438.27	3/4	2,049.68	3/4	1,661.08	3/4	1,272.49	3/4	885.46	3/4	510.36	3/4	121.81	3/4		3/4		3/4	
1	2,430.17	1	2,041.58	1	1,652.99	1	1,264.39	1	877.67	1	502.27	1	113.71	1		1		1	
1/4	2,422.08	1/4	2,033.48	1/4	1,644.89	1/4	1,256.30	1/4	869.89	1/4	494.18	1/4	105.62	1/4		1/4		1/4	
1/2	2,413.98	1/2	2,025.39	1/2	1,636.79	1/2	1,248.20	1/2	862.11	1/2	486.09	1/2	97.52	1/2		1/2		1/2	
3/4	2,405.89	3/4	2,017.29	3/4	1,628.70	3/4	1,240.11	3/4	854.32	3/4	477.99	3/4	89.43	3/4		3/4		3/4	
2	2,397.79	2	2,009.20	2	1,620.60	2	1,232.01	2	846.54	2	469.90	2	81.33	2		2		2	
1/4	2,389.69	1/4	2,001.10	1/4	1,612.51	1/4	1,223.91	1/4	838.76	1/4	461.81	1/4	73.23	1/4		1/4		1/4	
1/2	2,381.60	1/2	1,993.01	1/2	1,604.41	1/2	1,215.82	1/2	830.97	1/2	453.72	1/2	65.90	1/2		1/2		1/2	
3/4	2,373.50	3/4	1,984.91	3/4	1,596.32	3/4	1,207.72	3/4	823.19	3/4	445.63	3/4	58.56	3/4		3/4		3/4	
3	2,365.41	3	1,976.81	3	1,588.22	3	1,199.63	3	815.41	3	437.53	3	51.22	3		3		3	
1/4	2,357.31	1/4	1,968.72	1/4	1,580.12	1/4	1,191.53	1/4	807.62	1/4	429.44	1/4	43.89	1/4		1/4		1/4	
1/2	2,349.22	1/2	1,960.62	1/2	1,572.03	1/2	1,183.44	1/2	799.84	1/2	421.35	1/2	38.32	1/2		1/2		1/2	
3/4	2,341.12	3/4	1,952.53	3/4	1,563.93	3/4	1,175.34	3/4	792.06	3/4	413.25	3/4	32.75	3/4		3/4		3/4	
4	2,333.02	4	1,944.43	4	1,555.84	4	1,167.24	4	784.27	4	405.16	4	27.19	4		4		4	
1/4	2,324.93	1/4	1,936.34	1/4	1,547.74	1/4	1,159.15	1/4	776.49	1/4	397.06	1/4	21.62	1/4		1/4		1/4	
1/2	2,316.83	1/2	1,928.24	1/2	1,539.65	1/2	1,151.05	1/2	768.71	1/2	388.97	1/2		1/2		1/2		1/2	
3/4	2,308.74	3/4	1,920.14	3/4	1,531.55	3/4	1,142.96	3/4	760.92	3/4	380.87	3/4		3/4		3/4		3/4	
5	2,300.64	5	1,912.05	5	1,523.45	5	1,134.86	5	753.14	5	372.78	5		5		5		5	
1/4	2,292.55	1/4	1,903.95	1/4	1,515.36	1/4	1,126.77	1/4	745.35	1/4	364.68	1/4		1/4		1/4		1/4	
1/2	2,284.45	1/2	1,895.86	1/2	1,507.26	1/2	1,118.67	1/2	737.57	1/2	356.58	1/2		1/2		1/2		1/2	
3/4	2,276.35	3/4	1,887.76	3/4	1,499.17	3/4	1,110.57	3/4	729.79	3/4	348.49	3/4		3/4		3/4		3/4	
6	2,268.26	6	1,879.67	6	1,491.07	6	1,102.48	6	722.00	6	340.39	6		6		6		6	
1/4	2,260.16	1/4	1,871.57	1/4	1,482.98	1/4	1,094.38	1/4	714.22	1/4	332.30	1/4		1/4		1/4		1/4	
1/2	2,252.07	1/2	1,863.47	1/2	1,474.88	1/2	1,086.29	1/2	706.44	1/2	324.20	1/2		1/2		1/2		1/2	
3/4	2,243.97	3/4	1,855.38	3/4	1,466.78	3/4	1,078.19	3/4	698.65	3/4	316.11	3/4		3/4		3/4		3/4	
7	2,235.88	7	1,847.28	7	1,458.69	7	1,070.10	7	690.87	7	308.01	7		7		7		7	
1/4	2,227.78	1/4	1,839.19	1/4	1,450.59	1/4	1,062.00	1/4	683.09	1/4	299.91	1/4		1/4		1/4		1/4	
1/2	2,219.68	1/2	1,831.09	1/2	1,442.50	1/2	1,053.90	1/2	675.31	1/2	291.82	1/2		1/2		1/2		1/2	
3/4	2,211.59	3/4	1,823.00	3/4	1,434.40	3/4	1,045.81	3/4	667.53	3/4	283.72	3/4		3/4		3/4		3/4	
8	2,203.49	8	1,814.90	8	1,426.31	8	1,037.71	8	659.75	8	275.63	8		8		8		8	
1/4	2,195.40	1/4	1,806.80	1/4	1,418.21	1/4	1,029.62	1/4	651.96	1/4	267.53	1/4		1/4		1/4		1/4	
1/2	2,187.30	1/2	1,798.71	1/2	1,410.11	1/2	1,021.52	1/2	644.18	1/2	259.44	1/2		1/2		1/2		1/2	
3/4	2,179.21	3/4	1,790.61	3/4	1,402.02	3/4	1,013.43	3/4	636.40	3/4	251.34	3/4		3/4		3/4		3/4	
9	2,171.11	9	1,782.52	9	1,393.92	9	1,005.33	9	628.62	9	243.24	9		9		9		9	
1/4	2,163.01	1/4	1,774.42	1/4	1,385.83	1/4	997.23	1/4	620.84	1/4	235.15	1/4		1/4		1/4		1/4	
1/2	2,154.92	1/2	1,766.33	1/2	1,377.73	1/2	989.14	1/2	613.06	1/2	227.05	1/2		1/2		1/2		1/2	
3/4	2,146.82	3/4	1,758.23	3/4	1,369.64	3/4	981.04	3/4	605.28	3/4	218.96	3/4		3/4		3/4		3/4	
10	2,138.73	10	1,750.13	10	1,361.54	10	972.95	10	597.50	10	210.86	10		10		10		10	
1/4	2,130.63	1/4	1,742.04	1/4	1,353.44	1/4	964.85	1/4	589.72	1/4	202.77	1/4		1/4		1/4		1/4	
1/2	2,122.54	1/2	1,733.94	1/2	1,345.35	1/2	956.76	1/2	581.94	1/2	194.67	1/2		1/2		1/2		1/2	
3/4	2,114.44	3/4	1,725.85	3/4	1,337.25	3/4	948.66	3/4	574.16	3/4	186.57	3/4		3/4		3/4		3/4	
11	2,106.35	11	1,717.75	11	1,329.16	11	940.56	11	566.38	11	178.48	11		11		11		11	
1/4	2,098.25	1/4	1,709.66	1/4	1,321.06	1/4	932.47	1/4	558.60	1/4	170.38	1/4		1/4		1/4		1/4	
1/2	2,090.15	1/2	1,701.56	1/2	1,312.97	1/2	924.61	1/2	550.59	1/2	162.29	1/2		1/2		1/2		1/2	
3/4	2,082.06	3/4	1,693.46	3/4	1,304.87	3/4	916.75	3/4	542.58	3/4	154.19	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2017 SW
CALCULATED: 10/12/2017 CL
PRINTED: 10/13/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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



BARGE "KIRBY 29066"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	5,124.03	0	4,786.24	0	4,424.00	0	4,039.70	0	3,652.05	0	3,264.39	0	2,876.74
1/4		1/4		1/4		1/4	5,117.01	1/4	4,778.94	1/4	4,416.19	1/4	4,031.62	1/4	3,643.97	1/4	3,256.32	1/4	2,868.67
1/2		1/2		1/2		1/2	5,109.98	1/2	4,771.63	1/2	4,408.38	1/2	4,023.55	1/2	3,635.90	1/2	3,248.24	1/2	2,860.59
3/4		3/4		3/4		3/4	5,102.96	3/4	4,764.33	3/4	4,400.57	3/4	4,015.47	3/4	3,627.82	3/4	3,240.17	3/4	2,852.51
1		1		1		1	5,096.21	1	4,756.98	1	4,392.72	1	4,007.40	1	3,619.74	1	3,232.09	1	2,844.44
1/4		1/4		1/4		1/4	5,089.47	1/4	4,749.64	1/4	4,384.86	1/4	3,999.32	1/4	3,611.67	1/4	3,224.01	1/4	2,836.36
1/2		1/2		1/2		1/2	5,082.72	1/2	4,742.29	1/2	4,377.01	1/2	3,991.24	1/2	3,603.59	1/2	3,215.94	1/2	2,828.29
3/4		3/4		3/4		3/4	5,075.98	3/4	4,734.94	3/4	4,369.16	3/4	3,983.17	3/4	3,595.52	3/4	3,207.86	3/4	2,820.21
2		2		2		2	5,069.19	2	4,727.55	2	4,361.26	2	3,975.09	2	3,587.44	2	3,199.79	2	2,812.13
1/4		1/4		1/4		1/4	5,062.40	1/4	4,720.17	1/4	4,353.37	1/4	3,967.02	1/4	3,579.36	1/4	3,191.71	1/4	2,804.06
1/2		1/2		1/2		1/2	5,055.61	1/2	4,712.78	1/2	4,345.48	1/2	3,958.94	1/2	3,571.29	1/2	3,183.63	1/2	2,795.98
3/4		3/4		3/4		3/4	5,048.82	3/4	4,705.39	3/4	4,337.58	3/4	3,950.86	3/4	3,563.21	3/4	3,175.56	3/4	2,787.91
3		3		3		3	5,041.92	3	4,697.96	3	4,329.63	3	3,942.79	3	3,555.13	3	3,167.48	3	2,779.83
1/4		1/4		1/4		1/4	5,035.02	1/4	4,690.53	1/4	4,321.67	1/4	3,934.71	1/4	3,547.06	1/4	3,159.41	1/4	2,771.75
1/2		1/2		1/2		1/2	5,028.12	1/2	4,683.10	1/2	4,313.72	1/2	3,926.64	1/2	3,538.98	1/2	3,151.33	1/2	2,763.68
3/4		3/4		3/4		3/4	5,021.22	3/4	4,675.67	3/4	4,305.76	3/4	3,918.56	3/4	3,530.91	3/4	3,143.25	3/4	2,755.60
4		4		4		4	5,014.25	4	4,668.19	4	4,297.76	4	3,910.48	4	3,522.83	4	3,135.18	4	2,747.52
1/4		1/4		1/4		1/4	5,007.28	1/4	4,660.72	1/4	4,289.76	1/4	3,902.41	1/4	3,514.75	1/4	3,127.10	1/4	2,739.45
1/2		1/2		1/2		1/2	5,000.32	1/2	4,653.25	1/2	4,281.76	1/2	3,894.33	1/2	3,506.68	1/2	3,119.03	1/2	2,731.37
3/4		3/4		3/4		3/4	4,993.35	3/4	4,645.77	3/4	4,273.75	3/4	3,886.25	3/4	3,498.60	3/4	3,110.95	3/4	2,723.30
5		5		5		5	4,986.34	5	4,638.26	5	4,265.71	5	3,878.18	5	3,490.53	5	3,102.87	5	2,715.22
1/4		1/4		1/4		1/4	4,979.33	1/4	4,630.74	1/4	4,257.67	1/4	3,870.10	1/4	3,482.45	1/4	3,094.80	1/4	2,707.14
1/2		1/2		1/2		1/2	4,972.32	1/2	4,623.23	1/2	4,249.62	1/2	3,862.03	1/2	3,474.37	1/2	3,086.72	1/2	2,699.07
3/4		3/4		3/4		3/4	4,965.31	3/4	4,615.71	3/4	4,241.58	3/4	3,853.95	3/4	3,466.30	3/4	3,078.64	3/4	2,690.99
6		6		6		6	4,958.26	6	4,608.16	6	4,233.51	6	3,845.87	6	3,458.22	6	3,070.57	6	2,682.92
1/4		1/4		1/4		1/4	4,951.21	1/4	4,600.60	1/4	4,225.44	1/4	3,837.80	1/4	3,450.15	1/4	3,062.49	1/4	2,674.84
1/2		1/2		1/2		1/2	5,287.26	1/2	4,944.16	1/2	4,593.04	1/2	4,217.37	1/2	3,829.72	1/2	3,442.07	1/2	3,054.42
3/4		3/4		3/4		3/4	5,282.53	3/4	4,937.11	3/4	4,585.48	3/4	4,209.30	3/4	3,821.65	3/4	3,433.99	3/4	3,046.34
7		7		7		7	5,276.19	7	4,930.01	7	4,577.88	7	4,201.22	7	3,813.57	7	3,425.92	7	3,038.26
1/4		1/4		1/4		1/4	5,269.85	1/4	4,922.92	1/4	4,570.28	1/4	4,193.15	1/4	3,805.49	1/4	3,417.84	1/4	3,030.19
1/2		1/2		1/2		1/2	5,263.51	1/2	4,915.83	1/2	4,562.69	1/2	4,185.07	1/2	3,797.42	1/2	3,409.76	1/2	3,022.11
3/4		3/4		3/4		3/4	5,257.17	3/4	4,908.73	3/4	4,555.09	3/4	4,176.99	3/4	3,789.34	3/4	3,401.69	3/4	3,014.04
8		8		8		8	5,249.51	8	4,901.60	8	4,547.44	8	4,168.92	8	3,781.27	8	3,393.61	8	3,005.96
1/4		1/4		1/4		1/4	5,241.86	1/4	4,894.46	1/4	4,539.80	1/4	4,160.84	1/4	3,773.19	1/4	3,385.54	1/4	2,997.88
1/2		1/2		1/2		1/2	5,234.20	1/2	4,887.32	1/2	4,532.16	1/2	4,152.77	1/2	3,765.11	1/2	3,377.46	1/2	2,989.81
3/4		3/4		3/4		3/4	5,226.55	3/4	4,880.19	3/4	4,524.52	3/4	4,144.69	3/4	3,757.04	3/4	3,369.38	3/4	2,981.73
9		9		9		9	5,218.59	9	4,873.01	9	4,516.84	9	4,136.61	9	3,748.96	9	3,361.31	9	2,973.66
1/4		1/4		1/4		1/4	5,210.63	1/4	4,865.83	1/4	4,509.15	1/4	4,128.54	1/4	3,740.88	1/4	3,353.23	1/4	2,965.58
1/2		1/2		1/2		1/2	5,202.68	1/2	4,858.65	1/2	4,501.47	1/2	4,120.46	1/2	3,732.81	1/2	3,345.16	1/2	2,957.50
3/4		3/4		3/4		3/4	5,194.72	3/4	4,851.48	3/4	4,493.78	3/4	4,112.39	3/4	3,724.73	3/4	3,337.08	3/4	2,949.43
10		10		10		10	5,186.76	10	4,844.26	10	4,486.06	10	4,104.31	10	3,716.66	10	3,329.00	10	2,941.35
1/4		1/4		1/4		1/4	5,178.80	1/4	4,837.04	1/4	4,478.33	1/4	4,096.23	1/4	3,708.58	1/4	3,320.93	1/4	2,933.27
1/2		1/2		1/2		1/2	5,170.85	1/2	4,829.82	1/2	4,470.61	1/2	4,088.16	1/2	3,700.50	1/2	3,312.85	1/2	2,925.20
3/4		3/4		3/4		3/4	5,162.89	3/4	4,822.60	3/4	4,462.88	3/4	4,080.08	3/4	3,692.43	3/4	3,304.78	3/4	2,917.12
11		11		11		11	5,154.93	11	4,815.33	11	4,455.11	11	4,072.00	11	3,684.35	11	3,296.70	11	2,909.05
1/4		1/4		1/4		1/4	5,146.97	1/4	4,808.07	1/4	4,447.34	1/4	4,063.93	1/4	3,676.28	1/4	3,288.62	1/4	2,900.97
1/2		1/2		1/2		1/2	5,139.02	1/2	4,800.81	1/2	4,439.58	1/2	4,055.85	1/2	3,668.20	1/2	3,280.55	1/2	2,892.89
3/4		3/4		3/4		3/4	5,131.06	3/4	4,793.55	3/4	4,431.81	3/4	4,047.78	3/4	3,660.12	3/4	3,272.47	3/4	2,884.82

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 12'-06" 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 29066"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,489.03	0	2,101.17	0	1,713.31	0	1,325.45	0	937.60	0	549.79	0	161.99	0		0		0	
1/4	2,480.95	1/4	2,093.09	1/4	1,705.23	1/4	1,317.37	1/4	929.51	1/4	541.71	1/4	153.91	1/4		1/4		1/4	
1/2	2,472.87	1/2	2,085.01	1/2	1,697.15	1/2	1,309.29	1/2	921.43	1/2	533.64	1/2	145.83	1/2		1/2		1/2	
3/4	2,464.79	3/4	2,076.93	3/4	1,689.07	3/4	1,301.21	3/4	913.35	3/4	525.56	3/4	137.74	3/4		3/4		3/4	
1	2,456.71	1	2,068.85	1	1,680.99	1	1,293.13	1	905.27	1	517.48	1	129.66	1		1		1	
1/4	2,448.63	1/4	2,060.77	1/4	1,672.91	1/4	1,285.05	1/4	897.19	1/4	509.41	1/4	121.58	1/4		1/4		1/4	
1/2	2,440.55	1/2	2,052.69	1/2	1,664.83	1/2	1,276.97	1/2	889.11	1/2	501.33	1/2	113.50	1/2		1/2		1/2	
3/4	2,432.47	3/4	2,044.61	3/4	1,656.75	3/4	1,268.89	3/4	881.03	3/4	493.25	3/4	105.42	3/4		3/4		3/4	
2	2,424.39	2	2,036.53	2	1,648.67	2	1,260.81	2	872.95	2	485.17	2	97.34	2		2		2	
1/4	2,416.31	1/4	2,028.45	1/4	1,640.59	1/4	1,252.73	1/4	864.87	1/4	477.10	1/4	89.26	1/4		1/4		1/4	
1/2	2,408.23	1/2	2,020.37	1/2	1,632.51	1/2	1,244.65	1/2	856.79	1/2	469.02	1/2	81.18	1/2		1/2		1/2	
3/4	2,400.15	3/4	2,012.29	3/4	1,624.43	3/4	1,236.57	3/4	848.71	3/4	460.94	3/4	73.10	3/4		3/4		3/4	
3	2,392.07	3	2,004.21	3	1,616.35	3	1,228.49	3	840.63	3	452.87	3	65.78	3		3		3	
1/4	2,383.99	1/4	1,996.13	1/4	1,608.27	1/4	1,220.41	1/4	832.55	1/4	444.79	1/4	58.46	1/4		1/4		1/4	
1/2	2,375.91	1/2	1,988.05	1/2	1,600.19	1/2	1,212.33	1/2	824.47	1/2	436.71	1/2	51.13	1/2		1/2		1/2	
3/4	2,367.83	3/4	1,979.97	3/4	1,592.11	3/4	1,204.25	3/4	816.39	3/4	428.64	3/4	43.81	3/4		3/4		3/4	
4	2,359.75	4	1,971.89	4	1,584.03	4	1,196.17	4	808.31	4	420.56	4	38.25	4		4		4	
1/4	2,351.67	1/4	1,963.81	1/4	1,575.95	1/4	1,188.09	1/4	800.23	1/4	412.48	1/4	32.70	1/4		1/4		1/4	
1/2	2,343.58	1/2	1,955.73	1/2	1,567.87	1/2	1,180.01	1/2	792.15	1/2	404.40	1/2	27.14	1/2		1/2		1/2	
3/4	2,335.50	3/4	1,947.65	3/4	1,559.79	3/4	1,171.93	3/4	784.07	3/4	396.32	3/4	21.59	3/4		3/4		3/4	
5	2,327.42	5	1,939.56	5	1,551.71	5	1,163.85	5	775.99	5	388.24	5		5		5		5	
1/4	2,319.34	1/4	1,931.48	1/4	1,543.63	1/4	1,155.77	1/4	767.91	1/4	380.16	1/4		1/4		1/4		1/4	
1/2	2,311.26	1/2	1,923.40	1/2	1,535.54	1/2	1,147.69	1/2	759.83	1/2	372.08	1/2		1/2		1/2		1/2	
3/4	2,303.18	3/4	1,915.32	3/4	1,527.46	3/4	1,139.61	3/4	751.75	3/4	364.00	3/4		3/4		3/4		3/4	
6	2,295.10	6	1,907.24	6	1,519.38	6	1,131.52	6	743.67	6	355.92	6		6		6		6	
1/4	2,287.02	1/4	1,899.16	1/4	1,511.30	1/4	1,123.44	1/4	735.59	1/4	347.84	1/4		1/4		1/4		1/4	
1/2	2,278.94	1/2	1,891.08	1/2	1,503.22	1/2	1,115.36	1/2	727.50	1/2	339.75	1/2		1/2		1/2		1/2	
3/4	2,270.86	3/4	1,883.00	3/4	1,495.14	3/4	1,107.28	3/4	719.42	3/4	331.67	3/4		3/4		3/4		3/4	
7	2,262.78	7	1,874.92	7	1,487.06	7	1,099.20	7	711.34	7	323.59	7		7		7		7	
1/4	2,254.70	1/4	1,866.84	1/4	1,478.98	1/4	1,091.12	1/4	703.26	1/4	315.51	1/4		1/4		1/4		1/4	
1/2	2,246.62	1/2	1,858.76	1/2	1,470.90	1/2	1,083.04	1/2	695.18	1/2	307.43	1/2		1/2		1/2		1/2	
3/4	2,238.54	3/4	1,850.68	3/4	1,462.82	3/4	1,074.96	3/4	687.10	3/4	299.35	3/4		3/4		3/4		3/4	
8	2,230.46	8	1,842.60	8	1,454.74	8	1,066.88	8	679.02	8	291.27	8		8		8		8	
1/4	2,222.38	1/4	1,834.52	1/4	1,446.66	1/4	1,058.80	1/4	670.95	1/4	283.19	1/4		1/4		1/4		1/4	
1/2	2,214.30	1/2	1,826.44	1/2	1,438.58	1/2	1,050.72	1/2	662.87	1/2	275.11	1/2		1/2		1/2		1/2	
3/4	2,206.22	3/4	1,818.36	3/4	1,430.50	3/4	1,042.64	3/4	654.79	3/4	267.03	3/4		3/4		3/4		3/4	
9	2,198.14	9	1,810.28	9	1,422.42	9	1,034.56	9	646.71	9	258.95	9		9		9		9	
1/4	2,190.06	1/4	1,802.20	1/4	1,414.34	1/4	1,026.48	1/4	638.64	1/4	250.87	1/4		1/4		1/4		1/4	
1/2	2,181.98	1/2	1,794.12	1/2	1,406.26	1/2	1,018.40	1/2	630.56	1/2	242.79	1/2		1/2		1/2		1/2	
3/4	2,173.90	3/4	1,786.04	3/4	1,398.18	3/4	1,010.32	3/4	622.48	3/4	234.71	3/4		3/4		3/4		3/4	
10	2,165.82	10	1,777.96	10	1,390.10	10	1,002.24	10	614.41	10	226.63	10		10		10		10	
1/4	2,157.74	1/4	1,769.88	1/4	1,382.02	1/4	994.16	1/4	606.33	1/4	218.55	1/4		1/4		1/4		1/4	
1/2	2,149.66	1/2	1,761.80	1/2	1,373.94	1/2	986.08	1/2	598.25	1/2	210.47	1/2		1/2		1/2		1/2	
3/4	2,141.57	3/4	1,753.72	3/4	1,365.86	3/4	978.00	3/4	590.18	3/4	202.39	3/4		3/4		3/4		3/4	
11	2,133.49	11	1,745.64	11	1,357.78	11	969.92	11	582.10	11	194.31	11		11		11		11	
1/4	2,125.41	1/4	1,737.55	1/4	1,349.70	1/4	961.84	1/4	574.02	1/4	186.23	1/4		1/4		1/4		1/4	
1/2	2,117.33	1/2	1,729.47	1/2	1,341.62	1/2	953.76	1/2	565.94	1/2	178.15	1/2		1/2		1/2		1/2	
3/4	2,109.25	3/4	1,721.39	3/4	1,333.53	3/4	945.68	3/4	557.87	3/4	170.07	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2017 SW
CALCULATED: 10/12/2017 CL
PRINTED: 10/13/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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



BARGE "KIRBY 29066"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	4,513.05	0	4,256.65	0	3,981.84	0	3,690.08	0	3,386.03	0	3,026.25	0	2,665.92		
1/4		1/4		1/4		1/4	4,507.71	1/4	4,251.10	1/4	3,975.91	1/4	3,683.95	1/4	3,378.54	1/4	3,018.74	1/4	2,658.41		
1/2		1/2		1/2		1/2	4,502.37	1/2	4,245.55	1/2	3,969.97	1/2	3,677.81	1/2	3,371.04	1/2	3,011.23	1/2	2,650.91		
3/4		3/4		3/4		3/4	4,497.04	3/4	4,240.00	3/4	3,964.04	3/4	3,671.68	3/4	3,363.55	3/4	3,003.73	3/4	2,643.40		
1		1		1		1	4,491.70	1	4,234.45	1	3,958.11	1	3,665.54	1	3,356.05	1	2,996.22	1	2,635.89		
1/4		1/4		1/4		1/4	4,486.58	1/4	4,228.87	1/4	3,952.14	1/4	3,659.41	1/4	3,348.56	1/4	2,988.71	1/4	2,628.39		
1/2		1/2		1/2		1/2	4,481.45	1/2	4,223.29	1/2	3,946.18	1/2	3,653.27	1/2	3,341.07	1/2	2,981.21	1/2	2,620.88		
3/4		3/4		3/4		3/4	4,476.33	3/4	4,217.71	3/4	3,940.21	3/4	3,647.13	3/4	3,333.58	3/4	2,973.70	3/4	2,613.37		
2		2		2		2	4,471.20	2	4,212.13	2	3,934.25	2	3,641.00	2	3,326.09	2	2,966.19	2	2,605.87		
1/4		1/4		1/4		1/4	4,466.05	1/4	4,206.51	1/4	3,928.25	1/4	3,634.86	1/4	3,318.59	1/4	2,958.69	1/4	2,598.36		
1/2		1/2		1/2		1/2	4,460.89	1/2	4,200.90	1/2	3,922.25	1/2	3,628.73	1/2	3,311.10	1/2	2,951.18	1/2	2,590.85		
3/4		3/4		3/4		3/4	4,455.73	3/4	4,195.29	3/4	3,916.25	3/4	3,622.59	3/4	3,303.61	3/4	2,943.67	3/4	2,583.35		
3		3		3		3	4,450.58	3	4,189.68	3	3,910.26	3	3,616.46	3	3,296.12	3	2,936.17	3	2,575.84		
1/4		1/4		1/4		1/4	4,445.33	1/4	4,184.03	1/4	3,904.21	1/4	3,610.32	1/4	3,288.63	1/4	2,928.66	1/4	2,568.33		
1/2		1/2		1/2		1/2	4,440.09	1/2	4,178.39	1/2	3,898.17	1/2	3,604.18	1/2	3,281.13	1/2	2,921.15	1/2	2,560.83		
3/4		3/4		3/4		3/4	4,434.85	3/4	4,172.74	3/4	3,892.13	3/4	3,598.05	3/4	3,273.64	3/4	2,913.64	3/4	2,553.32		
4		4		4		4	4,429.60	4	4,167.10	4	3,886.08	4	3,591.91	4	3,266.15	4	2,906.14	4	2,545.81		
1/4		1/4		1/4		1/4	4,424.31	1/4	4,161.42	1/4	3,880.01	1/4	3,585.78	1/4	3,258.66	1/4	2,898.63	1/4	2,538.30		
1/2		1/2		1/2		1/2	4,419.02	1/2	4,155.74	1/2	3,873.93	1/2	3,579.64	1/2	3,251.17	1/2	2,891.12	1/2	2,530.80		
3/4		3/4		3/4		3/4	4,413.73	3/4	4,150.06	3/4	3,867.85	3/4	3,573.51	3/4	3,243.68	3/4	2,883.62	3/4	2,523.29		
5		5		5		5	4,408.43	5	4,144.39	5	3,861.77	5	3,567.37	5	3,236.18	5	2,876.11	5	2,515.78		
1/4		1/4		1/4		1/4	4,403.11	1/4	4,138.68	1/4	3,855.66	1/4	3,561.24	1/4	3,228.69	1/4	2,868.60	1/4	2,508.28		
1/2		1/2		1/2		1/2	4,397.78	1/2	4,132.97	1/2	3,849.54	1/2	3,555.10	1/2	3,221.20	1/2	2,861.10	1/2	2,500.77		
3/4		3/4		3/4		3/4	4,392.46	3/4	4,127.26	3/4	3,843.43	3/4	3,548.96	3/4	3,213.71	3/4	2,853.59	3/4	2,493.26		
6		6		6		6	4,387.13	6	4,121.55	6	3,837.32	6	3,542.83	6	3,206.22	6	2,846.08	6	2,485.76		
1/4		1/4		1/4		1/4	4,381.78	1/4	4,115.81	1/4	3,831.19	1/4	3,536.69	1/4	3,198.72	1/4	2,838.58	1/4	2,478.25		
1/2		1/2		1/2		1/2	4,376.42	1/2	4,110.07	1/2	3,825.06	1/2	3,530.56	1/2	3,191.23	1/2	2,831.07	1/2	2,470.74		
3/4		3/4		3/4		3/4	4,629.84	3/4	4,371.06	3/4	3,818.93	3/4	3,524.42	3/4	3,183.74	3/4	2,823.56	3/4	2,463.24		
7		7		7		7	4,626.81	7	4,365.71	7	4,098.59	7	3,812.80	7	3,518.29	7	3,176.25	7	2,816.06	7	2,455.73
1/4		1/4		1/4		1/4	4,622.26	1/4	4,360.32	1/4	4,092.81	1/4	3,806.66	1/4	3,512.15	1/4	3,168.76	1/4	2,808.55	1/4	2,448.22
1/2		1/2		1/2		1/2	4,617.72	1/2	4,354.93	1/2	4,087.04	1/2	3,800.52	1/2	3,506.02	1/2	3,161.27	1/2	2,801.04	1/2	2,440.72
3/4		3/4		3/4		3/4	4,613.18	3/4	4,349.54	3/4	4,081.27	3/4	3,794.39	3/4	3,499.89	3/4	3,153.77	3/4	2,793.54	3/4	2,433.21
8		8		8		8	4,608.64	8	4,344.15	8	4,075.49	8	3,788.25	8	3,493.75	8	3,146.28	8	2,786.03	8	2,425.70
1/4		1/4		1/4		1/4	4,602.88	1/4	4,338.73	1/4	4,069.69	1/4	3,782.12	1/4	3,487.62	1/4	3,138.79	1/4	2,778.52	1/4	2,418.20
1/2		1/2		1/2		1/2	4,597.12	1/2	4,333.31	1/2	4,063.88	1/2	3,775.98	1/2	3,481.49	1/2	3,131.30	1/2	2,771.02	1/2	2,410.69
3/4		3/4		3/4		3/4	4,591.35	3/4	4,327.89	3/4	4,058.08	3/4	3,769.85	3/4	3,475.36	3/4	3,123.81	3/4	2,763.51	3/4	2,403.19
9		9		9		9	4,585.59	9	4,322.47	9	4,052.27	9	3,763.71	9	3,469.23	9	3,116.31	9	2,756.00	9	2,395.69
1/4		1/4		1/4		1/4	4,579.55	1/4	4,317.01	1/4	4,046.44	1/4	3,757.57	1/4	3,463.09	1/4	3,108.81	1/4	2,748.50	1/4	2,388.18
1/2		1/2		1/2		1/2	4,573.50	1/2	4,311.56	1/2	4,040.60	1/2	3,751.44	1/2	3,456.96	1/2	3,101.31	1/2	2,740.99	1/2	2,380.67
3/4		3/4		3/4		3/4	4,567.45	3/4	4,306.11	3/4	4,034.76	3/4	3,745.30	3/4	3,450.83	3/4	3,093.80	3/4	2,733.48	3/4	2,373.17
10		10		10		10	4,561.41	10	4,300.66	10	4,028.92	10	3,739.17	10	3,444.70	10	3,086.30	10	2,725.97	10	2,365.66
1/4		1/4		1/4		1/4	4,555.36	1/4	4,295.17	1/4	4,023.05	1/4	3,733.03	1/4	3,437.53	1/4	3,078.79	1/4	2,718.47	1/4	2,358.16
1/2		1/2		1/2		1/2	4,549.32	1/2	4,289.69	1/2	4,017.18	1/2	3,726.90	1/2	3,430.37	1/2	3,071.29	1/2	2,710.96	1/2	2,350.65
3/4		3/4		3/4		3/4	4,543.27	3/4	4,284.20	3/4	4,011.32	3/4	3,720.76	3/4	3,423.21	3/4	3,063.78	3/4	2,703.45	3/4	2,343.14
11		11		11		11	4,537.23	11	4,278.72	11	4,005.45	11	3,714.63	11	3,416.05	11	3,056.27	11	2,695.95	11	2,335.64
1/4		1/4		1/4		1/4	4,531.18	1/4	4,273.20	1/4	3,999.55	1/4	3,708.49	1/4	3,408.55	1/4	3,048.77	1/4	2,688.44	1/4	2,328.13
1/2		1/2		1/2		1/2	4,525.14	1/2	4,267.68	1/2	3,993.64	1/2	3,702.35	1/2	3,401.04	1/2	3,041.26	1/2	2,680.93	1/2	2,320.62
3/4		3/4		3/4		3/4	4,519.09	3/4	4,262.17	3/4	3,987.74	3/4	3,696.22	3/4	3,393.54	3/4	3,033.75	3/4	2,673.43	3/4	2,313.12

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 12'-06" OFF CENTERLINE AND 39'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29066"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,305.61	0	1,944.95	0	1,586.84	0	1,226.61	0	866.26	0	518.76	0	158.39	0		0			
1/4	2,298.10	1/4	1,937.46	1/4	1,579.36	1/4	1,219.10	1/4	858.96	1/4	511.32	1/4	150.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,290.59	1/2	1,929.96	1/2	1,571.89	1/2	1,211.59	1/2	851.65	1/2	503.87	1/2	143.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,283.08	3/4	1,922.47	3/4	1,564.41	3/4	1,204.09	3/4	844.35	3/4	496.43	3/4	135.84	3/4	3/4	3/4	3/4	3/4	3/4
1	2,275.57	1	1,914.98	1	1,556.94	1	1,196.58	1	837.04	1	488.99	1	128.32	1		1			
1/4	2,268.06	1/4	1,907.51	1/4	1,549.44	1/4	1,189.07	1/4	829.81	1/4	481.48	1/4	120.79	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,260.55	1/2	1,900.05	1/2	1,541.94	1/2	1,181.56	1/2	822.57	1/2	473.97	1/2	113.27	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,253.04	3/4	1,892.58	3/4	1,534.44	3/4	1,174.05	3/4	815.34	3/4	466.46	3/4	105.74	3/4	3/4	3/4	3/4	3/4	3/4
2	2,245.53	2	1,885.12	2	1,526.94	2	1,166.54	2	808.10	2	458.95	2	98.22	2		2			
1/4	2,238.02	1/4	1,877.66	1/4	1,519.43	1/4	1,159.04	1/4	800.87	1/4	451.44	1/4	90.69	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,230.50	1/2	1,870.20	1/2	1,511.92	1/2	1,151.53	1/2	793.63	1/2	443.92	1/2	83.17	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,222.99	3/4	1,862.75	3/4	1,504.41	3/4	1,144.02	3/4	786.40	3/4	436.41	3/4	75.64	3/4	3/4	3/4	3/4	3/4	3/4
3	2,215.48	3	1,855.29	3	1,496.91	3	1,136.51	3	779.16	3	428.90	3	68.11	3		3			
1/4	2,207.96	1/4	1,847.83	1/4	1,489.40	1/4	1,129.00	1/4	771.93	1/4	421.39	1/4	61.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,200.45	1/2	1,840.38	1/2	1,481.89	1/2	1,121.50	1/2	764.69	1/2	413.88	1/2	54.47	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,192.93	3/4	1,832.92	3/4	1,474.38	3/4	1,113.99	3/4	757.46	3/4	406.37	3/4	47.65	3/4	3/4	3/4	3/4	3/4	3/4
4	2,185.42	4	1,825.46	4	1,466.87	4	1,106.48	4	750.22	4	398.86	4	40.83	4		4			
1/4	2,177.90	1/4	1,818.01	1/4	1,459.36	1/4	1,098.98	1/4	742.99	1/4	391.34	1/4	35.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,170.39	1/2	1,810.55	1/2	1,451.86	1/2	1,091.47	1/2	735.75	1/2	383.83	1/2	30.48	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,162.88	3/4	1,803.09	3/4	1,444.35	3/4	1,083.97	3/4	728.52	3/4	376.31	3/4	25.30	3/4	3/4	3/4	3/4	3/4	3/4
5	2,155.36	5	1,795.63	5	1,436.84	5	1,076.46	5	721.28	5	368.80	5	20.13	5		5			
1/4	2,147.85	1/4	1,788.18	1/4	1,429.33	1/4	1,068.95	1/4	714.05	1/4	361.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,140.33	1/2	1,780.72	1/2	1,421.82	1/2	1,061.45	1/2	706.81	1/2	353.77	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,132.82	3/4	1,773.26	3/4	1,414.31	3/4	1,053.94	3/4	699.58	3/4	346.26	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,125.30	6	1,765.81	6	1,406.81	6	1,046.43	6	692.34	6	338.74	6		6		6			
1/4	2,117.79	1/4	1,758.35	1/4	1,399.30	1/4	1,038.93	1/4	685.11	1/4	331.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,110.27	1/2	1,750.89	1/2	1,391.79	1/2	1,031.42	1/2	677.87	1/2	323.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,102.76	3/4	1,743.43	3/4	1,384.28	3/4	1,023.92	3/4	670.64	3/4	316.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,095.24	7	1,735.98	7	1,376.77	7	1,016.41	7	663.40	7	308.68	7		7		7			
1/4	2,087.73	1/4	1,728.52	1/4	1,369.27	1/4	1,008.90	1/4	656.17	1/4	301.17	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,080.21	1/2	1,721.06	1/2	1,361.76	1/2	1,001.40	1/2	648.93	1/2	293.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,072.70	3/4	1,713.61	3/4	1,354.25	3/4	993.89	3/4	641.70	3/4	286.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,065.18	8	1,706.15	8	1,346.74	8	986.39	8	634.46	8	278.62	8		8		8			
1/4	2,057.67	1/4	1,698.69	1/4	1,339.23	1/4	978.88	1/4	627.23	1/4	271.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,050.15	1/2	1,691.23	1/2	1,331.72	1/2	971.37	1/2	620.00	1/2	263.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,042.64	3/4	1,683.78	3/4	1,324.22	3/4	963.87	3/4	612.77	3/4	256.08	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,035.13	9	1,676.32	9	1,316.71	9	956.36	9	605.53	9	248.57	9		9		9			
1/4	2,027.61	1/4	1,668.86	1/4	1,309.20	1/4	948.85	1/4	598.30	1/4	241.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,020.10	1/2	1,661.41	1/2	1,301.69	1/2	941.35	1/2	591.07	1/2	233.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,012.58	3/4	1,653.95	3/4	1,294.18	3/4	933.84	3/4	583.84	3/4	226.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,005.07	10	1,646.49	10	1,286.68	10	926.34	10	576.61	10	218.51	10		10		10			
1/4	1,997.55	1/4	1,639.03	1/4	1,279.17	1/4	918.83	1/4	569.38	1/4	211.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,990.04	1/2	1,631.58	1/2	1,271.66	1/2	911.32	1/2	562.15	1/2	203.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,982.52	3/4	1,624.12	3/4	1,264.15	3/4	903.82	3/4	554.91	3/4	195.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,975.01	11	1,616.66	11	1,256.64	11	896.31	11	547.68	11	188.45	11		11		11			
1/4	1,967.49	1/4	1,609.21	1/4	1,249.13	1/4	888.80	1/4	540.45	1/4	180.94	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,959.98	1/2	1,601.75	1/2	1,241.63	1/2	881.29	1/2	533.22	1/2	173.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,952.46	3/4	1,594.29	3/4	1,234.12	3/4	873.77	3/4	525.99	3/4	165.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2017 SW
CALCULATED: 10/12/2017 CL
PRINTED: 10/13/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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



BARGE "KIRBY 29066"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	4,528.24	0	4,271.66	0	3,996.51	0	3,704.61	0	3,399.26	0	3,038.97	0	2,678.15
1/4		1/4		1/4		1/4	4,522.90	1/4	4,266.11	1/4	3,990.58	1/4	3,698.48	1/4	3,391.75	1/4	3,031.46	1/4	2,670.64
1/2		1/2		1/2		1/2	4,517.56	1/2	4,260.56	1/2	3,984.64	1/2	3,692.34	1/2	3,384.25	1/2	3,023.94	1/2	2,663.12
3/4		3/4		3/4		3/4	4,512.23	3/4	4,255.01	3/4	3,978.71	3/4	3,686.21	3/4	3,376.75	3/4	3,016.42	3/4	2,655.60
1		1		1		1	4,507.10	1	4,249.43	1	3,972.75	1	3,680.07	1	3,369.25	1	3,008.90	1	2,648.08
1/4		1/4		1/4		1/4	4,501.98	1/4	4,243.85	1/4	3,966.78	1/4	3,673.94	1/4	3,361.75	1/4	3,001.39	1/4	2,640.57
1/2		1/2		1/2		1/2	4,496.86	1/2	4,238.27	1/2	3,960.82	1/2	3,667.80	1/2	3,354.24	1/2	2,993.87	1/2	2,633.05
3/4		3/4		3/4		3/4	4,491.73	3/4	4,232.69	3/4	3,954.86	3/4	3,661.67	3/4	3,346.74	3/4	2,986.35	3/4	2,625.53
2		2		2		2	4,486.58	2	4,227.08	2	3,948.86	2	3,655.53	2	3,339.24	2	2,978.84	2	2,618.02
1/4		1/4		1/4		1/4	4,481.42	1/4	4,221.47	1/4	3,942.86	1/4	3,649.40	1/4	3,331.74	1/4	2,971.32	1/4	2,610.50
1/2		1/2		1/2		1/2	4,476.26	1/2	4,215.85	1/2	3,936.87	1/2	3,643.27	1/2	3,324.24	1/2	2,963.80	1/2	2,602.98
3/4		3/4		3/4		3/4	4,471.11	3/4	4,210.24	3/4	3,930.87	3/4	3,637.13	3/4	3,316.73	3/4	2,956.29	3/4	2,595.46
3		3		3		3	4,465.86	3	4,204.60	3	3,924.83	3	3,631.00	3	3,309.23	3	2,948.77	3	2,587.95
1/4		1/4		1/4		1/4	4,460.62	1/4	4,198.95	1/4	3,918.79	1/4	3,624.86	1/4	3,301.73	1/4	2,941.25	1/4	2,580.43
1/2		1/2		1/2		1/2	4,455.38	1/2	4,193.31	1/2	3,912.75	1/2	3,618.73	1/2	3,294.23	1/2	2,933.73	1/2	2,572.91
3/4		3/4		3/4		3/4	4,450.14	3/4	4,187.66	3/4	3,906.70	3/4	3,612.59	3/4	3,286.73	3/4	2,926.22	3/4	2,565.40
4		4		4		4	4,444.85	4	4,181.99	4	3,900.63	4	3,606.46	4	3,279.22	4	2,918.70	4	2,557.88
1/4		1/4		1/4		1/4	4,439.55	1/4	4,176.31	1/4	3,894.55	1/4	3,600.32	1/4	3,271.72	1/4	2,911.18	1/4	2,550.36
1/2		1/2		1/2		1/2	4,434.26	1/2	4,170.64	1/2	3,888.47	1/2	3,594.19	1/2	3,264.22	1/2	2,903.67	1/2	2,542.84
3/4		3/4		3/4		3/4	4,428.97	3/4	4,164.96	3/4	3,882.39	3/4	3,588.06	3/4	3,256.72	3/4	2,896.15	3/4	2,535.33
5		5		5		5	4,423.65	5	4,159.25	5	3,876.28	5	3,581.92	5	3,249.22	5	2,888.63	5	2,527.81
1/4		1/4		1/4		1/4	4,418.32	1/4	4,153.54	1/4	3,870.17	1/4	3,575.79	1/4	3,241.71	1/4	2,881.11	1/4	2,520.29
1/2		1/2		1/2		1/2	4,413.00	1/2	4,147.84	1/2	3,864.06	1/2	3,569.65	1/2	3,234.21	1/2	2,873.60	1/2	2,512.78
3/4		3/4		3/4		3/4	4,407.67	3/4	4,142.13	3/4	3,857.95	3/4	3,563.52	3/4	3,226.71	3/4	2,866.08	3/4	2,505.26
6		6		6		6	4,402.32	6	4,136.39	6	3,851.82	6	3,557.38	6	3,219.21	6	2,858.56	6	2,497.74
1/4		1/4		1/4		1/4	4,396.96	1/4	4,130.65	1/4	3,845.69	1/4	3,551.25	1/4	3,211.70	1/4	2,851.05	1/4	2,490.22
1/2		1/2		1/2		1/2	4,650.34	1/2	4,391.60	1/2	3,839.56	1/2	3,545.12	1/2	3,204.20	1/2	2,843.53	1/2	2,482.71
3/4		3/4		3/4		3/4	4,647.31	3/4	4,386.25	3/4	3,833.43	3/4	3,538.98	3/4	3,196.70	3/4	2,836.01	3/4	2,475.19
7		7		7		7	4,642.77	7	4,380.86	7	4,113.39	7	3,827.30	7	3,532.85	7	3,189.20	7	2,828.49
1/4		1/4		1/4		1/4	4,638.23	1/4	4,375.47	1/4	4,107.62	1/4	3,821.16	1/4	3,526.72	1/4	3,181.70	1/4	2,820.98
1/2		1/2		1/2		1/2	4,633.69	1/2	4,370.08	1/2	4,101.85	1/2	3,815.03	1/2	3,520.59	1/2	3,174.19	1/2	2,813.46
3/4		3/4		3/4		3/4	4,629.15	3/4	4,364.70	3/4	4,096.08	3/4	3,808.89	3/4	3,514.45	3/4	3,166.69	3/4	2,805.94
8		8		8		8	4,623.39	8	4,359.27	8	4,090.27	8	3,802.76	8	3,508.32	8	3,159.19	8	2,798.43
1/4		1/4		1/4		1/4	4,617.63	1/4	4,353.85	1/4	4,084.47	1/4	3,796.63	1/4	3,502.19	1/4	3,151.69	1/4	2,790.91
1/2		1/2		1/2		1/2	4,611.86	1/2	4,348.43	1/2	4,078.66	1/2	3,790.49	1/2	3,496.06	1/2	3,144.19	1/2	2,783.39
3/4		3/4		3/4		3/4	4,606.10	3/4	4,343.01	3/4	4,072.86	3/4	3,784.36	3/4	3,489.93	3/4	3,136.68	3/4	2,775.87
9		9		9		9	4,600.06	9	4,337.56	9	4,067.02	9	3,778.22	9	3,483.80	9	3,129.17	9	2,768.36
1/4		1/4		1/4		1/4	4,594.01	1/4	4,332.11	1/4	4,061.19	1/4	3,772.09	1/4	3,477.67	1/4	3,121.66	1/4	2,760.84
1/2		1/2		1/2		1/2	4,587.97	1/2	4,326.66	1/2	4,055.35	1/2	3,765.95	1/2	3,471.54	1/2	3,114.14	1/2	2,753.32
3/4		3/4		3/4		3/4	4,581.93	3/4	4,321.21	3/4	4,049.52	3/4	3,759.82	3/4	3,465.41	3/4	3,106.63	3/4	2,745.81
10		10		10		10	4,575.88	10	4,315.72	10	4,043.65	10	3,753.68	10	3,458.25	10	3,099.11	10	2,738.29
1/4		1/4		1/4		1/4	4,569.84	1/4	4,310.24	1/4	4,037.78	1/4	3,747.55	1/4	3,451.09	1/4	3,091.59	1/4	2,730.77
1/2		1/2		1/2		1/2	4,563.79	1/2	4,304.75	1/2	4,031.91	1/2	3,741.42	1/2	3,443.93	1/2	3,084.08	1/2	2,723.25
3/4		3/4		3/4		3/4	4,557.75	3/4	4,299.27	3/4	4,026.04	3/4	3,735.28	3/4	3,436.77	3/4	3,076.56	3/4	2,715.74
11		11		11		11	4,551.70	11	4,293.75	11	4,020.14	11	3,729.15	11	3,429.27	11	3,069.04	11	2,708.22
1/4		1/4		1/4		1/4	4,545.66	1/4	4,288.24	1/4	4,014.24	1/4	3,723.01	1/4	3,421.76	1/4	3,061.52	1/4	2,700.70
1/2		1/2		1/2		1/2	4,539.62	1/2	4,282.72	1/2	4,008.34	1/2	3,716.88	1/2	3,414.26	1/2	3,054.01	1/2	2,693.19
3/4		3/4		3/4		3/4	4,533.57	3/4	4,277.20	3/4	4,002.44	3/4	3,710.74	3/4	3,406.76	3/4	3,046.49	3/4	2,685.67

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 12'-06" OFF CENTERLINE AND 39'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29066"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-04 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	2,317.29	0	1,956.13	0	1,594.98	0	1,234.13	0	873.06	0	511.95	0	150.85	0		0			
1/4	2,309.77	1/4	1,948.61	1/4	1,587.46	1/4	1,226.62	1/4	865.53	1/4	504.43	1/4	143.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,302.24	1/2	1,941.09	1/2	1,579.94	1/2	1,219.10	1/2	858.01	1/2	496.91	1/2	135.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,294.72	3/4	1,933.56	3/4	1,572.43	3/4	1,211.58	3/4	850.48	3/4	489.39	3/4	128.28	3/4	3/4	3/4	3/4	3/4	3/4
1	2,287.19	1	1,926.04	1	1,564.91	1	1,204.06	1	842.96	1	481.87	1	120.76	1	1	1	1	1	1
1/4	2,279.67	1/4	1,918.51	1/4	1,557.39	1/4	1,196.55	1/4	835.43	1/4	474.35	1/4	113.23	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,272.15	1/2	1,910.99	1/2	1,549.87	1/2	1,189.03	1/2	827.91	1/2	466.83	1/2	105.71	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,264.62	3/4	1,903.47	3/4	1,542.36	3/4	1,181.51	3/4	820.39	3/4	459.31	3/4	98.18	3/4	3/4	3/4	3/4	3/4	3/4
2	2,257.10	2	1,895.94	2	1,534.84	2	1,173.99	2	812.86	2	451.79	2	90.66	2	2	2	2	2	2
1/4	2,249.57	1/4	1,888.42	1/4	1,527.32	1/4	1,166.48	1/4	805.34	1/4	444.27	1/4	83.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,242.05	1/2	1,880.89	1/2	1,519.80	1/2	1,158.96	1/2	797.81	1/2	436.75	1/2	75.61	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,234.53	3/4	1,873.37	3/4	1,512.29	3/4	1,151.44	3/4	790.29	3/4	429.23	3/4	68.09	3/4	3/4	3/4	3/4	3/4	3/4
3	2,227.00	3	1,865.84	3	1,504.77	3	1,143.92	3	782.77	3	421.71	3	61.27	3	3	3	3	3	3
1/4	2,219.48	1/4	1,858.32	1/4	1,497.25	1/4	1,136.40	1/4	775.24	1/4	414.18	1/4	54.45	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,211.95	1/2	1,850.80	1/2	1,489.73	1/2	1,128.87	1/2	767.72	1/2	406.66	1/2	47.63	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,204.43	3/4	1,843.27	3/4	1,482.21	3/4	1,121.35	3/4	760.19	3/4	399.14	3/4	40.81	3/4	3/4	3/4	3/4	3/4	3/4
4	2,196.91	4	1,835.75	4	1,474.70	4	1,113.83	4	752.67	4	391.62	4	35.64	4	4	4	4	4	4
1/4	2,189.38	1/4	1,828.22	1/4	1,467.18	1/4	1,106.30	1/4	745.15	1/4	384.10	1/4	30.47	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,181.86	1/2	1,820.70	1/2	1,459.66	1/2	1,098.78	1/2	737.62	1/2	376.57	1/2	25.29	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,174.33	3/4	1,813.18	3/4	1,452.14	3/4	1,091.25	3/4	730.10	3/4	369.05	3/4	20.12	3/4	3/4	3/4	3/4	3/4	3/4
5	2,166.81	5	1,805.65	5	1,444.63	5	1,083.73	5	722.57	5	361.53	5		5	5	5	5	5	5
1/4	2,159.28	1/4	1,798.13	1/4	1,437.11	1/4	1,076.21	1/4	715.05	1/4	354.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,151.76	1/2	1,790.60	1/2	1,429.59	1/2	1,068.68	1/2	707.53	1/2	346.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,144.24	3/4	1,783.08	3/4	1,422.07	3/4	1,061.16	3/4	700.00	3/4	338.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	2,136.71	6	1,775.56	6	1,414.56	6	1,053.63	6	692.48	6	331.43	6		6	6	6	6	6	6
1/4	2,129.19	1/4	1,768.03	1/4	1,407.04	1/4	1,046.11	1/4	684.95	1/4	323.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,121.66	1/2	1,760.51	1/2	1,399.52	1/2	1,038.59	1/2	677.43	1/2	316.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,114.14	3/4	1,752.98	3/4	1,392.00	3/4	1,031.06	3/4	669.90	3/4	308.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	2,106.62	7	1,745.46	7	1,384.49	7	1,023.54	7	662.38	7	301.33	7		7	7	7	7	7	7
1/4	2,099.09	1/4	1,737.94	1/4	1,376.97	1/4	1,016.01	1/4	654.86	1/4	293.81	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,091.57	1/2	1,730.41	1/2	1,369.45	1/2	1,008.49	1/2	647.33	1/2	286.29	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,084.04	3/4	1,722.89	3/4	1,361.93	3/4	1,000.97	3/4	639.81	3/4	278.76	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,076.52	8	1,715.36	8	1,354.42	8	993.44	8	632.29	8	271.24	8		8	8	8	8	8	8
1/4	2,069.00	1/4	1,707.84	1/4	1,346.90	1/4	985.92	1/4	624.77	1/4	263.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,061.47	1/2	1,700.31	1/2	1,339.38	1/2	978.39	1/2	617.24	1/2	256.19	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,053.95	3/4	1,692.79	3/4	1,331.86	3/4	970.87	3/4	609.72	3/4	248.67	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,046.42	9	1,685.27	9	1,324.35	9	963.34	9	602.20	9	241.14	9		9	9	9	9	9	9
1/4	2,038.90	1/4	1,677.74	1/4	1,316.83	1/4	955.82	1/4	594.68	1/4	233.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,031.38	1/2	1,670.22	1/2	1,309.31	1/2	948.30	1/2	587.16	1/2	226.09	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,023.85	3/4	1,662.69	3/4	1,301.79	3/4	940.77	3/4	579.64	3/4	218.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,016.33	10	1,655.17	10	1,294.27	10	933.25	10	572.12	10	211.04	10		10	10	10	10	10	10
1/4	2,008.80	1/4	1,647.65	1/4	1,286.76	1/4	925.72	1/4	564.60	1/4	203.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,001.28	1/2	1,640.12	1/2	1,279.24	1/2	918.20	1/2	557.08	1/2	196.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,993.75	3/4	1,632.60	3/4	1,271.72	3/4	910.68	3/4	549.56	3/4	188.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,986.23	11	1,625.07	11	1,264.20	11	903.15	11	542.04	11	180.95	11		11	11	11	11	11	11
1/4	1,978.71	1/4	1,617.55	1/4	1,256.69	1/4	895.63	1/4	534.52	1/4	173.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,971.18	1/2	1,610.03	1/2	1,249.17	1/2	888.10	1/2	526.99	1/2	165.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,963.66	3/4	1,602.50	3/4	1,241.65	3/4	880.58	3/4	519.47	3/4	158.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/12/2017 SW
CALCULATED: 10/12/2017 CL
PRINTED: 10/13/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

PRECISION MEASUREMENT
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