



BARGE "KIRBY 29130" ULLAGE TRIM TABLE

1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.
1 PORT 00-1/4 - 00-1/4	1 PORT 00-5/8 - 00-5/8	1 PORT 00-7/8 - 00-7/8	1 PORT 01-1/4 - 01-1/4	1 PORT 01-1/2 - 01-1/2	1 PORT 01-7/8 - 01-7/8
1 STBD 00-1/4 - 00-1/4	1 STBD 00-5/8 - 00-5/8	1 STBD 00-7/8 - 00-7/8	1 STBD 01-1/4 - 01-1/4	1 STBD 01-1/2 - 01-1/2	1 STBD 01-7/8 - 01-7/8
2 PORT 00-3/8 - 00-3/8	2 PORT 00-3/4 - 00-3/4	2 PORT 01-1/4 - 01-1/4	2 PORT 01-5/8 - 01-5/8	2 PORT 02-0/8 - 02-0/8	2 PORT 02-3/8 - 02-3/8
2 STBD 00-3/8 - 00-3/8	2 STBD 00-3/4 - 00-3/4	2 STBD 01-1/4 - 01-1/4	2 STBD 01-5/8 - 01-5/8	2 STBD 02-0/8 - 02-0/8	2 STBD 02-3/8 - 02-3/8
3 PORT 00-3/8 - 00-3/8	3 PORT 00-3/4 - 00-3/4	3 PORT 01-1/8 - 01-1/8	3 PORT 01-1/8 - 01-1/8	3 PORT 01-1/2 - 01-1/2	3 PORT 01-7/8 - 01-7/8
3 STBD 00-3/8 - 00-3/8	3 STBD 00-3/4 - 00-3/4	3 STBD 01-1/8 - 01-1/8	3 STBD 01-1/8 - 01-1/8	3 STBD 01-1/2 - 01-1/2	3 STBD 01-7/8 - 01-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{aligned}
 \text{FWD. DRAFT} &= 2\text{'-}00\text{''} \\
 \text{AFT DRAFT} &= \frac{4\text{'-}00\text{'}}{2} \\
 \text{DIFF.} &= \frac{2\text{'-}00\text{'}}{2} \text{ (DOWN BY STERN)}
 \end{aligned}$$

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-3/8"
 FOR A MEASURED ULLAGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

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

January 28, 2015

LENGTH BETWEEN DRAFT MARKS: 261'-00"

<http://www.pmacorp.net>



BARGE "KIRBY 29130"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,955.37	0	4,623.02	0	4,284.06	0	3,928.60	0	3,557.19	0	3,180.96	0	2,803.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,950.00	1/4	4,616.14	1/4	4,276.82	1/4	3,921.02	1/4	3,549.35	1/4	3,173.09	1/4	2,795.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,944.62	1/2	4,609.25	1/2	4,269.58	1/2	3,913.44	1/2	3,541.52	1/2	3,165.22	1/2	2,787.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,937.95	3/4	4,602.33	3/4	4,262.32	3/4	3,905.83	3/4	3,533.68	3/4	3,157.35	3/4	2,779.57
1		1		1		1	4,931.27	1	4,595.41	1	4,255.06	1	3,898.22	1	3,525.84	1	3,149.48	1	2,771.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,924.60	1/4	4,588.50	1/4	4,247.80	1/4	3,890.61	1/4	3,518.01	1/4	3,141.61	1/4	2,763.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,917.93	1/2	4,581.58	1/2	4,240.54	1/2	3,883.00	1/2	3,510.17	1/2	3,133.74	1/2	2,755.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,910.32	3/4	4,574.64	3/4	4,233.25	3/4	3,875.37	3/4	3,502.34	3/4	3,125.87	3/4	2,748.08
2		2		2		2	4,902.71	2	4,567.69	2	4,225.96	2	3,867.74	2	3,494.50	2	3,118.00	2	2,740.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,895.11	1/4	4,560.74	1/4	4,218.67	1/4	3,860.10	1/4	3,486.67	1/4	3,110.13	1/4	2,732.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,887.50	1/2	4,553.80	1/2	4,211.38	1/2	3,852.47	1/2	3,478.83	1/2	3,102.26	1/2	2,724.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,879.67	3/4	4,546.82	3/4	4,204.06	3/4	3,844.81	3/4	3,470.99	3/4	3,094.39	3/4	2,716.60
3		3		3		3	4,871.83	3	4,539.85	3	4,196.75	3	3,837.15	3	3,463.16	3	3,086.51	3	2,708.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,864.00	1/4	4,532.87	1/4	4,189.43	1/4	3,829.48	1/4	3,455.32	1/4	3,078.64	1/4	2,700.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,856.16	1/2	4,525.90	1/2	4,182.11	1/2	3,821.82	1/2	3,447.49	1/2	3,070.77	1/2	2,692.99
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,848.76	3/4	4,518.90	3/4	4,174.76	3/4	3,814.13	3/4	3,439.65	3/4	3,062.90	3/4	2,685.12
4		4		4		4	4,841.35	4	4,511.89	4	4,167.42	4	3,806.44	4	3,431.82	4	3,055.03	4	2,677.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,833.95	1/4	4,504.89	1/4	4,160.07	1/4	3,798.75	1/4	3,423.98	1/4	3,047.16	1/4	2,669.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,826.55	1/2	4,497.88	1/2	4,152.72	1/2	3,791.06	1/2	3,416.15	1/2	3,039.29	1/2	2,661.51
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,819.86	3/4	4,490.85	3/4	4,145.35	3/4	3,783.34	3/4	3,408.31	3/4	3,031.42	3/4	2,653.64
5		5		5		5	4,813.17	5	4,483.82	5	4,137.97	5	3,775.62	5	3,400.47	5	3,023.55	5	2,645.77
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,806.48	1/4	4,476.79	1/4	4,130.59	1/4	3,767.90	1/4	3,392.64	1/4	3,015.68	1/4	2,637.90
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,799.79	1/2	4,469.75	1/2	4,123.22	1/2	3,760.18	1/2	3,384.80	1/2	3,007.81	1/2	2,630.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,793.07	3/4	4,462.69	3/4	4,115.81	3/4	3,752.43	3/4	3,376.97	3/4	2,999.94	3/4	2,622.16
6		6		6		6	4,786.36	6	4,455.63	6	4,108.41	6	3,744.68	6	3,369.13	6	2,992.07	6	2,614.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,779.64	1/4	4,448.57	1/4	4,101.00	1/4	3,736.94	1/4	3,361.30	1/4	2,984.20	1/4	2,606.41
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,772.92	1/2	4,441.51	1/2	4,093.60	1/2	3,729.19	1/2	3,353.46	1/2	2,976.33	1/2	2,598.54
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,766.17	3/4	4,434.42	3/4	4,086.16	3/4	3,721.41	3/4	3,345.63	3/4	2,968.46	3/4	2,590.67
7		7		7		7	4,759.42	7	4,427.33	7	4,078.73	7	3,713.63	7	3,337.79	7	2,960.59	7	2,582.80
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,752.68	1/4	4,420.24	1/4	4,071.30	1/4	3,705.86	1/4	3,329.95	1/4	2,952.72	1/4	2,574.93
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,745.93	1/2	4,413.15	1/2	4,063.86	1/2	3,698.08	1/2	3,322.12	1/2	2,944.85	1/2	2,567.06
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,739.15	3/4	4,406.03	3/4	4,056.40	3/4	3,690.27	3/4	3,314.28	3/4	2,936.98	3/4	2,559.19
8		8		8		8	4,732.37	8	4,398.91	8	4,048.94	8	3,682.47	8	3,306.45	8	2,929.10	8	2,551.32
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,725.60	1/4	4,391.79	1/4	4,041.47	1/4	3,674.66	1/4	3,298.61	1/4	2,921.23	1/4	2,543.45
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,718.82	1/2	4,384.67	1/2	4,034.01	1/2	3,666.85	1/2	3,290.78	1/2	2,913.36	1/2	2,535.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,712.02	3/4	4,377.52	3/4	4,026.52	3/4	3,659.03	3/4	3,282.94	3/4	2,905.49	3/4	2,527.71
9		9		9		9	4,705.21	9	4,370.37	9	4,019.03	9	3,651.20	9	3,275.10	9	2,897.62	9	2,519.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,698.40	1/4	4,363.22	1/4	4,011.53	1/4	3,643.37	1/4	3,267.27	1/4	2,889.75	1/4	2,511.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,691.60	1/2	4,356.07	1/2	4,004.04	1/2	3,635.54	1/2	3,259.43	1/2	2,881.88	1/2	2,504.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,684.76	3/4	4,348.89	3/4	3,996.52	3/4	3,627.71	3/4	3,251.60	3/4	2,874.01	3/4	2,496.23
10		10		10		10	4,677.93	10	4,341.71	10	3,989.00	10	3,619.87	10	3,243.76	10	2,866.14	10	2,488.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,671.09	1/4	4,334.54	1/4	3,981.48	1/4	3,612.04	1/4	3,235.93	1/4	2,858.27	1/4	2,480.49
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,664.26	1/2	4,327.36	1/2	3,973.96	1/2	3,604.20	1/2	3,228.09	1/2	2,850.40	1/2	2,472.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,657.40	3/4	4,320.15	3/4	3,966.41	3/4	3,596.36	3/4	3,220.24	3/4	2,842.53	3/4	2,464.75
11		11		11		11	4,650.53	11	4,312.94	11	3,958.86	11	3,588.53	11	3,212.40	11	2,834.66	11	2,456.87
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,643.67	1/4	4,305.74	1/4	3,951.31	1/4	3,580.69	1/4	3,204.55	1/4	2,826.79	1/4	2,449.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,636.80	1/2	4,298.53	1/2	3,943.75	1/2	3,572.86	1/2	3,196.70	1/2	2,818.92	1/2	2,441.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,629.91	3/4	4,291.29	3/4	3,936.18	3/4	3,565.02	3/4	3,188.83	3/4	2,811.05	3/4	2,433.26

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'-09" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "KIRBY 29130"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,425.39	0	2,047.61	0	1,669.82	0	1,293.38	0	916.42	0	538.67	0	189.33	0		0			
1/4	2,417.52	1/4	2,039.74	1/4	1,661.95	1/4	1,285.56	1/4	908.55	1/4	530.81	1/4	182.71	1/4		1/4			
1/2	2,409.65	1/2	2,031.87	1/2	1,654.08	1/2	1,277.74	1/2	900.68	1/2	522.95	1/2	176.08	1/2		1/2			
3/4	2,401.78	3/4	2,024.00	3/4	1,646.21	3/4	1,269.92	3/4	892.81	3/4	515.14	3/4	169.57	3/4		3/4			
1	2,393.91	1	2,016.13	1	1,638.34	1	1,262.10	1	884.94	1	507.33	1	163.05	1		1			
1 1/4	2,386.04	1 1/4	2,008.26	1 1/4	1,630.47	1 1/4	1,254.28	1 1/4	877.07	1 1/4	499.51	1 1/4	156.54	1 1/4		1 1/4			
1 1/2	2,378.17	1 1/2	2,000.39	1 1/2	1,622.60	1 1/2	1,246.46	1 1/2	869.20	1 1/2	491.70	1 1/2	150.02	1 1/2		1 1/2			
3/4	2,370.30	3/4	1,992.52	3/4	1,614.73	3/4	1,238.63	3/4	861.33	3/4	483.98	3/4	143.62	3/4		3/4			
2	2,362.43	2	1,984.64	2	1,606.86	2	1,230.81	2	853.46	2	476.26	2	137.22	2		2			
1 1/4	2,354.56	1 1/4	1,976.77	1 1/4	1,598.99	1 1/4	1,222.99	1 1/4	845.59	1 1/4	468.54	1 1/4	130.83	1 1/4		1 1/4			
1 1/2	2,346.69	1 1/2	1,968.90	1 1/2	1,591.12	1 1/2	1,215.17	1 1/2	837.72	1 1/2	460.82	1 1/2	124.43	1 1/2		1 1/2			
3/4	2,338.82	3/4	1,961.03	3/4	1,583.25	3/4	1,207.36	3/4	829.85	3/4	453.21	3/4	118.15	3/4		3/4			
3	2,330.95	3	1,953.16	3	1,575.38	3	1,199.53	3	821.98	3	445.60	3	111.87	3		3			
1 1/4	2,323.08	1 1/4	1,945.29	1 1/4	1,567.51	1 1/4	1,191.71	1 1/4	814.11	1 1/4	437.99	1 1/4	105.59	1 1/4		1 1/4			
1 1/2	2,315.21	1 1/2	1,937.42	1 1/2	1,559.64	1 1/2	1,183.89	1 1/2	806.24	1 1/2	430.38	1 1/2	99.32	1 1/2		1 1/2			
3/4	2,307.34	3/4	1,929.55	3/4	1,551.78	3/4	1,176.05	3/4	798.37	3/4	422.88	3/4	93.17	3/4		3/4			
4	2,299.46	4	1,921.68	4	1,543.92	4	1,168.21	4	790.50	4	415.38	4	87.02	4		4			
1 1/4	2,291.59	1 1/4	1,913.81	1 1/4	1,536.06	1 1/4	1,160.37	1 1/4	782.63	1 1/4	407.88	1 1/4	80.87	1 1/4		1 1/4			
1 1/2	2,283.72	1 1/2	1,905.94	1 1/2	1,528.20	1 1/2	1,152.53	1 1/2	774.76	1 1/2	400.37	1 1/2	74.72	1 1/2		1 1/2			
3/4	2,275.85	3/4	1,898.07	3/4	1,520.36	3/4	1,144.66	3/4	766.89	3/4	392.98	3/4	68.71	3/4		3/4			
5	2,267.98	5	1,890.20	5	1,512.52	5	1,136.79	5	759.02	5	385.59	5	62.70	5		5			
1 1/4	2,260.11	1 1/4	1,882.33	1 1/4	1,504.68	1 1/4	1,128.92	1 1/4	751.15	1 1/4	378.20	1 1/4	56.70	1 1/4		1 1/4			
1 1/2	2,252.24	1 1/2	1,874.46	1 1/2	1,496.84	1 1/2	1,121.05	1 1/2	743.28	1 1/2	370.81	1 1/2	50.69	1 1/2		1 1/2			
3/4	2,244.37	3/4	1,866.59	3/4	1,489.00	3/4	1,113.18	3/4	735.41	3/4	363.52	3/4	45.27	3/4		3/4			
6	2,236.50	6	1,858.72	6	1,481.16	6	1,105.31	6	727.54	6	356.24	6	39.86	6		6			
1 1/4	2,228.63	1 1/4	1,850.85	1 1/4	1,473.33	1 1/4	1,097.44	1 1/4	719.67	1 1/4	348.96	1 1/4	34.45	1 1/4		1 1/4			
1 1/2	2,220.76	1 1/2	1,842.98	1 1/2	1,465.49	1 1/2	1,089.57	1 1/2	711.80	1 1/2	341.68	1 1/2	29.03	1 1/2		1 1/2			
3/4	2,212.89	3/4	1,835.11	3/4	1,457.66	3/4	1,081.70	3/4	703.93	3/4	334.50	3/4	25.07	3/4		3/4			
7	2,205.02	7	1,827.23	7	1,449.83	7	1,073.83	7	696.05	7	327.33	7	21.11	7		7			
1 1/4	2,197.15	1 1/4	1,819.36	1 1/4	1,442.01	1 1/4	1,065.96	1 1/4	688.18	1 1/4	320.16	1 1/4	17.14	1 1/4		1 1/4			
1 1/2	2,189.28	1 1/2	1,811.49	1 1/2	1,434.18	1 1/2	1,058.09	1 1/2	680.31	1 1/2	312.98	1 1/2	13.18	1 1/2		1 1/2			
3/4	2,181.41	3/4	1,803.62	3/4	1,426.35	3/4	1,050.22	3/4	672.44	3/4	305.92	3/4		3/4		3/4			
8	2,173.54	8	1,795.75	8	1,418.53	8	1,042.35	8	664.57	8	298.86	8		8		8			
1 1/4	2,165.67	1 1/4	1,787.88	1 1/4	1,410.70	1 1/4	1,034.48	1 1/4	656.70	1 1/4	291.79	1 1/4		1 1/4		1 1/4			
1 1/2	2,157.80	1 1/2	1,780.01	1 1/2	1,402.88	1 1/2	1,026.61	1 1/2	648.83	1 1/2	284.73	1 1/2		1 1/2		1 1/2			
3/4	2,149.93	3/4	1,772.14	3/4	1,395.06	3/4	1,018.74	3/4	640.96	3/4	277.77	3/4		3/4		3/4			
9	2,142.05	9	1,764.27	9	1,387.24	9	1,010.87	9	633.09	9	270.82	9		9		9			
1 1/4	2,134.18	1 1/4	1,756.40	1 1/4	1,379.41	1 1/4	1,003.00	1 1/4	625.22	1 1/4	263.87	1 1/4		1 1/4		1 1/4			
1 1/2	2,126.31	1 1/2	1,748.53	1 1/2	1,371.59	1 1/2	995.13	1 1/2	617.35	1 1/2	256.91	1 1/2		1 1/2		1 1/2			
3/4	2,118.44	3/4	1,740.66	3/4	1,363.77	3/4	987.26	3/4	609.48	3/4	250.07	3/4		3/4		3/4			
10	2,110.57	10	1,732.79	10	1,355.95	10	979.39	10	601.61	10	243.22	10		10		10			
1 1/4	2,102.70	1 1/4	1,724.92	1 1/4	1,348.13	1 1/4	971.52	1 1/4	593.74	1 1/4	236.38	1 1/4		1 1/4		1 1/4			
1 1/2	2,094.83	1 1/2	1,717.05	1 1/2	1,340.31	1 1/2	963.65	1 1/2	585.87	1 1/2	229.53	1 1/2		1 1/2		1 1/2			
3/4	2,086.96	3/4	1,709.18	3/4	1,332.49	3/4	955.77	3/4	578.00	3/4	222.79	3/4		3/4		3/4			
11	2,079.09	11	1,701.31	11	1,324.67	11	947.90	11	570.13	11	216.06	11		11		11			
1 1/4	2,071.22	1 1/4	1,693.44	1 1/4	1,316.85	1 1/4	940.03	1 1/4	562.26	1 1/4	209.32	1 1/4		1 1/4		1 1/4			
1 1/2	2,063.35	1 1/2	1,685.57	1 1/2	1,309.02	1 1/2	932.16	1 1/2	554.39	1 1/2	202.59	1 1/2		1 1/2		1 1/2			
3/4	2,055.48	3/4	1,677.70	3/4	1,301.20	3/4	924.29	3/4	546.53	3/4	195.96	3/4		3/4		3/4			

STRAPPED: 01/27/2015 CL
CALCULATED: 01/28/2015 CL
PRINTED: 01/28/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "KIRBY 29130"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	4,630.63	0	4,292.09	0	3,937.05	0	3,565.98	0	3,189.85	0	2,812.16		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,956.01	1/4	4,623.74	1/4	4,284.85	1/4	3,929.47	1/4	3,558.15	1/4	3,181.98	1/4	2,804.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,950.64	1/2	4,616.86	1/2	4,277.62	1/2	3,921.90	1/2	3,550.31	1/2	3,174.12	1/2	2,796.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,945.26	3/4	4,609.97	3/4	4,270.38	3/4	3,914.32	3/4	3,542.48	3/4	3,166.25	3/4	2,788.55
1		1		1		1		1	4,938.59	1	4,603.05	1	4,263.12	1	3,906.71	1	3,534.65	1	3,158.38	1	2,780.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,931.92	1/4	4,596.14	1/4	4,255.86	1/4	3,899.10	1/4	3,526.81	1/4	3,150.51	1/4	2,772.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,925.25	1/2	4,589.22	1/2	4,248.60	1/2	3,891.50	1/2	3,518.98	1/2	3,142.64	1/2	2,764.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,918.58	3/4	4,582.31	3/4	4,241.34	3/4	3,883.89	3/4	3,511.14	3/4	3,134.77	3/4	2,757.08
2		2		2		2		2	4,910.97	2	4,575.36	2	4,234.06	2	3,876.26	2	3,503.31	2	3,126.90	2	2,749.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,903.37	1/4	4,568.42	1/4	4,226.77	1/4	3,868.63	1/4	3,495.48	1/4	3,119.03	1/4	2,741.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,895.76	1/2	4,561.48	1/2	4,219.48	1/2	3,860.99	1/2	3,487.64	1/2	3,111.17	1/2	2,733.47
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,888.16	3/4	4,554.53	3/4	4,212.20	3/4	3,853.36	3/4	3,479.81	3/4	3,103.30	3/4	2,725.60
3		3		3		3		3	4,880.33	3	4,547.56	3	4,204.88	3	3,845.70	3	3,471.98	3	3,095.43	3	2,717.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,872.49	1/4	4,540.58	1/4	4,197.56	1/4	3,838.04	1/4	3,464.14	1/4	3,087.56	1/4	2,709.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,864.66	1/2	4,533.61	1/2	4,190.24	1/2	3,830.38	1/2	3,456.31	1/2	3,079.69	1/2	2,702.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,856.82	3/4	4,526.64	3/4	4,182.93	3/4	3,822.72	3/4	3,448.47	3/4	3,071.82	3/4	2,694.13
4		4		4		4		4	4,849.42	4	4,519.64	4	4,175.58	4	3,815.04	4	3,440.64	4	3,063.95	4	2,686.26
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,842.02	1/4	4,512.63	1/4	4,168.24	1/4	3,807.35	1/4	3,432.81	1/4	3,056.09	1/4	2,678.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,834.62	1/2	4,505.63	1/2	4,160.89	1/2	3,799.66	1/2	3,424.97	1/2	3,048.22	1/2	2,670.52
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,827.22	3/4	4,498.63	3/4	4,153.55	3/4	3,791.97	3/4	3,417.14	3/4	3,040.35	3/4	2,662.66
5		5		5		5		5	4,820.53	5	4,491.60	5	4,146.17	5	3,784.25	5	3,409.31	5	3,032.48	5	2,654.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,813.85	1/4	4,484.57	1/4	4,138.80	1/4	3,776.53	1/4	3,401.47	1/4	3,024.61	1/4	2,646.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,807.16	1/2	4,477.54	1/2	4,131.42	1/2	3,768.82	1/2	3,393.64	1/2	3,016.74	1/2	2,639.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,800.47	3/4	4,470.51	3/4	4,124.05	3/4	3,761.10	3/4	3,385.80	3/4	3,008.87	3/4	2,631.18
6		6		6		6		6	4,793.75	6	4,463.45	6	4,116.65	6	3,753.35	6	3,377.97	6	3,001.01	6	2,623.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,787.04	1/4	4,456.39	1/4	4,109.24	1/4	3,745.60	1/4	3,370.14	1/4	2,993.14	1/4	2,615.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,780.32	1/2	4,449.33	1/2	4,101.84	1/2	3,737.86	1/2	3,362.30	1/2	2,985.27	1/2	2,607.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,773.60	3/4	4,442.27	3/4	4,094.44	3/4	3,730.11	3/4	3,354.47	3/4	2,977.40	3/4	2,599.71
7		7		7		7		7	4,766.86	7	4,435.18	7	4,087.00	7	3,722.33	7	3,346.64	7	2,969.53	7	2,591.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,760.11	1/4	4,428.09	1/4	4,079.57	1/4	3,714.56	1/4	3,338.80	1/4	2,961.66	1/4	2,583.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,753.36	1/2	4,421.00	1/2	4,072.14	1/2	3,706.78	1/2	3,330.97	1/2	2,953.79	1/2	2,576.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,746.62	3/4	4,413.91	3/4	4,064.71	3/4	3,699.01	3/4	3,323.13	3/4	2,945.93	3/4	2,568.23
8		8		8		8		8	4,739.84	8	4,406.79	8	4,057.25	8	3,691.20	8	3,315.30	8	2,938.06	8	2,560.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,733.07	1/4	4,399.67	1/4	4,049.79	1/4	3,683.40	1/4	3,307.47	1/4	2,930.19	1/4	2,552.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,726.29	1/2	4,392.56	1/2	4,042.32	1/2	3,675.59	1/2	3,299.63	1/2	2,922.32	1/2	2,544.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,719.52	3/4	4,385.44	3/4	4,034.86	3/4	3,667.79	3/4	3,291.80	3/4	2,914.45	3/4	2,536.76
9		9		9		9		9	4,712.71	9	4,378.29	9	4,027.37	9	3,659.96	9	3,283.96	9	2,906.58	9	2,528.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,705.91	1/4	4,371.14	1/4	4,019.88	1/4	3,652.14	1/4	3,276.13	1/4	2,898.71	1/4	2,521.02
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,699.10	1/2	4,364.00	1/2	4,012.39	1/2	3,644.31	1/2	3,268.30	1/2	2,890.85	1/2	2,513.15
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,692.30	3/4	4,356.85	3/4	4,004.90	3/4	3,636.49	3/4	3,260.46	3/4	2,882.98	3/4	2,505.28
10		10		10		10		10	4,685.47	10	4,349.67	10	3,997.38	10	3,628.65	10	3,252.63	10	2,875.11	10	2,497.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,678.63	1/4	4,342.50	1/4	3,989.86	1/4	3,620.82	1/4	3,244.80	1/4	2,867.24	1/4	2,489.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,671.80	1/2	4,335.32	1/2	3,982.34	1/2	3,612.98	1/2	3,236.96	1/2	2,859.37	1/2	2,481.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,664.97	3/4	4,328.14	3/4	3,974.82	3/4	3,605.15	3/4	3,229.13	3/4	2,851.50	3/4	2,473.81
11		11		11		11		11	4,658.11	11	4,320.94	11	3,967.28	11	3,597.32	11	3,221.28	11	2,843.63	11	2,465.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,651.24	1/4	4,313.73	1/4	3,959.73	1/4	3,589.48	1/4	3,213.42	1/4	2,835.77	1/4	2,458.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,644.38	1/2	4,306.53	1/2	3,952.18	1/2	3,581.65	1/2	3,205.57	1/2	2,827.90	1/2	2,450.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,637.52	3/4	4,299.32	3/4	3,944.63	3/4	3,573.82	3/4	3,197.72	3/4	2,820.03	3/4	2,442.34

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'-09" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29130"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,434.47	0	2,056.77	0	1,679.08	0	1,301.39	0	923.97	0	546.40	0	195.92	0	0	0	0	0	0
1/4	2,426.60	1/4	2,048.91	1/4	1,671.21	1/4	1,293.52	1/4	916.11	1/4	538.55	1/4	189.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,418.73	1/2	2,041.04	1/2	1,663.34	1/2	1,285.65	1/2	908.25	1/2	530.69	1/2	182.67	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,410.86	3/4	2,033.17	3/4	1,655.48	3/4	1,277.78	3/4	900.40	3/4	522.83	3/4	176.04	3/4	3/4	3/4	3/4	3/4	3/4
1	2,402.99	1	2,025.30	1	1,647.61	1	1,269.91	1	892.54	1	515.02	1	169.53	1	1	1	1	1	1
1/4	2,395.12	1/4	2,017.43	1/4	1,639.74	1/4	1,262.05	1/4	884.68	1/4	507.21	1/4	163.02	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,387.26	1/2	2,009.56	1/2	1,631.87	1/2	1,254.18	1/2	876.83	1/2	499.40	1/2	156.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,379.39	3/4	2,001.69	3/4	1,624.00	3/4	1,246.31	3/4	868.97	3/4	491.59	3/4	149.99	3/4	3/4	3/4	3/4	3/4	3/4
2	2,371.52	2	1,993.83	2	1,616.13	2	1,238.44	2	861.11	2	483.87	2	143.59	2	2	2	2	2	2
1/4	2,363.65	1/4	1,985.96	1/4	1,608.26	1/4	1,230.57	1/4	853.25	1/4	476.15	1/4	137.19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,355.78	1/2	1,978.09	1/2	1,600.40	1/2	1,222.70	1/2	845.39	1/2	468.43	1/2	130.80	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,347.91	3/4	1,970.22	3/4	1,592.53	3/4	1,214.83	3/4	837.53	3/4	460.72	3/4	124.40	3/4	3/4	3/4	3/4	3/4	3/4
3	2,340.04	3	1,962.35	3	1,584.66	3	1,206.97	3	829.66	3	453.11	3	118.12	3	3	3	3	3	3
1/4	2,332.17	1/4	1,954.48	1/4	1,576.79	1/4	1,199.10	1/4	821.79	1/4	445.50	1/4	111.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,324.31	1/2	1,946.61	1/2	1,568.92	1/2	1,191.23	1/2	813.92	1/2	437.89	1/2	105.57	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,316.44	3/4	1,938.74	3/4	1,561.05	3/4	1,183.36	3/4	806.05	3/4	430.28	3/4	99.29	3/4	3/4	3/4	3/4	3/4	3/4
4	2,308.57	4	1,930.88	4	1,553.18	4	1,175.49	4	798.18	4	422.78	4	93.15	4	4	4	4	4	4
1/4	2,300.70	1/4	1,923.01	1/4	1,545.31	1/4	1,167.62	1/4	790.31	1/4	415.28	1/4	87.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,292.83	1/2	1,915.14	1/2	1,537.45	1/2	1,159.75	1/2	782.45	1/2	407.78	1/2	80.85	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,284.96	3/4	1,907.27	3/4	1,529.58	3/4	1,151.88	3/4	774.58	3/4	400.28	3/4	74.70	3/4	3/4	3/4	3/4	3/4	3/4
5	2,277.09	5	1,899.40	5	1,521.71	5	1,144.02	5	766.71	5	392.89	5	68.70	5	5	5	5	5	5
1/4	2,269.23	1/4	1,891.53	1/4	1,513.84	1/4	1,136.15	1/4	758.84	1/4	385.50	1/4	62.69	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,261.36	1/2	1,883.66	1/2	1,505.97	1/2	1,128.28	1/2	750.97	1/2	378.11	1/2	56.68	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,253.49	3/4	1,875.80	3/4	1,498.10	3/4	1,120.41	3/4	743.10	3/4	370.72	3/4	50.68	3/4	3/4	3/4	3/4	3/4	3/4
6	2,245.62	6	1,867.93	6	1,490.23	6	1,112.55	6	735.24	6	363.44	6	45.26	6	6	6	6	6	6
1/4	2,237.75	1/4	1,860.06	1/4	1,482.37	1/4	1,104.68	1/4	727.37	1/4	356.16	1/4	39.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,229.88	1/2	1,852.19	1/2	1,474.50	1/2	1,096.82	1/2	719.50	1/2	348.88	1/2	34.44	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,222.01	3/4	1,844.32	3/4	1,466.63	3/4	1,088.96	3/4	711.63	3/4	341.60	3/4	29.02	3/4	3/4	3/4	3/4	3/4	3/4
7	2,214.15	7	1,836.45	7	1,458.76	7	1,081.10	7	703.76	7	334.43	7	25.06	7	7	7	7	7	7
1/4	2,206.28	1/4	1,828.58	1/4	1,450.89	1/4	1,073.24	1/4	695.89	1/4	327.26	1/4	21.10	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,198.41	1/2	1,820.72	1/2	1,443.02	1/2	1,065.39	1/2	688.03	1/2	320.08	1/2	17.14	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,190.54	3/4	1,812.85	3/4	1,435.15	3/4	1,057.53	3/4	680.16	3/4	312.91	3/4	13.18	3/4	3/4	3/4	3/4	3/4	3/4
8	2,182.67	8	1,804.98	8	1,427.29	8	1,049.67	8	672.29	8	305.85	8	9.00	8	8	8	8	8	8
1/4	2,174.80	1/4	1,797.11	1/4	1,419.42	1/4	1,041.82	1/4	664.42	1/4	298.79	1/4	5.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,166.93	1/2	1,789.24	1/2	1,411.55	1/2	1,033.96	1/2	656.55	1/2	291.73	1/2	1.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,159.07	3/4	1,781.37	3/4	1,403.68	3/4	1,026.10	3/4	648.68	3/4	284.66	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
9	2,151.20	9	1,773.50	9	1,395.81	9	1,018.25	9	640.82	9	277.71	9	0.00	9	9	9	9	9	9
1/4	2,143.33	1/4	1,765.64	1/4	1,387.94	1/4	1,010.39	1/4	632.95	1/4	270.76	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,135.46	1/2	1,757.77	1/2	1,380.07	1/2	1,002.53	1/2	625.08	1/2	263.81	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,127.59	3/4	1,749.90	3/4	1,372.21	3/4	994.68	3/4	617.21	3/4	256.85	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
10	2,119.72	10	1,742.03	10	1,364.34	10	986.82	10	609.34	10	250.01	10	0.00	10	10	10	10	10	10
1/4	2,111.85	1/4	1,734.16	1/4	1,356.47	1/4	978.96	1/4	601.47	1/4	243.16	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,103.99	1/2	1,726.29	1/2	1,348.60	1/2	971.11	1/2	593.60	1/2	236.32	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,096.12	3/4	1,718.42	3/4	1,340.73	3/4	963.25	3/4	585.74	3/4	229.48	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
11	2,088.25	11	1,710.56	11	1,332.86	11	955.39	11	577.87	11	222.74	11	0.00	11	11	11	11	11	11
1/4	2,080.38	1/4	1,702.69	1/4	1,324.99	1/4	947.54	1/4	570.00	1/4	216.01	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,072.51	1/2	1,694.82	1/2	1,317.13	1/2	939.68	1/2	562.13	1/2	209.27	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,064.64	3/4	1,686.95	3/4	1,309.26	3/4	931.82	3/4	554.26	3/4	202.54	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/27/2015 CL
CALCULATED: 01/28/2015 CL
PRINTED: 01/28/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "KIRBY 29130"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	4,465.56	0	4,143.27	0	3,805.87	0	3,453.63	0	3,096.31	0	2,737.51		
1/4		1/4		1/4		1/4	4,459.00	1/4	4,136.41	1/4	3,798.68	1/4	3,446.19	1/4	3,088.86	1/4	2,730.03		
1/2		1/2		1/2		1/2	4,452.43	1/2	4,129.51	1/2	3,791.48	1/2	3,438.74	1/2	3,081.38	1/2	2,722.56		
3/4		3/4		3/4		3/4	4,762.65	3/4	4,445.85	3/4	4,122.62	3/4	3,784.27	3/4	3,431.30	3/4	3,073.90	3/4	2,715.08
1		1		1		1	4,757.55	1	4,439.28	1	4,115.72	1	3,777.06	1	3,423.86	1	3,066.43	1	2,707.60
1/4		1/4		1/4		1/4	4,752.44	1/4	4,432.70	1/4	4,108.83	1/4	3,769.85	1/4	3,416.41	1/4	3,058.95	1/4	2,700.13
1/2		1/2		1/2		1/2	4,746.10	1/2	4,426.10	1/2	4,101.91	1/2	3,762.62	1/2	3,408.97	1/2	3,051.48	1/2	2,692.65
3/4		3/4		3/4		3/4	4,739.76	3/4	4,419.50	3/4	4,095.00	3/4	3,755.38	3/4	3,401.63	3/4	3,044.00	3/4	2,685.18
2		2		2		2	4,733.43	2	4,412.90	2	4,088.08	2	3,748.15	2	3,394.08	2	3,036.53	2	2,677.70
1/4		1/4		1/4		1/4	4,727.09	1/4	4,406.30	1/4	4,081.16	1/4	3,740.91	1/4	3,386.64	1/4	3,029.05	1/4	2,670.23
1/2		1/2		1/2		1/2	4,719.87	1/2	4,399.67	1/2	4,074.22	1/2	3,733.65	1/2	3,379.20	1/2	3,021.58	1/2	2,662.75
3/4		3/4		3/4		3/4	4,712.64	3/4	4,393.04	3/4	4,067.28	3/4	3,726.39	3/4	3,371.75	3/4	3,014.10	3/4	2,655.28
3		3		3		3	4,705.42	3	4,386.41	3	4,060.34	3	3,719.14	3	3,364.31	3	3,006.62	3	2,647.80
1/4		1/4		1/4		1/4	4,698.19	1/4	4,379.79	1/4	4,053.39	1/4	3,711.88	1/4	3,356.87	1/4	2,999.15	1/4	2,640.33
1/2		1/2		1/2		1/2	4,690.75	1/2	4,373.13	1/2	4,046.43	1/2	3,704.59	1/2	3,349.42	1/2	2,991.67	1/2	2,632.85
3/4		3/4		3/4		3/4	4,683.31	3/4	4,366.48	3/4	4,039.46	3/4	3,697.31	3/4	3,341.98	3/4	2,984.20	3/4	2,625.37
4		4		4		4	4,675.87	4	4,359.82	4	4,032.49	4	3,690.03	4	3,334.54	4	2,976.72	4	2,617.90
1/4		1/4		1/4		1/4	4,668.42	1/4	4,353.17	1/4	4,025.52	1/4	3,682.74	1/4	3,327.09	1/4	2,969.25	1/4	2,610.42
1/2		1/2		1/2		1/2	4,661.38	1/2	4,346.49	1/2	4,018.52	1/2	3,675.43	1/2	3,319.65	1/2	2,961.77	1/2	2,602.95
3/4		3/4		3/4		3/4	4,654.33	3/4	4,339.81	3/4	4,011.53	3/4	3,668.12	3/4	3,312.21	3/4	2,954.30	3/4	2,595.47
5		5		5		5	4,647.28	5	4,333.13	5	4,004.53	5	3,660.81	5	3,304.76	5	2,946.82	5	2,588.00
1/4		1/4		1/4		1/4	4,640.24	1/4	4,326.45	1/4	3,997.54	1/4	3,653.50	1/4	3,297.32	1/4	2,939.35	1/4	2,580.52
1/2		1/2		1/2		1/2	4,633.84	1/2	4,319.74	1/2	3,990.51	1/2	3,646.16	1/2	3,289.88	1/2	2,931.87	1/2	2,573.05
3/4		3/4		3/4		3/4	4,627.45	3/4	4,313.03	3/4	3,983.49	3/4	3,638.83	3/4	3,282.43	3/4	2,924.39	3/4	2,565.57
6		6		6		6	4,621.06	6	4,306.33	6	3,976.47	6	3,631.49	6	3,274.99	6	2,916.92	6	2,558.09
1/4		1/4		1/4		1/4	4,614.67	1/4	4,299.62	1/4	3,969.45	1/4	3,624.15	1/4	3,267.54	1/4	2,909.44	1/4	2,550.62
1/2		1/2		1/2		1/2	4,608.25	1/2	4,292.89	1/2	3,962.40	1/2	3,616.79	1/2	3,260.10	1/2	2,901.97	1/2	2,543.14
3/4		3/4		3/4		3/4	4,601.83	3/4	4,286.15	3/4	3,955.35	3/4	3,609.43	3/4	3,252.66	3/4	2,894.49	3/4	2,535.67
7		7		7		7	4,595.41	7	4,279.42	7	3,948.30	7	3,602.06	7	3,245.21	7	2,887.02	7	2,528.19
1/4		1/4		1/4		1/4	4,588.99	1/4	4,272.68	1/4	3,941.25	1/4	3,594.70	1/4	3,237.77	1/4	2,879.54	1/4	2,520.72
1/2		1/2		1/2		1/2	4,582.54	1/2	4,265.92	1/2	3,934.18	1/2	3,587.31	1/2	3,230.33	1/2	2,872.07	1/2	2,513.24
3/4		3/4		3/4		3/4	4,576.10	3/4	4,259.16	3/4	3,927.10	3/4	3,579.92	3/4	3,222.88	3/4	2,864.59	3/4	2,505.77
8		8		8		8	4,569.65	8	4,252.40	8	3,920.03	8	3,572.53	8	3,215.44	8	2,857.11	8	2,498.29
1/4		1/4		1/4		1/4	4,563.20	1/4	4,245.64	1/4	3,912.95	1/4	3,565.14	1/4	3,208.00	1/4	2,849.64	1/4	2,490.82
1/2		1/2		1/2		1/2	4,556.73	1/2	4,238.86	1/2	3,905.85	1/2	3,557.72	1/2	3,200.55	1/2	2,842.16	1/2	2,483.34
3/4		3/4		3/4		3/4	4,550.26	3/4	4,232.07	3/4	3,898.75	3/4	3,550.31	3/4	3,193.11	3/4	2,834.69	3/4	2,475.86
9		9		9		9	4,543.79	9	4,225.28	9	3,891.65	9	3,542.89	9	3,185.67	9	2,827.21	9	2,468.39
1/4		1/4		1/4		1/4	4,537.32	1/4	4,218.49	1/4	3,884.55	1/4	3,535.47	1/4	3,178.22	1/4	2,819.74	1/4	2,460.91
1/2		1/2		1/2		1/2	4,530.82	1/2	4,211.68	1/2	3,877.42	1/2	3,528.04	1/2	3,170.78	1/2	2,812.26	1/2	2,453.44
3/4		3/4		3/4		3/4	4,524.32	3/4	4,204.87	3/4	3,870.29	3/4	3,520.60	3/4	3,163.34	3/4	2,804.79	3/4	2,445.96
10		10		10		10	4,517.82	10	4,198.05	10	3,863.16	10	3,513.17	10	3,155.89	10	2,797.31	10	2,438.49
1/4		1/4		1/4		1/4	4,511.32	1/4	4,191.24	1/4	3,856.03	1/4	3,505.73	1/4	3,148.45	1/4	2,789.84	1/4	2,431.01
1/2		1/2		1/2		1/2	4,504.79	1/2	4,184.40	1/2	3,848.88	1/2	3,498.29	1/2	3,141.01	1/2	2,782.36	1/2	2,423.54
3/4		3/4		3/4		3/4	4,498.27	3/4	4,177.56	3/4	3,841.72	3/4	3,490.85	3/4	3,133.56	3/4	2,774.88	3/4	2,416.06
11		11		11		11	4,491.74	11	4,170.72	11	3,834.57	11	3,483.40	11	3,126.12	11	2,767.41	11	2,408.58
1/4		1/4		1/4		1/4	4,485.22	1/4	4,163.87	1/4	3,827.41	1/4	3,475.96	1/4	3,118.68	1/4	2,759.93	1/4	2,401.11
1/2		1/2		1/2		1/2	4,478.66	1/2	4,157.01	1/2	3,820.23	1/2	3,468.52	1/2	3,111.22	1/2	2,752.46	1/2	2,393.63
3/4		3/4		3/4		3/4	4,472.11	3/4	4,150.14	3/4	3,813.05	3/4	3,461.07	3/4	3,103.77	3/4	2,744.98	3/4	2,386.16

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'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29130"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	2,378.68	0	2,019.86	0	1,661.03	0	1,310.27	0	965.60	0	609.06	0	250.25	0		0		0	
1/4	2,371.21	1/4	2,012.38	1/4	1,653.56	1/4	1,303.08	1/4	958.43	1/4	601.58	1/4	242.77	1/4		1/4		1/4	
1/2	2,363.73	1/2	2,004.91	1/2	1,646.08	1/2	1,295.88	1/2	951.26	1/2	594.11	1/2	235.29	1/2		1/2		1/2	
3/4	2,356.26	3/4	1,997.43	3/4	1,638.61	3/4	1,288.69	3/4	944.09	3/4	586.63	3/4	227.82	3/4		3/4		3/4	
1	2,348.78	1	1,989.96	1	1,631.13	1	1,281.60	1	936.91	1	579.16	1	220.34	1		1		1	
1/4	2,341.31	1/4	1,982.48	1/4	1,623.66	1/4	1,274.31	1/4	929.74	1/4	571.68	1/4	212.87	1/4		1/4		1/4	
1/2	2,333.83	1/2	1,975.01	1/2	1,616.18	1/2	1,267.11	1/2	922.45	1/2	564.21	1/2	205.40	1/2		1/2		1/2	
3/4	2,326.35	3/4	1,967.53	3/4	1,608.71	3/4	1,259.92	3/4	915.17	3/4	556.73	3/4	197.92	3/4		3/4		3/4	
2	2,318.88	2	1,960.05	2	1,601.23	2	1,252.73	2	907.88	2	549.26	2	190.45	2		2		2	
1/4	2,311.40	1/4	1,952.58	1/4	1,593.76	1/4	1,245.53	1/4	900.60	1/4	541.78	1/4	182.98	1/4		1/4		1/4	
1/2	2,303.93	1/2	1,945.10	1/2	1,586.28	1/2	1,238.34	1/2	893.12	1/2	534.31	1/2	175.51	1/2		1/2		1/2	
3/4	2,296.45	3/4	1,937.63	3/4	1,578.80	3/4	1,231.15	3/4	885.65	3/4	526.83	3/4	168.04	3/4		3/4		3/4	
3	2,288.98	3	1,930.15	3	1,571.33	3	1,223.96	3	878.17	3	519.36	3	160.58	3		3		3	
1/4	2,281.50	1/4	1,922.68	1/4	1,563.85	1/4	1,216.76	1/4	870.70	1/4	511.88	1/4	153.11	1/4		1/4		1/4	
1/2	2,274.03	1/2	1,915.20	1/2	1,556.38	1/2	1,209.57	1/2	863.22	1/2	504.41	1/2	145.65	1/2		1/2		1/2	
3/4	2,266.55	3/4	1,907.73	3/4	1,548.90	3/4	1,202.39	3/4	855.74	3/4	496.93	3/4	138.20	3/4		3/4		3/4	
4	2,259.07	4	1,900.25	4	1,541.43	4	1,195.20	4	848.27	4	489.45	4	130.74	4		4		4	
1/4	2,251.60	1/4	1,892.78	1/4	1,533.95	1/4	1,188.01	1/4	840.79	1/4	481.98	1/4	123.29	1/4		1/4		1/4	
1/2	2,244.12	1/2	1,885.30	1/2	1,526.58	1/2	1,180.83	1/2	833.32	1/2	474.50	1/2	115.85	1/2		1/2		1/2	
3/4	2,236.65	3/4	1,877.82	3/4	1,519.21	3/4	1,173.65	3/4	825.84	3/4	467.03	3/4	108.41	3/4		3/4		3/4	
5	2,229.17	5	1,870.35	5	1,511.84	5	1,166.47	5	818.37	5	459.55	5	100.98	5		5		5	
1/4	2,221.70	1/4	1,862.87	1/4	1,504.47	1/4	1,159.29	1/4	810.89	1/4	452.08	1/4	93.54	1/4		1/4		1/4	
1/2	2,214.22	1/2	1,855.40	1/2	1,497.28	1/2	1,152.11	1/2	803.42	1/2	444.60	1/2	86.13	1/2		1/2		1/2	
3/4	2,206.75	3/4	1,847.92	3/4	1,490.09	3/4	1,144.94	3/4	795.94	3/4	437.13	3/4	78.72	3/4		3/4		3/4	
6	2,199.27	6	1,840.45	6	1,482.90	6	1,137.76	6	788.47	6	429.65	6	71.32	6		6		6	
1/4	2,191.80	1/4	1,832.97	1/4	1,475.70	1/4	1,130.58	1/4	780.99	1/4	422.18	1/4	63.91	1/4		1/4		1/4	
1/2	2,184.32	1/2	1,825.50	1/2	1,468.51	1/2	1,123.41	1/2	773.52	1/2	414.70	1/2	56.96	1/2		1/2		1/2	
3/4	2,176.84	3/4	1,818.02	3/4	1,461.32	3/4	1,116.24	3/4	766.04	3/4	407.23	3/4	50.02	3/4		3/4		3/4	
7	2,169.37	7	1,810.54	7	1,454.13	7	1,109.06	7	758.57	7	399.75	7	43.07	7		7		7	
1/4	2,161.89	1/4	1,803.07	1/4	1,446.93	1/4	1,101.89	1/4	751.09	1/4	392.28	1/4	36.12	1/4		1/4		1/4	
1/2	2,154.42	1/2	1,795.59	1/2	1,439.74	1/2	1,094.72	1/2	743.62	1/2	384.80	1/2	30.83	1/2		1/2		1/2	
3/4	2,146.94	3/4	1,788.12	3/4	1,432.55	3/4	1,087.54	3/4	736.14	3/4	377.33	3/4	25.54	3/4		3/4		3/4	
8	2,139.47	8	1,780.64	8	1,425.35	8	1,080.37	8	728.66	8	369.85	8	20.25	8		8		8	
1/4	2,131.99	1/4	1,773.17	1/4	1,418.16	1/4	1,073.20	1/4	721.19	1/4	362.37	1/4	14.95	1/4		1/4		1/4	
1/2	2,124.52	1/2	1,765.69	1/2	1,410.97	1/2	1,066.02	1/2	713.71	1/2	354.90	1/2		1/2		1/2		1/2	
3/4	2,117.04	3/4	1,758.22	3/4	1,403.78	3/4	1,058.85	3/4	706.24	3/4	347.42	3/4		3/4		3/4		3/4	
9	2,109.56	9	1,750.74	9	1,396.58	9	1,051.68	9	698.76	9	339.95	9		9		9		9	
1/4	2,102.09	1/4	1,743.27	1/4	1,389.39	1/4	1,044.51	1/4	691.29	1/4	332.47	1/4		1/4		1/4		1/4	
1/2	2,094.61	1/2	1,735.79	1/2	1,382.20	1/2	1,037.33	1/2	683.81	1/2	325.00	1/2		1/2		1/2		1/2	
3/4	2,087.14	3/4	1,728.31	3/4	1,375.00	3/4	1,030.16	3/4	676.34	3/4	317.52	3/4		3/4		3/4		3/4	
10	2,079.66	10	1,720.84	10	1,367.81	10	1,022.99	10	668.86	10	310.05	10		10		10		10	
1/4	2,072.19	1/4	1,713.36	1/4	1,360.62	1/4	1,015.81	1/4	661.39	1/4	302.57	1/4		1/4		1/4		1/4	
1/2	2,064.71	1/2	1,705.89	1/2	1,353.43	1/2	1,008.64	1/2	653.91	1/2	295.10	1/2		1/2		1/2		1/2	
3/4	2,057.24	3/4	1,698.41	3/4	1,346.23	3/4	1,001.47	3/4	646.44	3/4	287.62	3/4		3/4		3/4		3/4	
11	2,049.76	11	1,690.94	11	1,339.04	11	994.30	11	638.96	11	280.15	11		11		11		11	
1/4	2,042.29	1/4	1,683.46	1/4	1,331.85	1/4	987.12	1/4	631.49	1/4	272.67	1/4		1/4		1/4		1/4	
1/2	2,034.81	1/2	1,675.99	1/2	1,324.65	1/2	979.95	1/2	624.01	1/2	265.20	1/2		1/2		1/2		1/2	
3/4	2,027.33	3/4	1,668.51	3/4	1,317.46	3/4	972.78	3/4	616.54	3/4	257.72	3/4		3/4		3/4		3/4	

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PRINTED: 01/28/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 29130"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	0	0	0	0	0	0	0	4,483.10	0	4,160.51	0	3,822.78	0	3,470.29	0	3,112.98	0	2,754.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,476.53	1/4	4,153.61	1/4	3,815.58	1/4	3,462.84	1/4	3,105.51	1/4	2,746.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,786.75	1/2	4,469.95	1/2	4,146.72	1/2	3,808.37	1/2	3,455.40	1/2	3,098.03	1/2	2,739.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,781.65	3/4	4,463.38	3/4	4,139.82	3/4	3,801.16	3/4	3,447.96	3/4	3,090.55	3/4	2,731.73
1	1	1	1	1	1	1	1	4,776.54	1	4,456.80	1	4,132.93	1	3,793.95	1	3,440.51	1	3,083.08	1	2,724.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.20	1/4	4,450.20	1/4	4,126.01	1/4	3,786.72	1/4	3,433.07	1/4	3,075.60	1/4	2,716.77
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,763.86	1/2	4,443.60	1/2	4,119.10	1/2	3,779.48	1/2	3,425.63	1/2	3,068.13	1/2	2,709.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,757.53	3/4	4,437.00	3/4	4,112.18	3/4	3,772.24	3/4	3,418.18	3/4	3,060.65	3/4	2,701.82
2	2	2	2	2	2	2	2	4,751.19	2	4,430.40	2	4,105.26	2	3,765.01	2	3,410.74	2	3,053.18	2	2,694.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,743.96	1/4	4,423.77	1/4	4,098.32	1/4	3,757.75	1/4	3,403.30	1/4	3,045.70	1/4	2,686.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,736.74	1/2	4,417.14	1/2	4,091.38	1/2	3,750.49	1/2	3,395.85	1/2	3,038.22	1/2	2,679.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,729.52	3/4	4,410.51	3/4	4,084.44	3/4	3,743.24	3/4	3,388.41	3/4	3,030.75	3/4	2,671.92
3	3	3	3	3	3	3	3	4,722.29	3	4,403.89	3	4,077.49	3	3,735.98	3	3,380.96	3	3,023.27	3	2,664.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,714.85	1/4	4,397.23	1/4	4,070.52	1/4	3,728.69	1/4	3,373.52	1/4	3,015.80	1/4	2,656.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,707.41	1/2	4,390.58	1/2	4,063.56	1/2	3,721.41	1/2	3,366.08	1/2	3,008.32	1/2	2,649.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,699.96	3/4	4,383.92	3/4	4,056.59	3/4	3,714.13	3/4	3,358.63	3/4	3,000.85	3/4	2,642.02
4	4	4	4	4	4	4	4	4,692.52	4	4,377.27	4	4,049.62	4	3,706.84	4	3,351.19	4	2,993.37	4	2,634.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,685.47	1/4	4,370.59	1/4	4,042.62	1/4	3,699.63	1/4	3,343.75	1/4	2,985.90	1/4	2,627.07
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,678.43	1/2	4,363.91	1/2	4,035.63	1/2	3,692.22	1/2	3,336.30	1/2	2,978.42	1/2	2,619.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,671.38	3/4	4,357.23	3/4	4,028.63	3/4	3,684.91	3/4	3,328.86	3/4	2,970.94	3/4	2,612.12
5	5	5	5	5	5	5	5	4,664.34	5	4,350.55	5	4,021.64	5	3,677.60	5	3,321.42	5	2,963.47	5	2,604.64
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,657.94	1/4	4,343.84	1/4	4,014.61	1/4	3,670.26	1/4	3,313.97	1/4	2,955.99	1/4	2,597.16
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,651.55	1/2	4,337.13	1/2	4,007.59	1/2	3,662.93	1/2	3,306.53	1/2	2,948.52	1/2	2,589.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,645.16	3/4	4,330.43	3/4	4,000.57	3/4	3,655.59	3/4	3,299.09	3/4	2,941.04	3/4	2,582.21
6	6	6	6	6	6	6	6	4,638.77	6	4,323.72	6	3,993.55	6	3,648.25	6	3,291.64	6	2,933.57	6	2,574.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,632.35	1/4	4,316.98	1/4	3,986.50	1/4	3,640.89	1/4	3,284.20	1/4	2,926.09	1/4	2,567.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,625.93	1/2	4,310.25	1/2	3,979.45	1/2	3,633.53	1/2	3,276.76	1/2	2,918.62	1/2	2,559.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,619.51	3/4	4,303.52	3/4	3,972.40	3/4	3,626.16	3/4	3,269.31	3/4	2,911.14	3/4	2,552.31
7	7	7	7	7	7	7	7	4,613.09	7	4,296.78	7	3,965.35	7	3,618.80	7	3,261.87	7	2,903.66	7	2,544.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,606.64	1/4	4,290.02	1/4	3,958.28	1/4	3,611.41	1/4	3,254.43	1/4	2,896.19	1/4	2,537.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,600.20	1/2	4,283.26	1/2	3,951.20	1/2	3,604.02	1/2	3,246.98	1/2	2,888.71	1/2	2,529.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,593.75	3/4	4,276.50	3/4	3,944.13	3/4	3,596.63	3/4	3,239.54	3/4	2,881.24	3/4	2,522.41
8	8	8	8	8	8	8	8	4,587.30	8	4,269.74	8	3,937.05	8	3,589.24	8	3,232.10	8	2,873.76	8	2,514.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,580.83	1/4	4,262.95	1/4	3,929.95	1/4	3,581.82	1/4	3,224.65	1/4	2,866.29	1/4	2,507.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,574.36	1/2	4,256.17	1/2	3,922.85	1/2	3,574.41	1/2	3,217.21	1/2	2,858.81	1/2	2,499.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,567.89	3/4	4,249.38	3/4	3,915.75	3/4	3,566.99	3/4	3,209.77	3/4	2,851.33	3/4	2,492.51
9	9	9	9	9	9	9	9	4,561.42	9	4,242.59	9	3,908.65	9	3,559.57	9	3,202.32	9	2,843.86	9	2,485.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,554.92	1/4	4,235.78	1/4	3,901.52	1/4	3,552.14	1/4	3,194.88	1/4	2,836.38	1/4	2,477.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,548.42	1/2	4,228.97	1/2	3,894.39	1/2	3,544.70	1/2	3,187.44	1/2	2,828.91	1/2	2,470.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,541.92	3/4	4,222.15	3/4	3,887.26	3/4	3,537.27	3/4	3,179.99	3/4	2,821.43	3/4	2,462.60
10	10	10	10	10	10	10	10	4,535.42	10	4,215.34	10	3,880.13	10	3,529.83	10	3,172.55	10	2,813.96	10	2,455.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,528.89	1/4	4,208.50	1/4	3,872.98	1/4	3,522.39	1/4	3,165.11	1/4	2,806.48	1/4	2,447.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,522.37	1/2	4,201.66	1/2	3,865.82	1/2	3,514.95	1/2	3,157.66	1/2	2,799.01	1/2	2,440.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,515.84	3/4	4,194.82	3/4	3,858.67	3/4	3,507.50	3/4	3,150.22	3/4	2,791.53	3/4	2,432.70
11	11	11	11	11	11	11	11	4,509.31	11	4,187.97	11	3,851.51	11	3,500.06	11	3,142.78	11	2,784.05	11	2,425.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,502.76	1/4	4,181.11	1/4	3,844.33	1/4	3,492.62	1/4	3,135.33	1/4	2,776.58	1/4	2,417.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,496.21	1/2	4,174.24	1/2	3,837.15	1/2	3,485.17	1/2	3,127.88	1/2	2,769.10	1/2	2,410.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,489.65	3/4	4,167.37	3/4	3,829.97	3/4	3,477.73	3/4	3,120.43	3/4	2,761.63	3/4	2,402.80

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'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77568
 http://www.pmacorp.net



BARGE "KIRBY 29130"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08"

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	2,395.32	0	2,036.49	0	1,677.67	0	1,318.84	0	960.27	0	601.58	0	242.77	0	0	0	0	0	0
1/4	2,387.85	1/4	2,029.02	1/4	1,670.19	1/4	1,311.36	1/4	952.81	1/4	594.11	1/4	235.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,380.37	1/2	2,021.54	1/2	1,662.71	1/2	1,303.89	1/2	945.34	1/2	586.63	1/2	227.82	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,372.90	3/4	2,014.07	3/4	1,655.24	3/4	1,296.41	3/4	937.88	3/4	579.16	3/4	220.34	3/4	3/4	3/4	3/4	3/4	3/4
1	2,365.42	1	2,006.59	1	1,647.76	1	1,288.93	1	930.42	1	571.68	1	212.87	1	1	1	1	1	1
1/4	2,357.95	1/4	1,999.12	1/4	1,640.29	1/4	1,281.46	1/4	922.95	1/4	564.21	1/4	205.40	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,350.47	1/2	1,991.64	1/2	1,632.81	1/2	1,273.98	1/2	915.49	1/2	556.73	1/2	197.92	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,342.99	3/4	1,984.17	3/4	1,625.34	3/4	1,266.51	3/4	908.03	3/4	549.26	3/4	190.45	3/4	3/4	3/4	3/4	3/4	3/4
2	2,335.52	2	1,976.69	2	1,617.86	2	1,259.03	2	900.56	2	541.78	2	182.98	2	2	2	2	2	2
1/4	2,328.04	1/4	1,969.21	1/4	1,610.39	1/4	1,251.56	1/4	893.10	1/4	534.31	1/4	175.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,320.57	1/2	1,961.74	1/2	1,602.91	1/2	1,244.08	1/2	885.63	1/2	526.83	1/2	168.04	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,313.09	3/4	1,954.26	3/4	1,595.43	3/4	1,236.61	3/4	878.16	3/4	519.36	3/4	160.58	3/4	3/4	3/4	3/4	3/4	3/4
3	2,305.62	3	1,946.79	3	1,587.96	3	1,229.13	3	870.70	3	511.88	3	153.11	3	3	3	3	3	3
1/4	2,298.14	1/4	1,939.31	1/4	1,580.48	1/4	1,221.65	1/4	863.22	1/4	504.41	1/4	145.65	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,290.66	1/2	1,931.84	1/2	1,573.01	1/2	1,214.18	1/2	855.74	1/2	496.93	1/2	138.20	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,283.19	3/4	1,924.36	3/4	1,565.53	3/4	1,206.70	3/4	848.27	3/4	489.45	3/4	130.74	3/4	3/4	3/4	3/4	3/4	3/4
4	2,275.71	4	1,916.88	4	1,558.06	4	1,199.23	4	840.79	4	481.98	4	123.29	4	4	4	4	4	4
1/4	2,268.24	1/4	1,909.41	1/4	1,550.58	1/4	1,191.75	1/4	833.32	1/4	474.50	1/4	115.85	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,260.76	1/2	1,901.93	1/2	1,543.10	1/2	1,184.28	1/2	825.84	1/2	467.03	1/2	108.41	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,253.29	3/4	1,894.46	3/4	1,535.63	3/4	1,176.80	3/4	818.37	3/4	459.55	3/4	100.98	3/4	3/4	3/4	3/4	3/4	3/4
5	2,245.81	5	1,886.98	5	1,528.15	5	1,169.32	5	810.89	5	452.08	5	93.54	5	5	5	5	5	5
1/4	2,238.34	1/4	1,879.51	1/4	1,520.68	1/4	1,161.85	1/4	803.42	1/4	444.60	1/4	86.13	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,230.86	1/2	1,872.03	1/2	1,513.20	1/2	1,154.37	1/2	795.94	1/2	437.13	1/2	78.72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,223.38	3/4	1,864.56	3/4	1,505.73	3/4	1,146.90	3/4	788.47	3/4	429.65	3/4	71.32	3/4	3/4	3/4	3/4	3/4	3/4
6	2,215.91	6	1,857.08	6	1,498.25	6	1,139.42	6	780.99	6	422.18	6	63.91	6	6	6	6	6	6
1/4	2,208.43	1/4	1,849.60	1/4	1,490.78	1/4	1,131.95	1/4	773.52	1/4	414.70	1/4	56.96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,200.96	1/2	1,842.13	1/2	1,483.30	1/2	1,124.48	1/2	766.04	1/2	407.23	1/2	50.02	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,193.48	3/4	1,834.65	3/4	1,475.82	3/4	1,117.01	3/4	758.57	3/4	399.75	3/4	43.07	3/4	3/4	3/4	3/4	3/4	3/4
7	2,186.01	7	1,827.18	7	1,468.35	7	1,109.54	7	751.09	7	392.28	7	36.12	7	7	7	7	7	7
1/4	2,178.53	1/4	1,819.70	1/4	1,460.87	1/4	1,102.08	1/4	743.62	1/4	384.80	1/4	30.83	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,171.06	1/2	1,812.23	1/2	1,453.40	1/2	1,094.61	1/2	736.14	1/2	377.33	1/2	25.54	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,163.58	3/4	1,804.75	3/4	1,445.92	3/4	1,087.15	3/4	728.66	3/4	369.85	3/4	20.25	3/4	3/4	3/4	3/4	3/4	3/4
8	2,156.10	8	1,797.28	8	1,438.45	8	1,079.69	8	721.19	8	362.37	8	14.95	8	8	8	8	8	8
1/4	2,148.63	1/4	1,789.80	1/4	1,430.97	1/4	1,072.22	1/4	713.71	1/4	354.90	1/4	8.66	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,141.15	1/2	1,782.32	1/2	1,423.50	1/2	1,064.76	1/2	706.24	1/2	347.42	1/2	3.37	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,133.68	3/4	1,774.85	3/4	1,416.02	3/4	1,057.30	3/4	698.76	3/4	339.95	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
9	2,126.20	9	1,767.37	9	1,408.54	9	1,049.83	9	691.29	9	332.47	9	0.00	9	9	9	9	9	9
1/4	2,118.73	1/4	1,759.90	1/4	1,401.07	1/4	1,042.37	1/4	683.81	1/4	325.00	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,111.25	1/2	1,752.42	1/2	1,393.59	1/2	1,034.91	1/2	676.34	1/2	317.52	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,103.77	3/4	1,744.95	3/4	1,386.12	3/4	1,027.44	3/4	668.86	3/4	310.05	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
10	2,096.30	10	1,737.47	10	1,378.64	10	1,019.98	10	661.39	10	302.57	10	0.00	10	10	10	10	10	10
1/4	2,088.82	1/4	1,729.99	1/4	1,371.17	1/4	1,012.52	1/4	653.91	1/4	295.10	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,081.35	1/2	1,722.52	1/2	1,363.69	1/2	1,005.05	1/2	646.44	1/2	287.62	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,073.87	3/4	1,715.04	3/4	1,356.21	3/4	997.59	3/4	638.96	3/4	280.15	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4
11	2,066.40	11	1,707.57	11	1,348.74	11	990.13	11	631.49	11	272.67	11	0.00	11	11	11	11	11	11
1/4	2,058.92	1/4	1,700.09	1/4	1,341.26	1/4	982.66	1/4	624.01	1/4	265.20	1/4	0.00	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,051.45	1/2	1,692.62	1/2	1,333.79	1/2	975.20	1/2	616.54	1/2	257.72	1/2	0.00	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,043.97	3/4	1,685.14	3/4	1,326.31	3/4	967.74	3/4	609.06	3/4	250.25	3/4	0.00	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/27/2015 CL
CALCULATED: 01/28/2015 CL
PRINTED: 01/28/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 29130"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,365.84	0	4,125.76	0	3,879.92	0	3,622.07	0	3,352.42	0	3,003.57	0	2,647.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,361.21	1/4	4,120.75	1/4	3,874.66	1/4	3,616.56	1/4	3,346.72	1/4	2,996.14	1/4	2,639.78
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,356.58	1/2	4,115.75	1/2	3,869.40	1/2	3,611.06	1/2	3,341.02	1/2	2,988.72	1/2	2,632.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,351.94	3/4	4,110.74	3/4	3,864.14	3/4	3,605.55	3/4	3,335.32	3/4	2,981.30	3/4	2,624.93
1		1		1		1	4,347.31	1	4,105.73	1	3,858.87	1	3,600.04	1	3,329.61	1	2,973.87	1	2,617.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,343.16	1/4	4,100.71	1/4	3,853.60	1/4	3,594.51	1/4	3,322.19	1/4	2,966.45	1/4	2,610.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,339.01	1/2	4,095.68	1/2	3,848.32	1/2	3,588.98	1/2	3,314.76	1/2	2,959.02	1/2	2,602.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,334.86	3/4	4,090.66	3/4	3,843.04	3/4	3,583.45	3/4	3,307.33	3/4	2,951.60	3/4	2,595.24
2		2		2		2	4,330.71	2	4,085.63	2	3,837.76	2	3,577.92	2	3,299.90	2	2,944.18	2	2,587.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,326.35	1/4	4,080.58	1/4	3,832.47	1/4	3,572.37	1/4	3,292.48	1/4	2,936.75	1/4	2,580.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,320.00	1/2	4,075.53	1/2	3,827.17	1/2	3,566.82	1/2	3,285.05	1/2	2,929.33	1/2	2,572.97
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,314.64	3/4	4,070.48	3/4	3,821.87	3/4	3,561.27	3/4	3,277.62	3/4	2,921.90	3/4	2,565.54
3		3		3		3	4,309.29	3	4,065.43	3	3,816.58	3	3,555.72	3	3,270.20	3	2,914.48	3	2,558.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,303.59	1/4	4,060.37	1/4	3,811.26	1/4	3,550.15	1/4	3,262.77	1/4	2,907.05	1/4	2,550.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,297.88	1/2	4,055.30	1/2	3,805.94	1/2	3,544.59	1/2	3,255.34	1/2	2,899.63	1/2	2,543.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,292.18	3/4	4,050.23	3/4	3,800.62	3/4	3,539.02	3/4	3,247.91	3/4	2,892.21	3/4	2,535.84
4		4		4		4	4,286.48	4	4,045.16	4	3,795.30	4	3,533.45	4	3,240.49	4	2,884.78	4	2,528.42
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,280.77	1/4	4,040.07	1/4	3,789.96	1/4	3,527.86	1/4	3,233.06	1/4	2,877.36	1/4	2,521.00
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,275.07	1/2	4,034.98	1/2	3,784.62	1/2	3,522.27	1/2	3,225.63	1/2	2,869.93	1/2	2,513.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,269.37	3/4	4,029.89	3/4	3,779.28	3/4	3,516.68	3/4	3,218.20	3/4	2,862.51	3/4	2,506.15
5		5		5		5	4,263.66	5	4,024.80	5	3,773.94	5	3,511.09	5	3,210.78	5	2,855.09	5	2,498.72
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,258.80	1/4	4,019.69	1/4	3,768.58	1/4	3,505.48	1/4	3,203.38	1/4	2,847.66	1/4	2,491.30
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,253.94	1/2	4,014.58	1/2	3,763.22	1/2	3,499.87	1/2	3,195.98	1/2	2,840.24	1/2	2,483.88
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,249.08	3/4	4,009.47	3/4	3,757.85	3/4	3,494.26	3/4	3,188.58	3/4	2,832.81	3/4	2,476.45
6		6		6		6	4,244.21	6	4,004.36	6	3,752.49	6	3,488.65	6	3,181.18	6	2,825.39	6	2,469.03
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,239.33	1/4	3,999.23	1/4	3,747.11	1/4	3,483.02	1/4	3,173.78	1/4	2,817.96	1/4	2,461.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,234.45	1/2	3,994.09	1/2	3,741.73	1/2	3,477.39	1/2	3,166.38	1/2	2,810.54	1/2	2,454.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,229.57	3/4	3,988.96	3/4	3,736.35	3/4	3,471.76	3/4	3,158.98	3/4	2,803.12	3/4	2,446.75
7		7		7		7	4,224.69	7	3,983.83	7	3,730.97	7	3,466.12	7	3,151.58	7	2,795.69	7	2,439.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,219.78	1/4	3,978.67	1/4	3,725.57	1/4	3,460.47	1/4	3,144.17	1/4	2,788.27	1/4	2,431.91
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,214.88	1/2	3,973.52	1/2	3,720.16	1/2	3,454.82	1/2	3,136.77	1/2	2,780.84	1/2	2,424.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,209.97	3/4	3,968.37	3/4	3,714.76	3/4	3,449.17	3/4	3,129.37	3/4	2,773.42	3/4	2,417.06
8		8		8		8	4,205.07	8	3,963.22	8	3,709.36	8	3,443.52	8	3,121.97	8	2,765.99	8	2,409.63
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,200.15	1/4	3,958.04	1/4	3,703.93	1/4	3,437.84	1/4	3,114.57	1/4	2,758.57	1/4	2,402.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,195.22	1/2	3,952.87	1/2	3,698.51	1/2	3,432.17	1/2	3,107.17	1/2	2,751.15	1/2	2,394.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,190.30	3/4	3,947.69	3/4	3,693.09	3/4	3,426.49	3/4	3,099.77	3/4	2,743.72	3/4	2,387.36
9		9		9		9	4,185.38	9	3,942.51	9	3,687.67	9	3,420.82	9	3,092.37	9	2,736.30	9	2,379.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,180.43	1/4	3,937.32	1/4	3,682.22	1/4	3,415.13	1/4	3,084.97	1/4	2,728.87	1/4	2,372.51
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,175.48	1/2	3,932.13	1/2	3,676.77	1/2	3,409.43	1/2	3,077.57	1/2	2,721.45	1/2	2,365.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,170.53	3/4	3,926.93	3/4	3,671.33	3/4	3,403.74	3/4	3,070.17	3/4	2,714.03	3/4	2,357.66
10		10		10		10	4,165.59	10	3,921.74	10	3,665.88	10	3,398.05	10	3,062.77	10	2,706.60	10	2,350.24
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,160.62	1/4	3,916.52	1/4	3,660.42	1/4	3,392.34	1/4	3,055.37	1/4	2,699.18	1/4	2,342.81
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,155.66	1/2	3,911.30	1/2	3,654.95	1/2	3,386.64	1/2	3,047.97	1/2	2,691.75	1/2	2,335.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,150.69	3/4	3,906.08	3/4	3,649.49	3/4	3,380.94	3/4	3,040.57	3/4	2,684.33	3/4	2,327.96
11		11		11		11	4,145.73	11	3,900.86	11	3,644.02	11	3,375.24	11	3,033.17	11	2,676.90	11	2,320.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,140.73	1/4	3,895.63	1/4	3,638.53	1/4	3,369.53	1/4	3,025.77	1/4	2,669.48	1/4	2,313.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,135.74	1/2	3,890.39	1/2	3,633.05	1/2	3,363.83	1/2	3,018.37	1/2	2,662.06	1/2	2,305.69
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,130.75	3/4	3,885.16	3/4	3,627.56	3/4	3,358.13	3/4	3,010.97	3/4	2,654.63	3/4	2,298.26

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'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29130"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06"

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	2,290.84	0	1,934.06	0	1,578.15	0	1,221.20	0	877.52	0	520.65	0	163.53	0	0	0	0	0	0
1/4	2,283.42	1/4	1,926.62	1/4	1,570.74	1/4	1,214.03	1/4	870.10	1/4	513.21	1/4	156.09	1/4		1/4		1/4	
1/2	2,275.99	1/2	1,919.18	1/2	1,563.33	1/2	1,206.86	1/2	862.68	1/2	505.77	1/2	148.65	1/2		1/2		1/2	
3/4	2,268.57	3/4	1,911.74	3/4	1,555.92	3/4	1,199.68	3/4	855.27	3/4	498.33	3/4	141.21	3/4		3/4		3/4	
1	2,261.14	1	1,904.30	1	1,548.50	1	1,192.51	1	847.85	1	490.89	1	133.77	1		1		1	
1/4	2,253.72	1/4	1,896.89	1/4	1,541.07	1/4	1,185.34	1/4	840.43	1/4	483.45	1/4	126.33	1/4		1/4		1/4	
1/2	2,246.29	1/2	1,889.48	1/2	1,533.63	1/2	1,178.17	1/2	833.01	1/2	476.01	1/2	118.89	1/2		1/2		1/2	
3/4	2,238.87	3/4	1,882.07	3/4	1,526.19	3/4	1,171.00	3/4	825.59	3/4	468.57	3/4	111.45	3/4		3/4		3/4	
2	2,231.44	2	1,874.65	2	1,518.75	2	1,163.83	2	818.17	2	461.13	2	104.01	2		2		2	
1/4	2,224.02	1/4	1,867.24	1/4	1,511.31	1/4	1,156.66	1/4	810.75	1/4	453.69	1/4	96.88	1/4		1/4		1/4	
1/2	2,216.59	1/2	1,859.83	1/2	1,503.87	1/2	1,149.49	1/2	803.33	1/2	446.25	1/2	89.76	1/2		1/2		1/2	
3/4	2,209.17	3/4	1,852.42	3/4	1,496.43	3/4	1,142.32	3/4	795.91	3/4	438.81	3/4	82.63	3/4		3/4		3/4	
3	2,201.74	3	1,845.00	3	1,488.99	3	1,135.15	3	788.50	3	431.37	3	75.51	3		3		3	
1/4	2,194.32	1/4	1,837.59	1/4	1,481.56	1/4	1,127.98	1/4	781.06	1/4	423.93	1/4	69.32	1/4		1/4		1/4	
1/2	2,186.89	1/2	1,830.18	1/2	1,474.12	1/2	1,120.81	1/2	773.62	1/2	416.49	1/2	63.14	1/2		1/2		1/2	
3/4	2,179.47	3/4	1,822.77	3/4	1,466.68	3/4	1,113.64	3/4	766.18	3/4	409.05	3/4	56.96	3/4		3/4		3/4	
4	2,172.04	4	1,815.35	4	1,459.24	4	1,106.46	4	758.74	4	401.61	4	50.77	4		4		4	
1/4	2,164.62	1/4	1,807.94	1/4	1,451.80	1/4	1,099.29	1/4	751.30	1/4	394.17	1/4	45.84	1/4		1/4		1/4	
1/2	2,157.20	1/2	1,800.53	1/2	1,444.36	1/2	1,092.12	1/2	743.86	1/2	386.73	1/2	40.92	1/2		1/2		1/2	
3/4	2,149.77	3/4	1,793.12	3/4	1,436.92	3/4	1,084.95	3/4	736.42	3/4	379.29	3/4	35.99	3/4		3/4		3/4	
5	2,142.35	5	1,785.70	5	1,429.48	5	1,077.78	5	728.98	5	371.85	5	31.06	5		5		5	
1/4	2,134.91	1/4	1,778.29	1/4	1,422.04	1/4	1,070.62	1/4	721.53	1/4	364.41	1/4	27.39	1/4		1/4		1/4	
1/2	2,127.47	1/2	1,770.88	1/2	1,414.61	1/2	1,063.47	1/2	714.09	1/2	356.97	1/2	23.73	1/2		1/2		1/2	
3/4	2,120.03	3/4	1,763.47	3/4	1,407.17	3/4	1,056.31	3/4	706.65	3/4	349.53	3/4	20.06	3/4		3/4		3/4	
6	2,112.59	6	1,756.05	6	1,399.73	6	1,049.15	6	699.21	6	342.09	6	16.40	6		6		6	
1/4	2,105.15	1/4	1,748.64	1/4	1,392.29	1/4	1,042.00	1/4	691.77	1/4	334.65	1/4		1/4		1/4		1/4	
1/2	2,097.71	1/2	1,741.23	1/2	1,384.85	1/2	1,034.84	1/2	684.33	1/2	327.21	1/2		1/2		1/2		1/2	
3/4	2,090.27	3/4	1,733.82	3/4	1,377.41	3/4	1,027.68	3/4	676.89	3/4	319.77	3/4		3/4		3/4		3/4	
7	2,082.84	7	1,726.40	7	1,369.97	7	1,020.53	7	669.45	7	312.33	7		7		7		7	
1/4	2,075.40	1/4	1,718.99	1/4	1,362.53	1/4	1,013.37	1/4	662.01	1/4	304.89	1/4		1/4		1/4		1/4	
1/2	2,067.96	1/2	1,711.58	1/2	1,355.10	1/2	1,006.22	1/2	654.57	1/2	297.45	1/2		1/2		1/2		1/2	
3/4	2,060.52	3/4	1,704.17	3/4	1,347.66	3/4	999.07	3/4	647.13	3/4	290.01	3/4		3/4		3/4		3/4	
8	2,053.08	8	1,696.75	8	1,340.22	8	991.91	8	639.69	8	282.57	8		8		8		8	
1/4	2,045.64	1/4	1,689.34	1/4	1,332.78	1/4	984.76	1/4	632.25	1/4	275.13	1/4		1/4		1/4		1/4	
1/2	2,038.20	1/2	1,681.93	1/2	1,325.34	1/2	977.61	1/2	624.81	1/2	267.69	1/2		1/2		1/2		1/2	
3/4	2,030.76	3/4	1,674.52	3/4	1,317.90	3/4	970.46	3/4	617.37	3/4	260.25	3/4		3/4		3/4		3/4	
9	2,023.33	9	1,667.10	9	1,310.46	9	963.32	9	609.93	9	252.81	9		9		9		9	
1/4	2,015.89	1/4	1,659.69	1/4	1,303.02	1/4	956.17	1/4	602.49	1/4	245.37	1/4		1/4		1/4		1/4	
1/2	2,008.45	1/2	1,652.28	1/2	1,295.59	1/2	949.02	1/2	595.05	1/2	237.93	1/2		1/2		1/2		1/2	
3/4	2,001.01	3/4	1,644.87	3/4	1,288.15	3/4	941.87	3/4	587.61	3/4	230.49	3/4		3/4		3/4		3/4	
10	1,993.57	10	1,637.45	10	1,280.71	10	934.72	10	580.17	10	223.05	10		10		10		10	
1/4	1,986.13	1/4	1,630.04	1/4	1,273.27	1/4	927.57	1/4	572.73	1/4	215.61	1/4		1/4		1/4		1/4	
1/2	1,978.69	1/2	1,622.63	1/2	1,265.83	1/2	920.42	1/2	565.29	1/2	208.17	1/2		1/2		1/2		1/2	
3/4	1,971.25	3/4	1,615.22	3/4	1,258.39	3/4	913.27	3/4	557.85	3/4	200.73	3/4		3/4		3/4		3/4	
11	1,963.81	11	1,607.80	11	1,250.95	11	906.12	11	550.41	11	193.29	11		11		11		11	
1/4	1,956.38	1/4	1,600.39	1/4	1,243.51	1/4	898.97	1/4	542.97	1/4	185.85	1/4		1/4		1/4		1/4	
1/2	1,948.94	1/2	1,592.98	1/2	1,236.07	1/2	891.82	1/2	535.53	1/2	178.41	1/2		1/2		1/2		1/2	
3/4	1,941.50	3/4	1,585.57	3/4	1,228.64	3/4	884.67	3/4	528.09	3/4	170.97	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/27/2015 CL
CALCULATED: 01/28/2015 CL
PRINTED: 01/28/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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



BARGE "KIRBY 29130"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	0	0	0	4,158.61	0	3,911.79	0	3,652.96	0	3,382.27	0	3,033.11	0	2,675.33		
1/4	1/4	1/4	1/4	1/4	1/4	4,394.90	4,153.59	1/4	3,906.53	1/4	3,647.45	1/4	3,376.54	1/4	3,025.66	1/4	2,667.88		
1/2	1/2	1/2	1/2	1/2	1/2	4,390.24	4,148.56	1/2	3,901.25	1/2	3,641.92	1/2	3,370.81	1/2	3,018.20	1/2	2,660.43		
3/4	3/4	3/4	3/4	3/4	3/4	4,385.58	4,143.53	3/4	3,895.96	3/4	3,636.38	3/4	3,365.08	3/4	3,010.75	3/4	2,652.97		
1	1	1	1	1	1	4,380.92	4,138.50	1	3,890.67	1	3,630.85	1	3,359.35	1	3,003.30	1	2,645.52		
1/4	1/4	1/4	1/4	1/4	1/4	4,376.26	4,133.46	1/4	3,885.39	1/4	3,625.32	1/4	3,353.62	1/4	2,995.84	1/4	2,638.07		
1/2	1/2	1/2	1/2	1/2	1/2	4,372.08	4,128.41	1/2	3,880.08	1/2	3,619.76	1/2	3,346.17	1/2	2,988.39	1/2	2,630.61		
3/4	3/4	3/4	3/4	3/4	3/4	4,367.91	4,123.36	3/4	3,874.78	3/4	3,614.20	3/4	3,338.71	3/4	2,980.94	3/4	2,623.16		
2	2	2	2	2	2	4,363.73	4,118.31	2	3,869.47	2	3,608.65	2	3,331.26	2	2,973.48	2	2,615.70		
1/4	1/4	1/4	1/4	1/4	1/4	4,359.56	4,113.26	1/4	3,864.17	1/4	3,603.09	1/4	3,323.81	1/4	2,966.03	1/4	2,608.25		
1/2	1/2	1/2	1/2	1/2	1/2	4,354.18	4,108.19	1/2	3,858.85	1/2	3,597.51	1/2	3,316.35	1/2	2,958.57	1/2	2,600.80		
3/4	3/4	3/4	3/4	3/4	3/4	4,348.80	4,103.11	3/4	3,853.53	3/4	3,591.94	3/4	3,308.90	3/4	2,951.12	3/4	2,593.34		
3	3	3	3	3	3	4,343.42	4,098.04	3	3,848.21	3	3,586.36	3	3,301.45	3	2,943.67	3	2,585.89		
1/4	1/4	1/4	1/4	1/4	1/4	4,338.04	4,092.96	1/4	3,842.88	1/4	3,580.79	1/4	3,293.99	1/4	2,936.21	1/4	2,578.44		
1/2	1/2	1/2	1/2	1/2	1/2	4,332.31	4,087.87	1/2	3,837.54	1/2	3,575.20	1/2	3,286.54	1/2	2,928.76	1/2	2,570.98		
3/4	3/4	3/4	3/4	3/4	3/4	4,326.58	4,082.78	3/4	3,832.19	3/4	3,569.60	3/4	3,279.08	3/4	2,921.31	3/4	2,563.53		
4	4	4	4	4	4	4,320.85	4,077.68	4	3,826.85	4	3,564.01	4	3,271.63	4	2,913.85	4	2,556.08		
1/4	1/4	1/4	1/4	1/4	1/4	4,315.12	4,072.59	1/4	3,821.50	1/4	3,558.42	1/4	3,264.18	1/4	2,906.40	1/4	2,548.62		
1/2	1/2	1/2	1/2	1/2	1/2	4,309.39	4,067.47	1/2	3,816.14	1/2	3,552.80	1/2	3,256.72	1/2	2,898.95	1/2	2,541.17		
3/4	3/4	3/4	3/4	3/4	3/4	4,303.66	4,062.36	3/4	3,810.77	3/4	3,547.18	3/4	3,249.27	3/4	2,891.49	3/4	2,533.71		
5	5	5	5	5	5	4,297.93	4,057.24	5	3,805.41	5	3,541.57	5	3,241.82	5	2,884.04	5	2,526.26		
1/4	1/4	1/4	1/4	1/4	1/4	4,292.21	4,052.12	1/4	3,800.04	1/4	3,535.95	1/4	3,234.36	1/4	2,876.58	1/4	2,518.81		
1/2	1/2	1/2	1/2	1/2	1/2	4,287.32	4,046.99	1/2	3,794.66	1/2	3,530.32	1/2	3,226.91	1/2	2,869.13	1/2	2,511.35		
3/4	3/4	3/4	3/4	3/4	3/4	4,282.43	4,041.85	3/4	3,789.27	3/4	3,524.68	3/4	3,219.46	3/4	2,861.68	3/4	2,503.90		
6	6	6	6	6	6	4,277.54	4,036.72	6	3,783.88	6	3,519.05	6	3,212.00	6	2,854.22	6	2,496.45		
1/4	1/4	1/4	1/4	1/4	1/4	4,272.65	4,031.58	1/4	3,778.49	1/4	3,513.41	1/4	3,204.55	1/4	2,846.77	1/4	2,488.99		
1/2	1/2	1/2	1/2	1/2	1/2	4,267.75	4,026.42	1/2	3,773.09	1/2	3,507.75	1/2	3,197.09	1/2	2,839.32	1/2	2,481.54		
3/4	3/4	3/4	3/4	3/4	3/4	4,262.84	4,021.26	3/4	3,767.68	3/4	3,502.09	3/4	3,189.64	3/4	2,831.86	3/4	2,474.08		
7	7	7	7	7	7	4,257.94	4,016.11	7	3,762.28	7	3,496.43	7	3,182.19	7	2,824.41	7	2,466.63		
1/4	1/4	1/4	1/4	1/4	1/4	4,253.03	4,010.95	1/4	3,756.87	1/4	3,490.78	1/4	3,174.73	1/4	2,816.95	1/4	2,459.18		
1/2	1/2	1/2	1/2	1/2	1/2	4,248.10	4,005.77	1/2	3,751.44	1/2	3,485.10	1/2	3,167.28	1/2	2,809.50	1/2	2,451.72		
3/4	3/4	3/4	3/4	3/4	3/4	4,243.17	4,000.59	3/4	3,746.01	3/4	3,479.42	3/4	3,159.82	3/4	2,802.05	3/4	2,444.27		
8	8	8	8	8	8	4,238.24	3,995.42	8	3,740.58	8	3,473.74	8	3,152.37	8	2,794.59	8	2,436.82		
1/4	1/4	1/4	1/4	1/4	1/4	4,233.31	3,990.24	1/4	3,735.15	1/4	3,468.07	1/4	3,144.92	1/4	2,787.14	1/4	2,429.36		
1/2	1/2	1/2	1/2	1/2	1/2	4,228.36	3,985.04	1/2	3,729.70	1/2	3,462.37	1/2	3,137.46	1/2	2,779.69	1/2	2,421.91		
3/4	3/4	3/4	3/4	3/4	3/4	4,223.41	3,979.84	3/4	3,724.25	3/4	3,456.67	3/4	3,130.01	3/4	2,772.23	3/4	2,414.45		
9	9	9	9	9	9	4,218.46	3,974.63	9	3,718.81	9	3,450.97	9	3,122.56	9	2,764.78	9	2,407.00		
1/4	1/4	1/4	1/4	1/4	1/4	4,213.51	3,969.43	1/4	3,713.36	1/4	3,445.26	1/4	3,115.10	1/4	2,757.33	1/4	2,399.55		
1/2	1/2	1/2	1/2	1/2	1/2	4,208.54	3,964.21	1/2	3,707.89	1/2	3,439.55	1/2	3,107.65	1/2	2,749.87	1/2	2,392.09		
3/4	3/4	3/4	3/4	3/4	3/4	4,203.57	3,958.99	3/4	3,702.41	3/4	3,433.83	3/4	3,100.20	3/4	2,742.42	3/4	2,384.64		
10	10	10	10	10	10	4,198.59	3,953.77	10	3,696.94	10	3,428.11	10	3,092.74	10	2,734.96	10	2,377.19		
1/4	1/4	1/4	1/4	1/4	1/4	4,193.62	3,948.56	1/4	3,691.47	1/4	3,422.39	1/4	3,085.29	1/4	2,727.51	1/4	2,369.73		
1/2	1/2	1/2	1/2	1/2	1/2	4,188.63	3,943.31	1/2	3,685.98	1/2	3,416.66	1/2	3,077.83	1/2	2,720.06	1/2	2,362.28		
3/4	3/4	3/4	3/4	3/4	3/4	4,183.64	3,938.07	3/4	3,680.49	3/4	3,410.93	3/4	3,070.38	3/4	2,712.60	3/4	2,354.83		
11	11	11	11	11	11	4,178.65	3,932.82	11	3,675.00	11	3,405.20	11	3,062.93	11	2,705.15	11	2,347.37		
1/4	1/4	1/4	1/4	1/4	1/4	4,173.66	3,927.58	1/4	3,669.51	1/4	3,399.47	1/4	3,055.47	1/4	2,697.70	1/4	2,339.92		
1/2	1/2	1/2	1/2	1/2	1/2	4,168.64	3,922.32	1/2	3,663.99	1/2	3,393.73	1/2	3,048.02	1/2	2,690.24	1/2	2,332.46		
3/4	3/4	3/4	3/4	3/4	3/4	4,163.63	3,917.06	3/4	3,658.48	3/4	3,388.00	3/4	3,040.57	3/4	2,682.79	3/4	2,325.01		

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'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 29130"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 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	2,318	0	1,960	0	1,602	0	1,244	0	887	0	529	0	171	0		0			
1/4	2,310	1/4	1,952	1/4	1,595	1/4	1,237	1/4	879	1/4	522	1/4	164	1/4		1/4			
1/2	2,303	1/2	1,945	1/2	1,587	1/2	1,229	1/2	872	1/2	514	1/2	156	1/2		1/2			
3/4	2,295	3/4	1,937	3/4	1,580	3/4	1,222	3/4	864	3/4	507	3/4	149	3/4		3/4			
1	2,288	1	1,930	1	1,572	1	1,214	1	857	1	499	1	141	1		1			
1/4	2,280	1/4	1,923	1/4	1,565	1/4	1,207	1/4	849	1/4	492	1/4	134	1/4		1/4			
1/2	2,273	1/2	1,915	1/2	1,557	1/2	1,200	1/2	842	1/2	484	1/2	127	1/2		1/2			
3/4	2,265	3/4	1,908	3/4	1,550	3/4	1,192	3/4	835	3/4	477	3/4	119	3/4		3/4			
2	2,258	2	1,900	2	1,542	2	1,185	2	827	2	469	2	112	2		2			
1/4	2,250	1/4	1,893	1/4	1,535	1/4	1,177	1/4	820	1/4	462	1/4	104	1/4		1/4			
1/2	2,243	1/2	1,885	1/2	1,527	1/2	1,170	1/2	812	1/2	455	1/2	97	1/2		1/2			
3/4	2,236	3/4	1,878	3/4	1,520	3/4	1,162	3/4	805	3/4	447	3/4	90	3/4		3/4			
3	2,228	3	1,870	3	1,513	3	1,155	3	797	3	440	3	83	3		3			
1/4	2,221	1/4	1,863	1/4	1,505	1/4	1,147	1/4	790	1/4	432	1/4	76	1/4		1/4			
1/2	2,213	1/2	1,855	1/2	1,498	1/2	1,140	1/2	782	1/2	425	1/2	69	1/2		1/2			
3/4	2,206	3/4	1,848	3/4	1,490	3/4	1,132	3/4	775	3/4	417	3/4	63	3/4		3/4			
4	2,198	4	1,841	4	1,483	4	1,125	4	768	4	410	4	57	4		4			
1/4	2,191	1/4	1,833	1/4	1,475	1/4	1,118	1/4	760	1/4	402	1/4	51	1/4		1/4			
1/2	2,183	1/2	1,826	1/2	1,468	1/2	1,110	1/2	753	1/2	395	1/2	46	1/2		1/2			
3/4	2,176	3/4	1,818	3/4	1,460	3/4	1,103	3/4	745	3/4	387	3/4	41	3/4		3/4			
5	2,168	5	1,811	5	1,453	5	1,095	5	738	5	380	5	36	5		5			
1/4	2,161	1/4	1,803	1/4	1,445	1/4	1,088	1/4	730	1/4	373	1/4	31	1/4		1/4			
1/2	2,154	1/2	1,796	1/2	1,438	1/2	1,080	1/2	723	1/2	365	1/2	27	1/2		1/2			
3/4	2,146	3/4	1,788	3/4	1,431	3/4	1,073	3/4	715	3/4	358	3/4	24	3/4		3/4			
6	2,139	6	1,781	6	1,423	6	1,065	6	708	6	350	6	20	6		6			
1/4	2,131	1/4	1,773	1/4	1,416	1/4	1,058	1/4	700	1/4	343	1/4	16	1/4		1/4			
1/2	2,124	1/2	1,766	1/2	1,408	1/2	1,050	1/2	693	1/2	335	1/2		1/2		1/2			
3/4	2,116	3/4	1,759	3/4	1,401	3/4	1,043	3/4	686	3/4	328	3/4		3/4		3/4			
7	2,109	7	1,751	7	1,393	7	1,036	7	678	7	320	7		7		7			
1/4	2,101	1/4	1,744	1/4	1,386	1/4	1,028	1/4	671	1/4	313	1/4		1/4		1/4			
1/2	2,094	1/2	1,736	1/2	1,378	1/2	1,021	1/2	663	1/2	305	1/2		1/2		1/2			
3/4	2,086	3/4	1,729	3/4	1,371	3/4	1,013	3/4	656	3/4	298	3/4		3/4		3/4			
8	2,079	8	1,721	8	1,363	8	1,006	8	648	8	291	8		8		8			
1/4	2,072	1/4	1,714	1/4	1,356	1/4	998	1/4	641	1/4	283	1/4		1/4		1/4			
1/2	2,064	1/2	1,706	1/2	1,349	1/2	991	1/2	633	1/2	276	1/2		1/2		1/2			
3/4	2,057	3/4	1,699	3/4	1,341	3/4	983	3/4	626	3/4	268	3/4		3/4		3/4			
9	2,049	9	1,691	9	1,334	9	976	9	618	9	261	9		9		9			
1/4	2,042	1/4	1,684	1/4	1,326	1/4	969	1/4	611	1/4	253	1/4		1/4		1/4			
1/2	2,034	1/2	1,677	1/2	1,319	1/2	961	1/2	604	1/2	246	1/2		1/2		1/2			
3/4	2,027	3/4	1,669	3/4	1,311	3/4	954	3/4	596	3/4	238	3/4		3/4		3/4			
10	2,019	10	1,662	10	1,304	10	946	10	589	10	231	10		10		10			
1/4	2,012	1/4	1,654	1/4	1,296	1/4	939	1/4	581	1/4	223	1/4		1/4		1/4			
1/2	2,005	1/2	1,647	1/2	1,289	1/2	931	1/2	574	1/2	216	1/2		1/2		1/2			
3/4	1,997	3/4	1,639	3/4	1,281	3/4	924	3/4	566	3/4	209	3/4		3/4		3/4			
11	1,990	11	1,632	11	1,274	11	916	11	559	11	201	11		11		11			
1/4	1,982	1/4	1,624	1/4	1,267	1/4	909	1/4	551	1/4	194	1/4		1/4		1/4			
1/2	1,975	1/2	1,617	1/2	1,259	1/2	902	1/2	544	1/2	186	1/2		1/2		1/2			
3/4	1,967	3/4	1,609	3/4	1,252	3/4	894	3/4	537	3/4	179	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/27/2015 CL
CALCULATED: 01/28/2015 CL
PRINTED: 01/28/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2015

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