



BARGE "DBL 311"

ULLAGE TRIM TABLE

	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	- 00-5/8	00-5/8	- 01-1/4	01-1/4	- 01-7/8	01-7/8	- 02-1/2	02-1/2	- 03-1/8	03-1/8	- 03-3/4	03-3/4
1 STBD	- 00-5/8	00-5/8	- 01-1/4	01-1/4	- 01-7/8	01-7/8	- 02-1/2	02-1/2	- 03-1/8	03-1/8	- 03-3/4	03-3/4
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	00-3/4	- 00-3/4	00-7/8	- 00-7/8
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	00-7/8	- 00-7/8
3 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
3 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 213'-04"

May 11, 2019

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 311"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,916.49	0	1,581.21	0	1,245.93	0	916.90	0	586.73	0	251.47	0		0		0		0	
1/4	1,909.50	1/4	1,574.22	1/4	1,238.94	1/4	910.20	1/4	579.75	1/4	244.48	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,902.52	1/2	1,567.24	1/2	1,231.96	1/2	903.49	1/2	572.76	1/2	237.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,895.53	3/4	1,560.25	3/4	1,224.97	3/4	896.79	3/4	565.78	3/4	230.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,888.55	1	1,553.27	1	1,217.99	1	890.09	1	558.80	1	223.53	1	1	1	1	1	1	1	1
1/4	1,881.56	1/4	1,546.28	1/4	1,211.00	1/4	883.39	1/4	551.81	1/4	216.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,874.58	1/2	1,539.30	1/2	1,204.02	1/2	876.69	1/2	544.83	1/2	209.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,867.59	3/4	1,532.31	3/4	1,197.03	3/4	869.99	3/4	537.84	3/4	202.58	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,860.61	2	1,525.33	2	1,190.05	2	863.29	2	530.86	2	195.59	2	2	2	2	2	2	2	2
1/4	1,853.62	1/4	1,518.34	1/4	1,183.06	1/4	856.59	1/4	523.87	1/4	188.61	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,846.64	1/2	1,511.36	1/2	1,176.08	1/2	849.89	1/2	516.89	1/2	181.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,839.65	3/4	1,504.37	3/4	1,169.09	3/4	843.19	3/4	509.90	3/4	174.64	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,832.67	3	1,497.39	3	1,162.11	3	836.48	3	502.92	3	167.65	3	3	3	3	3	3	3	3
1/4	1,825.68	1/4	1,490.40	1/4	1,155.12	1/4	829.78	1/4	495.93	1/4	160.67	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,818.70	1/2	1,483.42	1/2	1,148.14	1/2	823.08	1/2	488.95	1/2	153.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,811.71	3/4	1,476.43	3/4	1,141.15	3/4	816.38	3/4	481.96	3/4	146.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,804.73	4	1,469.45	4	1,134.17	4	809.68	4	474.98	4	139.73	4	4	4	4	4	4	4	4
1/4	1,797.74	1/4	1,462.46	1/4	1,127.18	1/4	802.84	1/4	467.99	1/4	132.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,790.76	1/2	1,455.48	1/2	1,120.20	1/2	795.99	1/2	461.01	1/2	125.79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,783.77	3/4	1,448.49	3/4	1,113.21	3/4	789.15	3/4	454.02	3/4	118.82	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,776.79	5	1,441.51	5	1,106.23	5	782.31	5	447.04	5	111.85	5	5	5	5	5	5	5	5
1/4	1,769.80	1/4	1,434.52	1/4	1,099.24	1/4	775.32	1/4	440.06	1/4	104.90	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,762.82	1/2	1,427.54	1/2	1,092.26	1/2	768.34	1/2	433.07	1/2	97.95	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,755.83	3/4	1,420.55	3/4	1,085.27	3/4	761.35	3/4	426.09	3/4	91.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,748.85	6	1,413.57	6	1,078.29	6	754.37	6	419.10	6	84.05	6	6	6	6	6	6	6	6
1/4	1,741.86	1/4	1,406.58	1/4	1,071.45	1/4	747.38	1/4	412.12	1/4	77.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,734.88	1/2	1,399.60	1/2	1,064.60	1/2	740.40	1/2	405.13	1/2	70.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,727.89	3/4	1,392.61	3/4	1,057.76	3/4	733.41	3/4	398.15	3/4	64.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,720.91	7	1,385.63	7	1,050.92	7	726.43	7	391.16	7	57.61	7	7	7	7	7	7	7	7
1/4	1,713.92	1/4	1,378.64	1/4	1,044.22	1/4	719.44	1/4	384.18	1/4	52.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,706.94	1/2	1,371.66	1/2	1,037.51	1/2	712.46	1/2	377.19	1/2	46.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,699.95	3/4	1,364.67	3/4	1,030.81	3/4	705.47	3/4	370.21	3/4	40.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,692.97	8	1,357.69	8	1,024.11	8	698.49	8	363.22	8	35.27	8	8	8	8	8	8	8	8
1/4	1,685.98	1/4	1,350.70	1/4	1,017.41	1/4	691.50	1/4	356.24	1/4	31.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,679.00	1/2	1,343.72	1/2	1,010.71	1/2	684.52	1/2	349.25	1/2	26.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,672.01	3/4	1,336.73	3/4	1,004.01	3/4	677.54	3/4	342.27	3/4	22.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,665.03	9	1,329.75	9	997.31	9	670.55	9	335.28	9	18.51	9	9	9	9	9	9	9	9
1/4	1,658.04	1/4	1,322.76	1/4	990.61	1/4	663.57	1/4	328.30	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,651.06	1/2	1,315.78	1/2	983.91	1/2	656.58	1/2	321.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,644.07	3/4	1,308.79	3/4	977.21	3/4	649.60	3/4	314.33	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,637.09	10	1,301.81	10	970.50	10	642.61	10	307.35	10		10	10	10	10	10	10	10	10
1/4	1,630.10	1/4	1,294.82	1/4	963.80	1/4	635.63	1/4	300.36	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,623.12	1/2	1,287.84	1/2	957.10	1/2	628.64	1/2	293.38	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,616.13	3/4	1,280.85	3/4	950.40	3/4	621.66	3/4	286.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,609.15	11	1,273.87	11	943.70	11	614.67	11	279.41	11		11	11	11	11	11	11	11	11
1/4	1,602.16	1/4	1,266.88	1/4	937.00	1/4	607.69	1/4	272.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,595.18	1/2	1,259.90	1/2	930.30	1/2	600.70	1/2	265.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,588.19	3/4	1,252.91	3/4	923.60	3/4	593.72	3/4	258.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2019 JS
CALCULATED: 05/11/2019 CL
PRINTED: 05/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

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



BARGE "DBL 311"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,903.09	0	1,569.08	0	1,235.07	0	911.52	0	585.92	0	251.21	0		0		0		0	
1/4	1,896.13	1/4	1,562.12	1/4	1,228.11	1/4	904.98	1/4	578.95	1/4	244.24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,889.18	1/2	1,555.16	1/2	1,221.15	1/2	898.44	1/2	571.97	1/2	237.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,882.22	3/4	1,548.20	3/4	1,214.19	3/4	891.91	3/4	565.00	3/4	230.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,875.26	1	1,541.25	1	1,207.23	1	885.37	1	558.03	1	223.32	1	1	1	1	1	1	1	1
1/4	1,868.30	1/4	1,534.29	1/4	1,200.27	1/4	878.83	1/4	551.05	1/4	216.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,861.34	1/2	1,527.33	1/2	1,193.32	1/2	872.29	1/2	544.08	1/2	209.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,854.38	3/4	1,520.37	3/4	1,186.36	3/4	865.75	3/4	537.11	3/4	202.40	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,847.42	2	1,513.41	2	1,179.40	2	859.22	2	530.13	2	195.43	2	2	2	2	2	2	2	2
1/4	1,840.47	1/4	1,506.45	1/4	1,172.44	1/4	852.68	1/4	523.16	1/4	188.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,833.51	1/2	1,499.49	1/2	1,165.48	1/2	846.14	1/2	516.19	1/2	181.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,826.55	3/4	1,492.54	3/4	1,158.52	3/4	839.60	3/4	509.22	3/4	174.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,819.59	3	1,485.58	3	1,151.56	3	833.06	3	502.24	3	167.54	3	3	3	3	3	3	3	3
1/4	1,812.63	1/4	1,478.62	1/4	1,144.61	1/4	826.53	1/4	495.27	1/4	160.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,805.67	1/2	1,471.66	1/2	1,137.65	1/2	819.99	1/2	488.30	1/2	153.60	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,798.71	3/4	1,464.70	3/4	1,130.69	3/4	813.45	3/4	481.32	3/4	146.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,791.75	4	1,457.74	4	1,123.73	4	806.91	4	474.35	4	139.66	4	4	4	4	4	4	4	4
1/4	1,784.80	1/4	1,450.78	1/4	1,116.77	1/4	800.32	1/4	467.38	1/4	132.70	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,777.84	1/2	1,443.83	1/2	1,109.81	1/2	793.72	1/2	460.40	1/2	125.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,770.88	3/4	1,436.87	3/4	1,102.85	3/4	787.12	3/4	453.43	3/4	118.78	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,763.92	5	1,429.91	5	1,095.90	5	780.53	5	446.46	5	111.82	5	5	5	5	5	5	5	5
1/4	1,756.96	1/4	1,422.95	1/4	1,089.09	1/4	773.71	1/4	439.48	1/4	104.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,750.00	1/2	1,415.99	1/2	1,082.28	1/2	766.90	1/2	432.51	1/2	97.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,743.04	3/4	1,409.03	3/4	1,075.47	3/4	760.09	3/4	425.54	3/4	90.99	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,736.09	6	1,402.07	6	1,068.67	6	753.27	6	418.57	6	84.05	6	6	6	6	6	6	6	6
1/4	1,729.13	1/4	1,395.11	1/4	1,062.07	1/4	746.30	1/4	411.59	1/4	77.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,722.17	1/2	1,388.16	1/2	1,055.47	1/2	739.33	1/2	404.62	1/2	70.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,715.21	3/4	1,381.20	3/4	1,048.87	3/4	732.35	3/4	397.65	3/4	64.22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,708.25	7	1,374.24	7	1,042.28	7	725.38	7	390.67	7	57.61	7	7	7	7	7	7	7	7
1/4	1,701.29	1/4	1,367.28	1/4	1,035.74	1/4	718.41	1/4	383.70	1/4	52.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,694.33	1/2	1,360.32	1/2	1,029.20	1/2	711.44	1/2	376.73	1/2	46.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,687.38	3/4	1,353.36	3/4	1,022.66	3/4	704.46	3/4	369.75	3/4	40.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,680.42	8	1,346.40	8	1,016.13	8	697.49	8	362.78	8	35.27	8	8	8	8	8	8	8	8
1/4	1,673.46	1/4	1,339.45	1/4	1,009.59	1/4	690.52	1/4	355.81	1/4	31.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,666.50	1/2	1,332.49	1/2	1,003.05	1/2	683.54	1/2	348.83	1/2	26.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,659.54	3/4	1,325.53	3/4	996.51	3/4	676.57	3/4	341.86	3/4	22.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,652.58	9	1,318.57	9	989.97	9	669.60	9	334.89	9	18.51	9	9	9	9	9	9	9	9
1/4	1,645.62	1/4	1,311.61	1/4	983.44	1/4	662.62	1/4	327.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,638.67	1/2	1,304.65	1/2	976.90	1/2	655.65	1/2	320.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,631.71	3/4	1,297.69	3/4	970.36	3/4	648.68	3/4	313.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,624.75	10	1,290.74	10	963.82	10	641.70	10	307.00	10		10	10	10	10	10	10	10	10
1/4	1,617.79	1/4	1,283.78	1/4	957.28	1/4	634.73	1/4	300.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,610.83	1/2	1,276.82	1/2	950.75	1/2	627.76	1/2	293.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,603.87	3/4	1,269.86	3/4	944.21	3/4	620.79	3/4	286.08	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,596.91	11	1,262.90	11	937.67	11	613.81	11	279.10	11		11	11	11	11	11	11	11	11
1/4	1,589.96	1/4	1,255.94	1/4	931.13	1/4	606.84	1/4	272.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,583.00	1/2	1,248.98	1/2	924.60	1/2	599.87	1/2	265.16	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,576.04	3/4	1,242.03	3/4	918.06	3/4	592.89	3/4	258.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2019 JS
CALCULATED: 05/11/2019 CL
PRINTED: 05/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

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



BARGE "DBL 311"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,599.82	0	1,321.47	0	1,043.11	0	765.10	0	487.17	0	208.83	0		0		0		0	
1/4	1,594.02	1/4	1,315.67	1/4	1,037.31	1/4	759.32	1/4	481.38	1/4	203.03	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,588.22	1/2	1,309.87	1/2	1,031.51	1/2	753.54	1/2	475.58	1/2	197.23	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,582.43	3/4	1,304.07	3/4	1,025.71	3/4	747.76	3/4	469.78	3/4	191.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,576.63	1	1,298.27	1	1,019.91	1	741.98	1	463.98	1	185.64	1	1	1	1	1	1	1	1
1/4	1,570.83	1/4	1,292.47	1/4	1,014.11	1/4	736.20	1/4	458.18	1/4	179.84	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,565.03	1/2	1,286.67	1/2	1,008.31	1/2	730.43	1/2	452.38	1/2	174.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,559.23	3/4	1,280.87	3/4	1,002.52	3/4	724.65	3/4	446.58	3/4	168.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,553.43	2	1,275.07	2	996.72	2	718.87	2	440.78	2	162.44	2	2	2	2	2	2	2	2
1/4	1,547.63	1/4	1,269.27	1/4	990.92	1/4	713.09	1/4	434.99	1/4	156.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,541.83	1/2	1,263.48	1/2	985.12	1/2	707.31	1/2	429.19	1/2	150.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,536.03	3/4	1,257.68	3/4	979.32	3/4	701.53	3/4	423.39	3/4	145.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,530.23	3	1,251.88	3	973.52	3	695.75	3	417.59	3	139.25	3	3	3	3	3	3	3	3
1/4	1,524.43	1/4	1,246.08	1/4	967.72	1/4	689.97	1/4	411.79	1/4	133.45	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,518.64	1/2	1,240.28	1/2	961.92	1/2	684.19	1/2	405.99	1/2	127.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,512.84	3/4	1,234.48	3/4	956.12	3/4	678.41	3/4	400.19	3/4	121.86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,507.04	4	1,228.68	4	950.32	4	672.63	4	394.39	4	116.07	4	4	4	4	4	4	4	4
1/4	1,501.24	1/4	1,222.88	1/4	944.52	1/4	666.85	1/4	388.60	1/4	110.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,495.44	1/2	1,217.08	1/2	938.73	1/2	661.07	1/2	382.80	1/2	104.49	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,489.64	3/4	1,211.28	3/4	932.93	3/4	655.29	3/4	377.00	3/4	98.70	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,483.84	5	1,205.48	5	927.13	5	649.51	5	371.20	5	92.92	5	5	5	5	5	5	5	5
1/4	1,478.04	1/4	1,199.69	1/4	921.33	1/4	643.72	1/4	365.40	1/4	87.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,472.24	1/2	1,193.89	1/2	915.53	1/2	637.93	1/2	359.60	1/2	81.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,466.44	3/4	1,188.09	3/4	909.73	3/4	632.14	3/4	353.80	3/4	75.61	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,460.64	6	1,182.29	6	903.93	6	626.35	6	348.00	6	69.84	6	6	6	6	6	6	6	6
1/4	1,454.85	1/4	1,176.49	1/4	898.13	1/4	620.55	1/4	342.20	1/4	64.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,449.05	1/2	1,170.69	1/2	892.33	1/2	614.75	1/2	336.41	1/2	58.87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,443.25	3/4	1,164.89	3/4	886.54	3/4	608.95	3/4	330.61	3/4	53.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,437.45	7	1,159.09	7	880.74	7	603.15	7	324.81	7	47.89	7	7	7	7	7	7	7	7
1/4	1,431.65	1/4	1,153.29	1/4	874.95	1/4	597.35	1/4	319.01	1/4	43.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,425.85	1/2	1,147.49	1/2	869.16	1/2	591.55	1/2	313.21	1/2	38.62	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,420.05	3/4	1,141.69	3/4	863.37	3/4	585.75	3/4	307.41	3/4	33.98	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,414.25	8	1,135.90	8	857.58	8	579.96	8	301.61	8	29.34	8	8	8	8	8	8	8	8
1/4	1,408.45	1/4	1,130.10	1/4	851.80	1/4	574.16	1/4	295.81	1/4	25.86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,402.65	1/2	1,124.30	1/2	846.02	1/2	568.36	1/2	290.02	1/2	22.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,396.85	3/4	1,118.50	3/4	840.24	3/4	562.56	3/4	284.22	3/4	18.91	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,391.06	9	1,112.70	9	834.46	9	556.76	9	278.42	9	15.43	9	9	9	9	9	9	9	9
1/4	1,385.26	1/4	1,106.90	1/4	828.68	1/4	550.96	1/4	272.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,379.46	1/2	1,101.10	1/2	822.90	1/2	545.16	1/2	266.82	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,373.66	3/4	1,095.30	3/4	817.12	3/4	539.36	3/4	261.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,367.86	10	1,089.50	10	811.34	10	533.57	10	255.22	10		10	10	10	10	10	10	10	10
1/4	1,362.06	1/4	1,083.70	1/4	805.56	1/4	527.77	1/4	249.42	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,356.26	1/2	1,077.90	1/2	799.78	1/2	521.97	1/2	243.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,350.46	3/4	1,072.11	3/4	794.00	3/4	516.17	3/4	237.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,344.66	11	1,066.31	11	788.22	11	510.37	11	232.03	11		11	11	11	11	11	11	11	11
1/4	1,338.86	1/4	1,060.51	1/4	782.44	1/4	504.57	1/4	226.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,333.06	1/2	1,054.71	1/2	776.66	1/2	498.77	1/2	220.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,327.27	3/4	1,048.91	3/4	770.88	3/4	492.97	3/4	214.63	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2019 JS
CALCULATED: 05/11/2019 CL
PRINTED: 05/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

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



BARGE "DBL 311"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	4,040.11	0	3,798.28	0	3,534.25	0	3,257.76	0	2,979.12	0	2,700.47	0	2,421.83	0	2,143.18	0	1,864.54	
1/4	1/4	4,036.89	1/4	3,792.93	1/4	3,528.60	1/4	3,251.95	1/4	2,973.31	1/4	2,694.67	1/4	2,416.02	1/4	2,137.38	1/4	1,858.73	
1/2	1/2	4,033.66	1/2	3,787.59	1/2	3,522.95	1/2	3,246.15	1/2	2,967.50	1/2	2,688.86	1/2	2,410.22	1/2	2,131.57	1/2	1,852.93	
3/4	3/4	4,029.61	3/4	3,782.22	3/4	3,517.28	3/4	3,240.34	3/4	2,961.70	3/4	2,683.06	3/4	2,404.41	3/4	2,125.77	3/4	1,847.12	
1	1	4,025.56	1	3,776.85	1	3,511.61	1	3,234.54	1	2,955.89	1	2,677.25	1	2,398.61	1	2,119.96	1	1,841.32	
1/4	1/4	4,021.51	1/4	3,771.49	1/4	3,505.93	1/4	3,228.73	1/4	2,950.09	1/4	2,671.44	1/4	2,392.80	1/4	2,114.16	1/4	1,835.51	
1/2	1/2	4,017.45	1/2	3,766.12	1/2	3,500.26	1/2	3,222.93	1/2	2,944.28	1/2	2,665.64	1/2	2,386.99	1/2	2,108.35	1/2	1,829.71	
3/4	3/4	4,012.54	3/4	3,760.73	3/4	3,494.56	3/4	3,217.12	3/4	2,938.48	3/4	2,659.83	3/4	2,381.19	3/4	2,102.55	3/4	1,823.90	
2	2	4,007.64	2	3,755.35	2	3,488.87	2	3,211.32	2	2,932.67	2	2,654.03	2	2,375.38	2	2,096.74	2	1,818.10	
1/4	1/4	4,002.73	1/4	3,749.96	1/4	3,483.18	1/4	3,205.51	1/4	2,926.87	1/4	2,648.22	1/4	2,369.58	1/4	2,090.93	1/4	1,812.29	
1/2	1/2	3,997.82	1/2	3,744.57	1/2	3,477.48	1/2	3,199.71	1/2	2,921.06	1/2	2,642.42	1/2	2,363.77	1/2	2,085.13	1/2	1,806.48	
3/4	3/4	3,992.57	3/4	3,739.16	3/4	3,471.76	3/4	3,193.90	3/4	2,915.26	3/4	2,636.61	3/4	2,357.97	3/4	2,079.32	3/4	1,800.68	
3	3	3,987.31	3	3,733.75	3	3,466.05	3	3,188.10	3	2,909.45	3	2,630.81	3	2,352.16	3	2,073.52	3	1,794.87	
1/4	1/4	3,982.06	1/4	3,728.34	1/4	3,460.33	1/4	3,182.29	1/4	2,903.65	1/4	2,625.00	1/4	2,346.36	1/4	2,067.71	1/4	1,789.07	
1/2	1/2	3,976.81	1/2	3,722.94	1/2	3,454.61	1/2	3,176.49	1/2	2,897.84	1/2	2,619.20	1/2	2,340.55	1/2	2,061.91	1/2	1,783.26	
3/4	3/4	3,971.64	3/4	3,717.50	3/4	3,448.87	3/4	3,170.68	3/4	2,892.04	3/4	2,613.39	3/4	2,334.75	3/4	2,056.10	3/4	1,777.46	
4	4	3,966.47	4	3,712.07	4	3,443.14	4	3,164.88	4	2,886.23	4	2,607.59	4	2,328.94	4	2,050.30	4	1,771.65	
1/4	1/4	3,961.30	1/4	3,706.64	1/4	3,437.40	1/4	3,159.07	1/4	2,880.43	1/4	2,601.78	1/4	2,323.14	1/4	2,044.49	1/4	1,765.85	
1/2	1/2	3,956.14	1/2	3,701.21	1/2	3,431.66	1/2	3,153.27	1/2	2,874.62	1/2	2,595.98	1/2	2,317.33	1/2	2,038.69	1/2	1,760.04	
3/4	3/4	3,950.95	3/4	3,695.74	3/4	3,425.90	3/4	3,147.46	3/4	2,868.82	3/4	2,590.17	3/4	2,311.53	3/4	2,032.88	3/4	1,754.24	
5	5	3,945.76	5	3,690.26	5	3,420.14	5	3,141.66	5	2,863.01	5	2,584.37	5	2,305.72	5	2,027.08	5	1,748.43	
1/4	1/4	3,940.57	1/4	3,684.79	1/4	3,414.37	1/4	3,135.85	1/4	2,857.21	1/4	2,578.56	1/4	2,299.92	1/4	2,021.27	1/4	1,742.63	
1/2	1/2	3,935.38	1/2	3,679.31	1/2	3,408.61	1/2	3,130.05	1/2	2,851.40	1/2	2,572.76	1/2	2,294.11	1/2	2,015.47	1/2	1,736.82	
3/4	3/4	3,930.16	3/4	3,673.80	3/4	3,402.83	3/4	3,124.24	3/4	2,845.60	3/4	2,566.95	3/4	2,288.31	3/4	2,009.66	3/4	1,731.02	
6	6	3,924.95	6	3,668.28	6	3,397.05	6	3,118.44	6	2,839.79	6	2,561.15	6	2,282.50	6	2,003.86	6	1,725.21	
1/4	1/4	3,919.74	1/4	3,662.76	1/4	3,391.26	1/4	3,112.63	1/4	2,833.99	1/4	2,555.34	1/4	2,276.70	1/4	1,998.05	1/4	1,719.41	
1/2	1/2	3,914.53	1/2	3,657.24	1/2	3,385.48	1/2	3,106.83	1/2	2,828.18	1/2	2,549.54	1/2	2,270.89	1/2	1,992.25	1/2	1,713.60	
3/4	3/4	3,909.29	3/4	3,651.70	3/4	3,379.67	3/4	3,101.02	3/4	2,822.38	3/4	2,543.73	3/4	2,265.09	3/4	1,986.44	3/4	1,707.80	
7	7	3,904.06	7	3,646.16	7	3,373.87	7	3,095.22	7	2,816.57	7	2,537.93	7	2,259.28	7	1,980.64	7	1,701.99	
1/4	1/4	3,898.83	1/4	3,640.62	1/4	3,368.06	1/4	3,089.41	1/4	2,810.77	1/4	2,532.12	1/4	2,253.48	1/4	1,974.83	1/4	1,696.19	
1/2	1/2	3,893.59	1/2	3,635.08	1/2	3,362.25	1/2	3,083.61	1/2	2,804.96	1/2	2,526.32	1/2	2,247.67	1/2	1,969.03	1/2	1,690.38	
3/4	3/4	3,888.34	3/4	3,629.52	3/4	3,356.45	3/4	3,077.80	3/4	2,799.16	3/4	2,520.51	3/4	2,241.87	3/4	1,963.22	3/4	1,684.58	
8	8	3,883.08	8	3,623.96	8	3,350.64	8	3,072.00	8	2,793.35	8	2,514.71	8	2,236.06	8	1,957.42	8	1,678.77	
1/4	1/4	3,877.82	1/4	3,618.39	1/4	3,344.84	1/4	3,066.19	1/4	2,787.55	1/4	2,508.90	1/4	2,230.26	1/4	1,951.61	1/4	1,672.97	
1/2	1/2	3,872.57	1/2	3,612.83	1/2	3,339.03	1/2	3,060.39	1/2	2,781.74	1/2	2,503.10	1/2	2,224.45	1/2	1,945.81	1/2	1,667.16	
3/4	3/4	3,867.29	3/4	3,607.25	3/4	3,333.23	3/4	3,054.58	3/4	2,775.94	3/4	2,497.29	3/4	2,218.65	3/4	1,940.00	3/4	1,661.36	
9	9	3,862.01	9	3,601.66	9	3,327.42	9	3,048.78	9	2,770.13	9	2,491.49	9	2,212.84	9	1,934.20	9	1,655.55	
1/4	1/4	3,856.73	1/4	3,596.08	1/4	3,321.62	1/4	3,042.97	1/4	2,764.33	1/4	2,485.68	1/4	2,207.04	1/4	1,928.39	1/4	1,649.75	
1/2	1/2	3,851.46	1/2	3,590.49	1/2	3,315.81	1/2	3,037.17	1/2	2,758.52	1/2	2,479.88	1/2	2,201.23	1/2	1,922.59	1/2	1,643.94	
3/4	3/4	3,846.16	3/4	3,584.89	3/4	3,310.01	3/4	3,031.36	3/4	2,752.72	3/4	2,474.07	3/4	2,195.43	3/4	1,916.78	3/4	1,638.14	
10	10	3,840.86	10	3,579.28	10	3,304.20	10	3,025.56	10	2,746.91	10	2,468.27	10	2,189.62	10	1,910.98	10	1,632.33	
1/4	1/4	3,835.55	1/4	3,573.67	1/4	3,298.40	1/4	3,019.75	1/4	2,741.11	1/4	2,462.46	1/4	2,183.82	1/4	1,905.17	1/4	1,626.53	
1/2	1/2	3,830.25	1/2	3,568.07	1/2	3,292.59	1/2	3,013.95	1/2	2,735.30	1/2	2,456.66	1/2	2,178.01	1/2	1,899.37	1/2	1,620.72	
3/4	3/4	3,824.93	3/4	3,562.44	3/4	3,286.79	3/4	3,008.14	3/4	2,729.50	3/4	2,450.85	3/4	2,172.21	3/4	1,893.56	3/4	1,614.92	
11	11	3,819.61	11	3,556.81	11	3,280.98	11	3,002.34	11	2,723.69	11	2,445.05	11	2,166.40	11	1,887.76	11	1,609.11	
1/4	1/4	3,814.29	1/4	3,551.18	1/4	3,275.18	1/4	2,996.53	1/4	2,717.89	1/4	2,439.24	1/4	2,160.60	1/4	1,881.95	1/4	1,603.31	
1/2	1/2	3,808.96	1/2	3,545.55	1/2	3,269.37	1/2	2,990.73	1/2	2,712.08	1/2	2,433.44	1/2	2,154.79	1/2	1,876.15	1/2	1,597.50	
3/4	3/4	4,043.33	3/4	3,803.62	3/4	3,539.90	3/4	3,263.57	3/4	2,984.92	3/4	2,706.28	3/4	2,427.63	3/4	2,148.99	3/4	1,591.70	

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 TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 35'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "DBL 311"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,585.89	0	1,307.25	0	1,028.60	0	752.74	0	476.07	0	197.44	0		0		0		0	
1/4	1,580.09	1/4	1,301.44	1/4	1,022.80	1/4	747.03	1/4	470.27	1/4	191.63	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,574.28	1/2	1,295.64	1/2	1,016.99	1/2	741.33	1/2	464.46	1/2	185.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,568.48	3/4	1,289.83	3/4	1,011.19	3/4	735.63	3/4	458.66	3/4	180.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,562.67	1	1,284.03	1	1,005.38	1	729.92	1	452.85	1	174.22	1	1	1	1	1	1	1	1
1/4	1,556.87	1/4	1,278.22	1/4	999.58	1/4	724.22	1/4	447.05	1/4	168.42	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,551.06	1/2	1,272.42	1/2	993.77	1/2	718.51	1/2	441.24	1/2	162.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,545.26	3/4	1,266.61	3/4	987.97	3/4	712.81	3/4	435.44	3/4	156.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,539.45	2	1,260.81	2	982.16	2	707.11	2	429.63	2	151.00	2	2	2	2	2	2	2	2
1/4	1,533.65	1/4	1,255.00	1/4	976.36	1/4	701.40	1/4	423.83	1/4	145.20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,527.84	1/2	1,249.20	1/2	970.55	1/2	695.70	1/2	418.02	1/2	139.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,522.03	3/4	1,243.39	3/4	964.75	3/4	689.99	3/4	412.22	3/4	133.59	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,516.23	3	1,237.59	3	958.94	3	684.29	3	406.41	3	127.79	3	3	3	3	3	3	3	3
1/4	1,510.42	1/4	1,231.78	1/4	953.14	1/4	678.59	1/4	400.61	1/4	121.99	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,504.62	1/2	1,225.97	1/2	947.33	1/2	672.88	1/2	394.80	1/2	116.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,498.81	3/4	1,220.17	3/4	941.52	3/4	667.17	3/4	389.00	3/4	110.39	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,493.01	4	1,214.36	4	935.72	4	661.46	4	383.19	4	104.60	4	4	4	4	4	4	4	4
1/4	1,487.20	1/4	1,208.56	1/4	929.91	1/4	655.75	1/4	377.39	1/4	98.81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,481.40	1/2	1,202.75	1/2	924.11	1/2	650.04	1/2	371.58	1/2	93.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,475.59	3/4	1,196.95	3/4	918.35	3/4	644.28	3/4	365.78	3/4	87.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,469.79	5	1,191.14	5	912.59	5	638.52	5	359.97	5	81.46	5	5	5	5	5	5	5	5
1/4	1,463.98	1/4	1,185.34	1/4	906.83	1/4	632.76	1/4	354.17	1/4	75.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,458.18	1/2	1,179.53	1/2	901.07	1/2	626.99	1/2	348.36	1/2	69.91	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,452.37	3/4	1,173.73	3/4	895.36	3/4	621.19	3/4	342.56	3/4	64.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,446.57	6	1,167.92	6	889.65	6	615.39	6	336.75	6	58.93	6	6	6	6	6	6	6	6
1/4	1,440.76	1/4	1,162.12	1/4	883.94	1/4	609.58	1/4	330.95	1/4	53.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,434.96	1/2	1,156.31	1/2	878.23	1/2	603.78	1/2	325.15	1/2	47.94	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,429.15	3/4	1,150.51	3/4	872.52	3/4	597.97	3/4	319.34	3/4	43.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,423.35	7	1,144.70	7	866.82	7	592.17	7	313.54	7	38.66	7	7	7	7	7	7	7	7
1/4	1,417.54	1/4	1,138.90	1/4	861.11	1/4	586.36	1/4	307.73	1/4	34.02	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,411.74	1/2	1,133.09	1/2	855.41	1/2	580.56	1/2	301.93	1/2	29.37	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,405.93	3/4	1,127.29	3/4	849.71	3/4	574.75	3/4	296.12	3/4	25.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,400.13	8	1,121.48	8	844.00	8	568.95	8	290.32	8	22.41	8	8	8	8	8	8	8	8
1/4	1,394.32	1/4	1,115.68	1/4	838.30	1/4	563.14	1/4	284.51	1/4	18.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,388.52	1/2	1,109.87	1/2	832.59	1/2	557.34	1/2	278.71	1/2	15.44	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,382.71	3/4	1,104.07	3/4	826.89	3/4	551.53	3/4	272.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,376.91	9	1,098.26	9	821.19	9	545.73	9	267.10	9		9	9	9	9	9	9	9	9
1/4	1,371.10	1/4	1,092.46	1/4	815.48	1/4	539.92	1/4	261.29	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,365.30	1/2	1,086.65	1/2	809.78	1/2	534.12	1/2	255.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,359.49	3/4	1,080.85	3/4	804.07	3/4	528.31	3/4	249.68	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,353.69	10	1,075.04	10	798.37	10	522.51	10	243.88	10		10	10	10	10	10	10	10	10
1/4	1,347.88	1/4	1,069.24	1/4	792.67	1/4	516.70	1/4	238.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,342.08	1/2	1,063.43	1/2	786.96	1/2	510.90	1/2	232.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,336.27	3/4	1,057.63	3/4	781.26	3/4	505.09	3/4	226.46	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,330.47	11	1,051.82	11	775.55	11	499.29	11	220.66	11		11	11	11	11	11	11	11	11
1/4	1,324.66	1/4	1,046.02	1/4	769.85	1/4	493.48	1/4	214.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,318.86	1/2	1,040.21	1/2	764.15	1/2	487.68	1/2	209.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,313.05	3/4	1,034.41	3/4	758.44	3/4	481.87	3/4	203.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/10/2019 JS
CALCULATED: 05/11/2019 CL
PRINTED: 05/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2019

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



BARGE "DBL 311"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,592.83	0	1,315.69	0	1,038.55	0	761.84	0	485.05	0	207.93	0		0		0		0	
1/4	1,587.05	1/4	1,309.92	1/4	1,032.78	1/4	756.08	1/4	479.28	1/4	202.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,581.28	1/2	1,304.14	1/2	1,027.01	1/2	750.33	1/2	473.51	1/2	196.38	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,575.51	3/4	1,298.37	3/4	1,021.23	3/4	744.58	3/4	467.73	3/4	190.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,569.73	1	1,292.60	1	1,015.46	1	738.82	1	461.96	1	184.83	1	1	1	1	1	1	1	1
1/4	1,563.96	1/4	1,286.82	1/4	1,009.68	1/4	733.07	1/4	456.19	1/4	179.06	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,558.19	1/2	1,281.05	1/2	1,003.91	1/2	727.31	1/2	450.41	1/2	173.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,552.41	3/4	1,275.28	3/4	998.14	3/4	721.56	3/4	444.64	3/4	167.51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,546.64	2	1,269.50	2	992.36	2	715.80	2	438.87	2	161.74	2	2	2	2	2	2	2	2
1/4	1,540.87	1/4	1,263.73	1/4	986.59	1/4	710.05	1/4	433.09	1/4	155.96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,535.09	1/2	1,257.95	1/2	980.82	1/2	704.29	1/2	427.32	1/2	150.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,529.32	3/4	1,252.18	3/4	975.04	3/4	698.54	3/4	421.54	3/4	144.42	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,523.54	3	1,246.41	3	969.27	3	692.79	3	415.77	3	138.64	3	3	3	3	3	3	3	3
1/4	1,517.77	1/4	1,240.63	1/4	963.50	1/4	687.03	1/4	410.00	1/4	132.87	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,512.00	1/2	1,234.86	1/2	957.72	1/2	681.28	1/2	404.22	1/2	127.10	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,506.22	3/4	1,229.09	3/4	951.95	3/4	675.52	3/4	398.45	3/4	121.33	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,500.45	4	1,223.31	4	946.17	4	669.77	4	392.68	4	115.56	4	4	4	4	4	4	4	4
1/4	1,494.68	1/4	1,217.54	1/4	940.40	1/4	664.00	1/4	386.90	1/4	109.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,488.90	1/2	1,211.76	1/2	934.63	1/2	658.24	1/2	381.13	1/2	104.04	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,483.13	3/4	1,205.99	3/4	928.85	3/4	652.48	3/4	375.36	3/4	98.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,477.35	5	1,200.22	5	923.08	5	646.71	5	369.58	5	92.52	5	5	5	5	5	5	5	5
1/4	1,471.58	1/4	1,194.44	1/4	917.31	1/4	640.94	1/4	363.81	1/4	86.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,465.81	1/2	1,188.67	1/2	911.53	1/2	635.16	1/2	358.04	1/2	81.03	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,460.03	3/4	1,182.90	3/4	905.76	3/4	629.39	3/4	352.26	3/4	75.28	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,454.26	6	1,177.12	6	899.98	6	623.62	6	346.49	6	69.54	6	6	6	6	6	6	6	6
1/4	1,448.49	1/4	1,171.35	1/4	894.22	1/4	617.84	1/4	340.72	1/4	64.08	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,442.71	1/2	1,165.57	1/2	888.46	1/2	612.07	1/2	334.94	1/2	58.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,436.94	3/4	1,159.80	3/4	882.69	3/4	606.30	3/4	329.17	3/4	53.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,431.16	7	1,154.03	7	876.93	7	600.52	7	323.40	7	47.69	7	7	7	7	7	7	7	7
1/4	1,425.39	1/4	1,148.25	1/4	871.17	1/4	594.75	1/4	317.62	1/4	43.07	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,419.62	1/2	1,142.48	1/2	865.42	1/2	588.98	1/2	311.85	1/2	38.45	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,413.84	3/4	1,136.71	3/4	859.67	3/4	583.20	3/4	306.07	3/4	33.84	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,408.07	8	1,130.93	8	853.91	8	577.43	8	300.30	8	29.22	8	8	8	8	8	8	8	8
1/4	1,402.30	1/4	1,125.16	1/4	848.16	1/4	571.66	1/4	294.53	1/4	25.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,396.52	1/2	1,119.39	1/2	842.40	1/2	565.88	1/2	288.75	1/2	22.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,390.75	3/4	1,113.61	3/4	836.65	3/4	560.11	3/4	282.98	3/4	18.83	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,384.98	9	1,107.84	9	830.89	9	554.34	9	277.21	9	15.37	9	9	9	9	9	9	9	9
1/4	1,379.20	1/4	1,102.06	1/4	825.14	1/4	548.56	1/4	271.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,373.43	1/2	1,096.29	1/2	819.38	1/2	542.79	1/2	265.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,367.65	3/4	1,090.52	3/4	813.63	3/4	537.01	3/4	259.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,361.88	10	1,084.74	10	807.88	10	531.24	10	254.11	10		10	10	10	10	10	10	10	10
1/4	1,356.11	1/4	1,078.97	1/4	802.12	1/4	525.47	1/4	248.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,350.33	1/2	1,073.20	1/2	796.37	1/2	519.69	1/2	242.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,344.56	3/4	1,067.42	3/4	790.61	3/4	513.92	3/4	236.79	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,338.79	11	1,061.65	11	784.86	11	508.15	11	231.02	11		11	11	11	11	11	11	11	11
1/4	1,333.01	1/4	1,055.87	1/4	779.10	1/4	502.37	1/4	225.25	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,327.24	1/2	1,050.10	1/2	773.35	1/2	496.60	1/2	219.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,321.46	3/4	1,044.33	3/4	767.59	3/4	490.83	3/4	213.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "DBL 311"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-08 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,578.78	0	1,301.77	0	1,024.76	0	749.24	0	473.28	0	196.29	0		0		0		0	
1/4	1,573.01	1/4	1,296.00	1/4	1,018.99	1/4	743.52	1/4	467.51	1/4	190.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,567.24	1/2	1,290.23	1/2	1,013.22	1/2	737.80	1/2	461.74	1/2	184.74	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,561.47	3/4	1,284.46	3/4	1,007.44	3/4	732.09	3/4	455.97	3/4	178.97	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,555.70	1	1,278.69	1	1,001.67	1	726.37	1	450.20	1	173.20	1	1	1	1	1	1	1	1
1/4	1,549.93	1/4	1,272.91	1/4	995.90	1/4	720.66	1/4	444.43	1/4	167.43	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,544.16	1/2	1,267.14	1/2	990.13	1/2	714.94	1/2	438.66	1/2	161.66	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,538.39	3/4	1,261.37	3/4	984.36	3/4	709.22	3/4	432.89	3/4	155.89	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,532.61	2	1,255.60	2	978.59	2	703.51	2	427.12	2	150.12	2	2	2	2	2	2	2	2
1/4	1,526.84	1/4	1,249.83	1/4	972.82	1/4	697.79	1/4	421.35	1/4	144.35	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,521.07	1/2	1,244.06	1/2	967.05	1/2	692.08	1/2	415.58	1/2	138.58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,515.30	3/4	1,238.29	3/4	961.28	3/4	686.36	3/4	409.81	3/4	132.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,509.53	3	1,232.52	3	955.50	3	680.64	3	404.04	3	127.04	3	3	3	3	3	3	3	3
1/4	1,503.76	1/4	1,226.75	1/4	949.73	1/4	674.93	1/4	398.26	1/4	121.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,497.99	1/2	1,220.97	1/2	943.96	1/2	669.21	1/2	392.49	1/2	115.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,492.22	3/4	1,215.20	3/4	938.19	3/4	663.49	3/4	386.72	3/4	109.75	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,486.45	4	1,209.43	4	932.42	4	657.77	4	380.95	4	103.99	4	4	4	4	4	4	4	4
1/4	1,480.67	1/4	1,203.66	1/4	926.65	1/4	652.05	1/4	375.18	1/4	98.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,474.90	1/2	1,197.89	1/2	920.88	1/2	646.32	1/2	369.41	1/2	92.47	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,469.13	3/4	1,192.12	3/4	915.13	3/4	640.57	3/4	363.64	3/4	86.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,463.36	5	1,186.35	5	909.38	5	634.82	5	357.87	5	80.99	5	5	5	5	5	5	5	5
1/4	1,457.59	1/4	1,180.58	1/4	903.63	1/4	629.08	1/4	352.10	1/4	75.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,451.82	1/2	1,174.81	1/2	897.88	1/2	623.33	1/2	346.33	1/2	69.51	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,446.05	3/4	1,169.03	3/4	892.16	3/4	617.55	3/4	340.56	3/4	64.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,440.28	6	1,163.26	6	886.43	6	611.78	6	334.79	6	58.59	6	6	6	6	6	6	6	6
1/4	1,434.51	1/4	1,157.49	1/4	880.71	1/4	606.01	1/4	329.01	1/4	53.13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,428.73	1/2	1,151.72	1/2	874.99	1/2	600.24	1/2	323.24	1/2	47.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,422.96	3/4	1,145.95	3/4	869.27	3/4	594.47	3/4	317.47	3/4	43.05	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,417.19	7	1,140.18	7	863.56	7	588.70	7	311.70	7	38.44	7	7	7	7	7	7	7	7
1/4	1,411.42	1/4	1,134.41	1/4	857.84	1/4	582.93	1/4	305.93	1/4	33.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,405.65	1/2	1,128.64	1/2	852.12	1/2	577.16	1/2	300.16	1/2	29.20	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,399.88	3/4	1,122.87	3/4	846.41	3/4	571.39	3/4	294.39	3/4	25.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,394.11	8	1,117.10	8	840.69	8	565.62	8	288.62	8	22.28	8	8	8	8	8	8	8	8
1/4	1,388.34	1/4	1,111.32	1/4	834.98	1/4	559.85	1/4	282.85	1/4	18.82	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,382.57	1/2	1,105.55	1/2	829.26	1/2	554.08	1/2	277.08	1/2	15.36	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,376.79	3/4	1,099.78	3/4	823.54	3/4	548.31	3/4	271.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,371.02	9	1,094.01	9	817.83	9	542.53	9	265.54	9		9	9	9	9	9	9	9	9
1/4	1,365.25	1/4	1,088.24	1/4	812.11	1/4	536.76	1/4	259.77	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,359.48	1/2	1,082.47	1/2	806.40	1/2	530.99	1/2	253.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,353.71	3/4	1,076.70	3/4	800.68	3/4	525.22	3/4	248.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,347.94	10	1,070.93	10	794.96	10	519.45	10	242.45	10		10	10	10	10	10	10	10	10
1/4	1,342.17	1/4	1,065.16	1/4	789.25	1/4	513.68	1/4	236.68	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,336.40	1/2	1,059.38	1/2	783.53	1/2	507.91	1/2	230.91	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,330.63	3/4	1,053.61	3/4	777.82	3/4	502.14	3/4	225.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,324.85	11	1,047.84	11	772.10	11	496.37	11	219.37	11		11	11	11	11	11	11	11	11
1/4	1,319.08	1/4	1,042.07	1/4	766.38	1/4	490.60	1/4	213.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,313.31	1/2	1,036.30	1/2	760.67	1/2	484.83	1/2	207.83	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,307.54	3/4	1,030.53	3/4	754.95	3/4	479.06	3/4	202.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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