



BARGE "CTC 29113"

INNAGE TRIM TABLE
FORMERLY "BKF 311"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

November 16, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29113"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	10.15	0	259.80	0	541.66	0	845.80	0	1,171.93	0	1,503.15	0	1,834.36	0	2,165.51	0	2,496.60	0	2,827.68
1/4	13.48	1/4	265.46	1/4	547.77	1/4	852.41	1/4	1,178.83	1/4	1,510.05	1/4	1,841.26	1/4	2,172.41	1/4	2,503.50	1/4	2,834.58
1/2	16.80	1/2	271.12	1/2	553.88	1/2	859.01	1/2	1,185.73	1/2	1,516.95	1/2	1,848.16	1/2	2,179.31	1/2	2,510.39	1/2	2,841.48
3/4	20.13	3/4	276.77	3/4	559.98	3/4	865.62	3/4	1,192.63	3/4	1,523.85	3/4	1,855.06	3/4	2,186.21	3/4	2,517.29	3/4	2,848.38
1	23.45	1	282.43	1	566.09	1	872.22	1	1,199.54	1	1,530.75	1	1,861.96	1	2,193.10	1	2,524.19	1	2,855.27
1/4	28.11	1/4	288.13	1/4	572.24	1/4	878.87	1/4	1,206.44	1/4	1,537.65	1/4	1,868.86	1/4	2,200.00	1/4	2,531.09	1/4	2,862.17
1/2	32.76	1/2	293.82	1/2	578.39	1/2	885.51	1/2	1,213.34	1/2	1,544.55	1/2	1,875.76	1/2	2,206.90	1/2	2,537.98	1/2	2,869.07
3/4	37.41	3/4	299.52	3/4	584.54	3/4	892.15	3/4	1,220.24	3/4	1,551.45	3/4	1,882.66	3/4	2,213.80	3/4	2,544.88	3/4	2,875.97
2	42.06	2	305.21	2	590.69	2	898.80	2	1,227.14	2	1,558.35	2	1,889.57	2	2,220.69	2	2,551.78	2	2,882.86
1/4	47.33	1/4	310.95	1/4	596.88	1/4	905.48	1/4	1,234.04	1/4	1,565.25	1/4	1,896.47	1/4	2,227.59	1/4	2,558.68	1/4	2,889.76
1/2	52.59	1/2	316.68	1/2	603.07	1/2	912.17	1/2	1,240.94	1/2	1,572.15	1/2	1,903.37	1/2	2,234.49	1/2	2,565.57	1/2	2,896.66
3/4	57.86	3/4	322.41	3/4	609.26	3/4	918.85	3/4	1,247.84	3/4	1,579.05	3/4	1,910.27	3/4	2,241.39	3/4	2,572.47	3/4	2,903.56
3	63.13	3	328.15	3	615.44	3	925.53	3	1,254.74	3	1,585.95	3	1,917.17	3	2,248.29	3	2,579.37	3	2,910.45
1/4	68.43	1/4	333.93	1/4	621.67	1/4	932.26	1/4	1,261.64	1/4	1,592.85	1/4	1,924.07	1/4	2,255.18	1/4	2,586.27	1/4	2,917.35
1/2	73.74	1/2	339.70	1/2	627.90	1/2	938.98	1/2	1,268.54	1/2	1,599.75	1/2	1,930.97	1/2	2,262.08	1/2	2,593.17	1/2	2,924.25
3/4	79.04	3/4	345.48	3/4	634.13	3/4	945.70	3/4	1,275.44	3/4	1,606.65	3/4	1,937.87	3/4	2,268.98	3/4	2,600.06	3/4	2,931.15
4	84.35	4	351.26	4	640.36	4	952.43	4	1,282.34	4	1,613.55	4	1,944.77	4	2,275.88	4	2,606.96	4	2,938.05
1/4	89.69	1/4	357.07	1/4	646.63	1/4	959.19	1/4	1,289.24	1/4	1,620.45	1/4	1,951.67	1/4	2,282.77	1/4	2,613.86	1/4	2,944.94
1/2	95.04	1/2	362.89	1/2	652.90	1/2	965.95	1/2	1,296.14	1/2	1,627.35	1/2	1,958.57	1/2	2,289.67	1/2	2,620.76	1/2	2,951.84
3/4	100.38	3/4	368.71	3/4	659.16	3/4	972.71	3/4	1,303.04	3/4	1,634.25	3/4	1,965.47	3/4	2,296.57	3/4	2,627.65	3/4	2,958.74
5	105.73	5	374.52	5	665.43	5	979.48	5	1,309.94	5	1,641.15	5	1,972.37	5	2,303.47	5	2,634.55	5	2,965.64
1/4	111.11	1/4	380.38	1/4	671.74	1/4	986.28	1/4	1,316.84	1/4	1,648.05	1/4	1,979.27	1/4	2,310.36	1/4	2,641.45	1/4	2,972.53
1/2	116.50	1/2	386.24	1/2	678.05	1/2	993.08	1/2	1,323.74	1/2	1,654.96	1/2	1,986.17	1/2	2,317.26	1/2	2,648.35	1/2	2,979.43
3/4	121.88	3/4	392.10	3/4	684.35	3/4	999.88	3/4	1,330.64	3/4	1,661.86	3/4	1,993.07	3/4	2,324.16	3/4	2,655.24	3/4	2,986.33
6	127.27	6	397.95	6	690.66	6	1,006.68	6	1,337.54	6	1,668.76	6	1,999.97	6	2,331.06	6	2,662.14	6	2,993.23
1/4	132.69	1/4	403.85	1/4	697.02	1/4	1,013.52	1/4	1,344.44	1/4	1,675.66	1/4	2,006.87	1/4	2,337.95	1/4	2,669.04	1/4	3,000.12
1/2	138.11	1/2	409.74	1/2	703.37	1/2	1,020.37	1/2	1,351.34	1/2	1,682.56	1/2	2,013.77	1/2	2,344.85	1/2	2,675.94	1/2	3,007.02
3/4	143.54	3/4	415.64	3/4	709.73	3/4	1,027.21	3/4	1,358.24	3/4	1,689.46	3/4	2,020.67	3/4	2,351.75	3/4	2,682.83	3/4	3,013.92
7	148.96	7	421.54	7	716.08	7	1,034.05	7	1,365.14	7	1,696.36	7	2,027.57	7	2,358.65	7	2,689.73	7	3,020.82
1/4	154.42	1/4	427.47	1/4	722.48	1/4	1,040.92	1/4	1,372.04	1/4	1,703.26	1/4	2,034.47	1/4	2,365.54	1/4	2,696.63	1/4	3,027.71
1/2	159.89	1/2	433.41	1/2	728.89	1/2	1,047.80	1/2	1,378.94	1/2	1,710.16	1/2	2,041.36	1/2	2,372.44	1/2	2,703.53	1/2	3,034.61
3/4	165.35	3/4	439.34	3/4	735.29	3/4	1,054.67	3/4	1,385.84	3/4	1,717.06	3/4	2,048.26	3/4	2,379.34	3/4	2,710.42	3/4	3,041.51
8	170.81	8	445.28	8	741.70	8	1,061.55	8	1,392.74	8	1,723.96	8	2,055.15	8	2,386.24	8	2,717.32	8	3,048.41
1/4	176.32	1/4	451.25	1/4	748.15	1/4	1,068.44	1/4	1,399.64	1/4	1,730.86	1/4	2,062.05	1/4	2,393.13	1/4	2,724.22	1/4	3,055.30
1/2	181.82	1/2	457.23	1/2	754.59	1/2	1,075.34	1/2	1,406.54	1/2	1,737.76	1/2	2,068.95	1/2	2,400.03	1/2	2,731.12	1/2	3,062.20
3/4	187.32	3/4	463.20	3/4	761.04	3/4	1,082.24	3/4	1,413.44	3/4	1,744.66	3/4	2,075.85	3/4	2,406.93	3/4	2,738.01	3/4	3,069.10
9	192.82	9	469.18	9	767.49	9	1,089.13	9	1,420.34	9	1,751.56	9	2,082.74	9	2,413.83	9	2,744.91	9	3,076.00
1/4	198.37	1/4	475.19	1/4	773.98	1/4	1,096.03	1/4	1,427.25	1/4	1,758.46	1/4	2,089.64	1/4	2,420.73	1/4	2,751.81	1/4	3,082.89
1/2	203.91	1/2	481.20	1/2	780.46	1/2	1,102.93	1/2	1,434.15	1/2	1,765.36	1/2	2,096.54	1/2	2,427.62	1/2	2,758.71	1/2	3,089.79
3/4	209.45	3/4	487.21	3/4	786.95	3/4	1,109.83	3/4	1,441.05	3/4	1,772.26	3/4	2,103.44	3/4	2,434.52	3/4	2,765.61	3/4	3,096.69
10	214.99	10	493.22	10	793.44	10	1,116.73	10	1,447.95	10	1,779.16	10	2,110.33	10	2,441.42	10	2,772.50	10	3,103.59
1/4	220.57	1/4	499.26	1/4	799.96	1/4	1,123.63	1/4	1,454.85	1/4	1,786.06	1/4	2,117.23	1/4	2,448.32	1/4	2,779.40	1/4	3,110.48
1/2	226.15	1/2	505.30	1/2	806.49	1/2	1,130.53	1/2	1,461.75	1/2	1,792.96	1/2	2,124.13	1/2	2,455.21	1/2	2,786.30	1/2	3,117.38
3/4	231.73	3/4	511.34	3/4	813.01	3/4	1,137.43	3/4	1,468.65	3/4	1,799.86	3/4	2,131.03	3/4	2,462.11	3/4	2,793.20	3/4	3,124.28
11	237.32	11	517.38	11	819.54	11	1,144.33	11	1,475.55	11	1,806.76	11	2,137.92	11	2,469.01	11	2,800.09	11	3,131.18
1/4	242.94	1/4	523.45	1/4	826.11	1/4	1,151.23	1/4	1,482.45	1/4	1,813.66	1/4	2,144.82	1/4	2,475.91	1/4	2,806.99	1/4	3,138.07
1/2	248.56	1/2	529.52	1/2	832.67	1/2	1,158.13	1/2	1,489.35	1/2	1,820.56	1/2	2,151.72	1/2	2,482.80	1/2	2,813.89	1/2	3,144.97
3/4	254.18	3/4	535.59	3/4	839.24	3/4	1,165.03	3/4	1,496.25	3/4	1,827.46	3/4	2,158.62	3/4	2,489.70	3/4	2,820.79	3/4	3,151.87

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-05 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	3,158.77	0	3,489.85	0	3,819.59	0	4,136.28	0	4,436.53	0		0		0		0		0	
1/4	3,165.66	1/4	3,496.74	1/4	3,826.34	1/4	4,142.68	1/4	4,442.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,172.56	1/2	3,503.64	1/2	3,833.09	1/2	4,149.08	1/2	4,449.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,179.46	3/4	3,510.54	3/4	3,839.85	3/4	4,155.48	3/4	4,455.38	3/4		3/4		3/4		3/4		3/4	
1	3,186.36	1	3,517.44	1	3,846.60	1	4,161.88	1	4,461.67	1		1		1		1		1	
1/4	3,193.25	1/4	3,524.33	1/4	3,853.33	1/4	4,168.25	1/4	4,468.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,200.15	1/2	3,531.23	1/2	3,860.06	1/2	4,174.62	1/2	4,475.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,207.05	3/4	3,538.13	3/4	3,866.78	3/4	4,181.00	3/4	4,481.66	3/4		3/4		3/4		3/4		3/4	
2	3,213.95	2	3,545.03	2	3,873.51	2	4,187.37	2	4,488.33	2		2		2		2		2	
1/4	3,220.84	1/4	3,551.92	1/4	3,880.21	1/4	4,193.72	1/4	4,495.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,227.74	1/2	3,558.82	1/2	3,886.91	1/2	4,200.06	1/2	4,502.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,234.64	3/4	3,565.72	3/4	3,893.61	3/4	4,206.41	3/4	4,508.90	3/4		3/4		3/4		3/4		3/4	
3	3,241.54	3	3,572.62	3	3,900.31	3	4,212.76	3	4,515.76	3		3		3		3		3	
1/4	3,248.43	1/4	3,579.51	1/4	3,906.99	1/4	4,219.08	1/4	4,522.53	1/4		1/4		1/4		1/4		1/4	
1/2	3,255.33	1/2	3,586.41	1/2	3,913.66	1/2	4,225.40	1/2	4,529.30	1/2		1/2		1/2		1/2		1/2	
3/4	3,262.23	3/4	3,593.31	3/4	3,920.34	3/4	4,231.72	3/4	4,536.07	3/4		3/4		3/4		3/4		3/4	
4	3,269.13	4	3,600.21	4	3,927.01	4	4,238.04	4	4,542.84	4		4		4		4		4	
1/4	3,276.02	1/4	3,607.10	1/4	3,933.66	1/4	4,244.33	1/4	4,548.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,282.92	1/2	3,614.00	1/2	3,940.31	1/2	4,250.63	1/2	4,555.01	1/2		1/2		1/2		1/2		1/2	
3/4	3,289.82	3/4	3,620.90	3/4	3,946.96	3/4	4,256.92	3/4	4,561.09	3/4		3/4		3/4		3/4		3/4	
5	3,296.72	5	3,627.80	5	3,953.61	5	4,263.22	5	4,567.17	5		5		5		5		5	
1/4	3,303.61	1/4	3,634.69	1/4	3,960.23	1/4	4,269.49	1/4	4,571.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,310.51	1/2	3,641.59	1/2	3,966.85	1/2	4,275.75	1/2	4,576.74	1/2		1/2		1/2		1/2		1/2	
3/4	3,317.41	3/4	3,648.49	3/4	3,973.48	3/4	4,282.02	3/4	4,581.53	3/4		3/4		3/4		3/4		3/4	
6	3,324.31	6	3,655.39	6	3,980.10	6	4,288.29	6	4,586.32	6		6		6		6		6	
1/4	3,331.20	1/4	3,662.28	1/4	3,986.69	1/4	4,294.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,338.10	1/2	3,669.17	1/2	3,993.29	1/2	4,300.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,345.00	3/4	3,676.07	3/4	3,999.89	3/4	4,307.02	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,351.90	7	3,682.96	7	4,006.48	7	4,313.26	7		7		7		7		7		7	
1/4	3,358.79	1/4	3,689.84	1/4	4,013.05	1/4	4,319.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,365.69	1/2	3,696.72	1/2	4,019.62	1/2	4,325.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,372.59	3/4	3,703.60	3/4	4,026.19	3/4	4,331.91	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,379.49	8	3,710.49	8	4,032.76	8	4,338.12	8		8		8		8		8		8	
1/4	3,386.38	1/4	3,717.34	1/4	4,039.29	1/4	4,344.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,393.28	1/2	3,724.20	1/2	4,045.81	1/2	4,350.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,400.18	3/4	3,731.06	3/4	4,052.33	3/4	4,356.69	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,407.08	9	3,737.92	9	4,058.86	9	4,362.88	9		9		9		9		9		9	
1/4	3,413.97	1/4	3,744.75	1/4	4,065.34	1/4	4,369.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,420.87	1/2	3,751.58	1/2	4,071.81	1/2	4,375.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,427.77	3/4	3,758.41	3/4	4,078.29	3/4	4,381.37	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,434.67	10	3,765.25	10	4,084.77	10	4,387.54	10		10		10		10		10		10	
1/4	3,441.56	1/4	3,772.05	1/4	4,091.22	1/4	4,393.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,448.46	1/2	3,778.86	1/2	4,097.67	1/2	4,399.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,455.36	3/4	3,785.66	3/4	4,104.13	3/4	4,405.95	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,462.26	11	3,792.47	11	4,110.58	11	4,412.09	11		11		11		11		11		11	
1/4	3,469.15	1/4	3,799.25	1/4	4,117.00	1/4	4,418.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,476.05	1/2	3,806.03	1/2	4,123.43	1/2	4,424.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,482.95	3/4	3,812.81	3/4	4,129.85	3/4	4,430.42	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022



BARGE "CTC 29113"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-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	10.15	0	259.69	0	541.46	0	845.04	0	1,170.54	0	1,501.67	0	1,832.80	0	2,163.89	0	2,494.89	0	2,825.90
1/4	13.47	1/4	265.35	1/4	547.56	1/4	851.62	1/4	1,177.43	1/4	1,508.57	1/4	1,839.70	1/4	2,170.78	1/4	2,501.79	1/4	2,832.80
1/2	16.80	1/2	271.00	1/2	553.67	1/2	858.20	1/2	1,184.33	1/2	1,515.47	1/2	1,846.60	1/2	2,177.68	1/2	2,508.69	1/2	2,839.69
3/4	20.12	3/4	276.66	3/4	559.77	3/4	864.78	3/4	1,191.23	3/4	1,522.36	3/4	1,853.50	3/4	2,184.57	3/4	2,515.58	3/4	2,846.59
1	23.44	1	282.32	1	565.88	1	871.37	1	1,198.13	1	1,529.26	1	1,860.40	1	2,191.47	1	2,522.48	1	2,853.49
1/4	28.09	1/4	288.01	1/4	572.03	1/4	877.99	1/4	1,205.03	1/4	1,536.16	1/4	1,867.29	1/4	2,198.37	1/4	2,529.37	1/4	2,860.38
1/2	32.74	1/2	293.70	1/2	578.17	1/2	884.61	1/2	1,211.93	1/2	1,543.06	1/2	1,874.19	1/2	2,205.26	1/2	2,536.27	1/2	2,867.28
3/4	37.39	3/4	299.40	3/4	584.32	3/4	891.23	3/4	1,218.83	3/4	1,549.96	3/4	1,881.09	3/4	2,212.16	3/4	2,543.17	3/4	2,874.17
2	42.04	2	305.09	2	590.47	2	897.85	2	1,225.72	2	1,556.86	2	1,887.99	2	2,219.05	2	2,550.06	2	2,881.07
1/4	47.31	1/4	310.82	1/4	596.65	1/4	904.51	1/4	1,232.62	1/4	1,563.76	1/4	1,894.89	1/4	2,225.95	1/4	2,556.96	1/4	2,887.97
1/2	52.57	1/2	316.55	1/2	602.84	1/2	911.17	1/2	1,239.52	1/2	1,570.65	1/2	1,901.79	1/2	2,232.85	1/2	2,563.85	1/2	2,894.86
3/4	57.83	3/4	322.28	3/4	609.03	3/4	917.83	3/4	1,246.42	3/4	1,577.55	3/4	1,908.69	3/4	2,239.74	3/4	2,570.75	3/4	2,901.76
3	63.10	3	328.02	3	615.22	3	924.49	3	1,253.32	3	1,584.45	3	1,915.58	3	2,246.64	3	2,577.65	3	2,908.65
1/4	68.40	1/4	333.79	1/4	621.44	1/4	931.19	1/4	1,260.22	1/4	1,591.35	1/4	1,922.48	1/4	2,253.53	1/4	2,584.54	1/4	2,915.55
1/2	73.71	1/2	339.57	1/2	627.67	1/2	937.89	1/2	1,267.12	1/2	1,598.25	1/2	1,929.38	1/2	2,260.43	1/2	2,591.44	1/2	2,922.45
3/4	79.01	3/4	345.34	3/4	633.90	3/4	944.59	3/4	1,274.01	3/4	1,605.15	3/4	1,936.28	3/4	2,267.33	3/4	2,598.33	3/4	2,929.34
4	84.31	4	351.11	4	640.12	4	951.29	4	1,280.91	4	1,612.05	4	1,943.18	4	2,274.22	4	2,605.23	4	2,936.24
1/4	89.66	1/4	356.93	1/4	646.39	1/4	958.03	1/4	1,287.81	1/4	1,618.94	1/4	1,950.08	1/4	2,281.12	1/4	2,612.13	1/4	2,943.13
1/2	95.00	1/2	362.75	1/2	652.66	1/2	964.77	1/2	1,294.71	1/2	1,625.84	1/2	1,956.98	1/2	2,288.01	1/2	2,619.02	1/2	2,950.03
3/4	100.34	3/4	368.56	3/4	658.92	3/4	971.51	3/4	1,301.61	3/4	1,632.74	3/4	1,963.87	3/4	2,294.91	3/4	2,625.92	3/4	2,956.93
5	105.68	5	374.38	5	665.19	5	978.25	5	1,308.51	5	1,639.64	5	1,970.77	5	2,301.81	5	2,632.81	5	2,963.82
1/4	111.07	1/4	380.23	1/4	671.49	1/4	985.03	1/4	1,315.41	1/4	1,646.54	1/4	1,977.67	1/4	2,308.70	1/4	2,639.71	1/4	2,970.72
1/2	116.45	1/2	386.09	1/2	677.80	1/2	991.81	1/2	1,322.30	1/2	1,653.44	1/2	1,984.57	1/2	2,315.60	1/2	2,646.61	1/2	2,977.61
3/4	121.83	3/4	391.94	3/4	684.11	3/4	998.59	3/4	1,329.20	3/4	1,660.34	3/4	1,991.47	3/4	2,322.49	3/4	2,653.50	3/4	2,984.51
6	127.21	6	397.80	6	690.41	6	1,005.37	6	1,336.10	6	1,667.23	6	1,998.37	6	2,329.39	6	2,660.40	6	2,991.41
1/4	132.63	1/4	403.69	1/4	696.75	1/4	1,012.20	1/4	1,343.00	1/4	1,674.13	1/4	2,005.27	1/4	2,336.29	1/4	2,667.29	1/4	2,998.30
1/2	138.06	1/2	409.58	1/2	703.10	1/2	1,019.02	1/2	1,349.90	1/2	1,681.03	1/2	2,012.16	1/2	2,343.18	1/2	2,674.19	1/2	3,005.20
3/4	143.48	3/4	415.48	3/4	709.44	3/4	1,025.85	3/4	1,356.80	3/4	1,687.93	3/4	2,019.06	3/4	2,350.08	3/4	2,681.09	3/4	3,012.09
7	148.90	7	421.37	7	715.78	7	1,032.68	7	1,363.70	7	1,694.83	7	2,025.96	7	2,356.97	7	2,687.98	7	3,018.99
1/4	154.36	1/4	427.31	1/4	722.16	1/4	1,039.56	1/4	1,370.60	1/4	1,701.73	1/4	2,032.86	1/4	2,363.87	1/4	2,694.88	1/4	3,025.89
1/2	159.82	1/2	433.24	1/2	728.54	1/2	1,046.43	1/2	1,377.49	1/2	1,708.63	1/2	2,039.76	1/2	2,370.77	1/2	2,701.77	1/2	3,032.78
3/4	165.28	3/4	439.17	3/4	734.92	3/4	1,053.30	3/4	1,384.39	3/4	1,715.53	3/4	2,046.65	3/4	2,377.66	3/4	2,708.67	3/4	3,039.68
8	170.74	8	445.11	8	741.31	8	1,060.18	8	1,391.29	8	1,722.42	8	2,053.55	8	2,384.56	8	2,715.57	8	3,046.57
1/4	176.24	1/4	451.08	1/4	747.73	1/4	1,067.07	1/4	1,398.19	1/4	1,729.32	1/4	2,060.45	1/4	2,391.45	1/4	2,722.46	1/4	3,053.47
1/2	181.74	1/2	457.05	1/2	754.15	1/2	1,073.97	1/2	1,405.09	1/2	1,736.22	1/2	2,067.34	1/2	2,398.35	1/2	2,729.36	1/2	3,060.37
3/4	187.24	3/4	463.03	3/4	760.58	3/4	1,080.86	3/4	1,411.99	3/4	1,743.12	3/4	2,074.24	3/4	2,405.25	3/4	2,736.25	3/4	3,067.26
9	192.74	9	469.00	9	767.00	9	1,087.75	9	1,418.89	9	1,750.02	9	2,081.13	9	2,412.14	9	2,743.15	9	3,074.16
1/4	198.28	1/4	475.01	1/4	773.47	1/4	1,094.65	1/4	1,425.78	1/4	1,756.92	1/4	2,088.03	1/4	2,419.04	1/4	2,750.05	1/4	3,081.05
1/2	203.82	1/2	481.02	1/2	779.93	1/2	1,101.55	1/2	1,432.68	1/2	1,763.82	1/2	2,094.93	1/2	2,425.93	1/2	2,756.94	1/2	3,087.95
3/4	209.36	3/4	487.03	3/4	786.39	3/4	1,108.45	3/4	1,439.58	3/4	1,770.71	3/4	2,101.82	3/4	2,432.83	3/4	2,763.84	3/4	3,094.84
10	214.90	10	493.03	10	792.86	10	1,115.35	10	1,446.48	10	1,777.61	10	2,108.72	10	2,439.73	10	2,770.73	10	3,101.74
1/4	220.48	1/4	499.07	1/4	799.36	1/4	1,122.25	1/4	1,453.38	1/4	1,784.51	1/4	2,115.61	1/4	2,446.62	1/4	2,777.63	1/4	3,108.64
1/2	226.06	1/2	505.11	1/2	805.86	1/2	1,129.14	1/2	1,460.28	1/2	1,791.41	1/2	2,122.51	1/2	2,453.52	1/2	2,784.53	1/2	3,115.53
3/4	231.64	3/4	511.15	3/4	812.37	3/4	1,136.04	3/4	1,467.18	3/4	1,798.31	3/4	2,129.41	3/4	2,460.41	3/4	2,791.42	3/4	3,122.43
11	237.22	11	517.18	11	818.87	11	1,142.94	11	1,474.07	11	1,805.21	11	2,136.30	11	2,467.31	11	2,798.32	11	3,129.32
1/4	242.84	1/4	523.25	1/4	825.41	1/4	1,149.84	1/4	1,480.97	1/4	1,812.11	1/4	2,143.20	1/4	2,474.21	1/4	2,805.21	1/4	3,136.22
1/2	248.45	1/2	529.32	1/2	831.95	1/2	1,156.74	1/2	1,487.87	1/2	1,819.00	1/2	2,150.09	1/2	2,481.10	1/2	2,812.11	1/2	3,143.12
3/4	254.07	3/4	535.39	3/4	838.50	3/4	1,163.64	3/4	1,494.77	3/4	1,825.90	3/4	2,156.99	3/4	2,488.00	3/4	2,819.01	3/4	3,150.01

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-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	3,156.91	0	3,487.91	0	3,817.57	0	4,134.18	0	4,434.34	0		0		0		0		0	
1/4	3,163.80	1/4	3,494.81	1/4	3,824.33	1/4	4,140.58	1/4	4,440.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,170.70	1/2	3,501.70	1/2	3,831.08	1/2	4,146.98	1/2	4,446.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,177.60	3/4	3,508.60	3/4	3,837.83	3/4	4,153.38	3/4	4,453.19	3/4		3/4		3/4		3/4		3/4	
1	3,184.49	1	3,515.49	1	3,844.58	1	4,159.77	1	4,459.48	1		1		1		1		1	
1/4	3,191.39	1/4	3,522.39	1/4	3,851.31	1/4	4,166.14	1/4	4,466.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,198.28	1/2	3,529.29	1/2	3,858.03	1/2	4,172.52	1/2	4,472.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,205.18	3/4	3,536.18	3/4	3,864.76	3/4	4,178.89	3/4	4,479.46	3/4		3/4		3/4		3/4		3/4	
2	3,212.07	2	3,543.08	2	3,871.48	2	4,185.26	2	4,486.13	2		2		2		2		2	
1/4	3,218.97	1/4	3,549.97	1/4	3,878.18	1/4	4,191.60	1/4	4,492.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,225.87	1/2	3,556.87	1/2	3,884.88	1/2	4,197.95	1/2	4,499.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,232.76	3/4	3,563.77	3/4	3,891.58	3/4	4,204.29	3/4	4,506.70	3/4		3/4		3/4		3/4		3/4	
3	3,239.66	3	3,570.66	3	3,898.28	3	4,210.64	3	4,513.55	3		3		3		3		3	
1/4	3,246.55	1/4	3,577.56	1/4	3,904.95	1/4	4,216.96	1/4	4,520.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,253.45	1/2	3,584.45	1/2	3,911.63	1/2	4,223.28	1/2	4,527.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,260.35	3/4	3,591.35	3/4	3,918.30	3/4	4,229.60	3/4	4,533.86	3/4		3/4		3/4		3/4		3/4	
4	3,267.24	4	3,598.25	4	3,924.97	4	4,235.91	4	4,540.63	4		4		4		4		4	
1/4	3,274.14	1/4	3,605.14	1/4	3,931.62	1/4	4,242.21	1/4	4,546.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,281.03	1/2	3,612.04	1/2	3,938.27	1/2	4,248.50	1/2	4,552.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,287.93	3/4	3,618.93	3/4	3,944.91	3/4	4,254.79	3/4	4,558.87	3/4		3/4		3/4		3/4		3/4	
5	3,294.83	5	3,625.83	5	3,951.56	5	4,261.09	5	4,564.95	5		5		5		5		5	
1/4	3,301.72	1/4	3,632.72	1/4	3,958.18	1/4	4,267.35	1/4	4,569.74	1/4		1/4		1/4		1/4		1/4	
1/2	3,308.62	1/2	3,639.62	1/2	3,964.80	1/2	4,273.62	1/2	4,574.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,315.51	3/4	3,646.52	3/4	3,971.42	3/4	4,279.88	3/4	4,579.31	3/4		3/4		3/4		3/4		3/4	
6	3,322.41	6	3,653.41	6	3,978.04	6	4,286.15	6	4,584.10	6		6		6		6		6	
1/4	3,329.31	1/4	3,660.30	1/4	3,984.64	1/4	4,292.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,336.20	1/2	3,667.20	1/2	3,991.23	1/2	4,298.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,343.10	3/4	3,674.09	3/4	3,997.83	3/4	4,304.87	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,349.99	7	3,680.98	7	4,004.42	7	4,311.11	7		7		7		7		7		7	
1/4	3,356.89	1/4	3,687.86	1/4	4,010.99	1/4	4,317.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,363.78	1/2	3,694.74	1/2	4,017.56	1/2	4,323.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,370.68	3/4	3,701.62	3/4	4,024.13	3/4	4,329.75	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,377.58	8	3,708.50	8	4,030.70	8	4,335.97	8		8		8		8		8		8	
1/4	3,384.47	1/4	3,715.36	1/4	4,037.22	1/4	4,342.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,391.37	1/2	3,722.21	1/2	4,043.74	1/2	4,348.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,398.26	3/4	3,729.07	3/4	4,050.26	3/4	4,354.53	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,405.16	9	3,735.92	9	4,056.78	9	4,360.72	9		9		9		9		9		9	
1/4	3,412.06	1/4	3,742.76	1/4	4,063.26	1/4	4,366.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,418.95	1/2	3,749.59	1/2	4,069.74	1/2	4,373.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,425.85	3/4	3,756.42	3/4	4,076.21	3/4	4,379.20	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,432.74	10	3,763.25	10	4,082.69	10	4,385.37	10		10		10		10		10		10	
1/4	3,439.64	1/4	3,770.05	1/4	4,089.14	1/4	4,391.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,446.54	1/2	3,776.85	1/2	4,095.59	1/2	4,397.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,453.43	3/4	3,783.66	3/4	4,102.04	3/4	4,403.77	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,460.33	11	3,790.46	11	4,108.49	11	4,409.91	11		11		11		11		11		11	
1/4	3,467.22	1/4	3,797.24	1/4	4,114.91	1/4	4,416.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,474.12	1/2	3,804.02	1/2	4,121.34	1/2	4,422.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,481.01	3/4	3,810.80	3/4	4,127.76	3/4	4,428.24	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022



BARGE "CTC 29113"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-06"

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	13.85	0	388.57	0	776.57	0	1,164.17	0	1,552.37	0	1,940.58	0	2,328.78	0	2,716.95	0	3,105.00	0	3,493.06
1/4	19.24	1/4	396.66	1/4	784.63	1/4	1,172.25	1/4	1,560.46	1/4	1,948.66	1/4	2,336.87	1/4	2,725.03	1/4	3,113.09	1/4	3,501.15
1/2	24.63	1/2	404.74	1/2	792.70	1/2	1,180.34	1/2	1,568.55	1/2	1,956.75	1/2	2,344.96	1/2	2,733.12	1/2	3,121.17	1/2	3,509.23
3/4	30.02	3/4	412.83	3/4	800.76	3/4	1,188.43	3/4	1,576.63	3/4	1,964.84	3/4	2,353.04	3/4	2,741.20	3/4	3,129.26	3/4	3,517.31
1	35.41	1	420.92	1	808.82	1	1,196.52	1	1,584.72	1	1,972.93	1	2,361.13	1	2,749.29	1	3,137.34	1	3,525.40
1/4	42.83	1/4	429.00	1/4	816.89	1/4	1,204.61	1/4	1,592.81	1/4	1,981.01	1/4	2,369.22	1/4	2,757.37	1/4	3,145.43	1/4	3,533.48
1/2	50.24	1/2	437.08	1/2	824.95	1/2	1,212.69	1/2	1,600.90	1/2	1,989.10	1/2	2,377.31	1/2	2,765.46	1/2	3,153.51	1/2	3,541.57
3/4	57.65	3/4	445.17	3/4	833.02	3/4	1,220.78	3/4	1,608.99	3/4	1,997.19	3/4	2,385.39	3/4	2,773.54	3/4	3,161.60	3/4	3,549.65
2	65.07	2	453.25	2	841.08	2	1,228.87	2	1,617.07	2	2,005.28	2	2,393.48	2	2,781.62	2	3,169.68	2	3,557.74
1/4	73.15	1/4	461.33	1/4	849.15	1/4	1,236.96	1/4	1,625.16	1/4	2,013.37	1/4	2,401.57	1/4	2,789.71	1/4	3,177.77	1/4	3,565.82
1/2	81.24	1/2	469.42	1/2	857.21	1/2	1,245.04	1/2	1,633.25	1/2	2,021.45	1/2	2,409.66	1/2	2,797.79	1/2	3,185.85	1/2	3,573.91
3/4	89.33	3/4	477.50	3/4	865.28	3/4	1,253.13	3/4	1,641.34	3/4	2,029.54	3/4	2,417.75	3/4	2,805.88	3/4	3,193.93	3/4	3,581.99
3	97.42	3	485.58	3	873.34	3	1,261.22	3	1,649.42	3	2,037.63	3	2,425.83	3	2,813.96	3	3,202.02	3	3,590.07
1/4	105.50	1/4	493.67	1/4	881.41	1/4	1,269.31	1/4	1,657.51	1/4	2,045.72	1/4	2,433.92	1/4	2,822.05	1/4	3,210.10	1/4	3,598.16
1/2	113.59	1/2	501.76	1/2	889.48	1/2	1,277.39	1/2	1,665.60	1/2	2,053.80	1/2	2,442.01	1/2	2,830.13	1/2	3,218.19	1/2	3,606.24
3/4	121.68	3/4	509.84	3/4	897.54	3/4	1,285.48	3/4	1,673.69	3/4	2,061.89	3/4	2,450.10	3/4	2,838.22	3/4	3,226.27	3/4	3,614.33
4	129.77	4	517.93	4	905.61	4	1,293.57	4	1,681.77	4	2,069.98	4	2,458.18	4	2,846.30	4	3,234.36	4	3,622.41
1/4	137.86	1/4	526.02	1/4	913.67	1/4	1,301.66	1/4	1,689.86	1/4	2,078.07	1/4	2,466.27	1/4	2,854.39	1/4	3,242.44	1/4	3,630.50
1/2	145.94	1/2	534.10	1/2	921.74	1/2	1,309.74	1/2	1,697.95	1/2	2,086.15	1/2	2,474.36	1/2	2,862.47	1/2	3,250.53	1/2	3,638.59
3/4	154.03	3/4	542.19	3/4	929.81	3/4	1,317.83	3/4	1,706.04	3/4	2,094.24	3/4	2,482.45	3/4	2,870.55	3/4	3,258.61	3/4	3,646.67
5	162.12	5	550.28	5	937.87	5	1,325.92	5	1,714.12	5	2,102.33	5	2,490.53	5	2,878.64	5	3,266.69	5	3,654.76
1/4	170.21	1/4	558.37	1/4	945.94	1/4	1,334.01	1/4	1,722.21	1/4	2,110.42	1/4	2,498.62	1/4	2,886.72	1/4	3,274.78	1/4	3,662.84
1/2	178.29	1/2	566.45	1/2	954.00	1/2	1,342.09	1/2	1,730.30	1/2	2,118.50	1/2	2,506.71	1/2	2,894.81	1/2	3,282.86	1/2	3,670.93
3/4	186.38	3/4	574.54	3/4	962.07	3/4	1,350.18	3/4	1,738.39	3/4	2,126.59	3/4	2,514.80	3/4	2,902.89	3/4	3,290.95	3/4	3,679.01
6	194.47	6	582.63	6	970.13	6	1,358.27	6	1,746.47	6	2,134.68	6	2,522.88	6	2,910.98	6	3,299.03	6	3,687.10
1/4	202.56	1/4	590.72	1/4	978.21	1/4	1,366.36	1/4	1,754.56	1/4	2,142.77	1/4	2,530.97	1/4	2,919.06	1/4	3,307.12	1/4	3,695.18
1/2	210.64	1/2	598.81	1/2	986.28	1/2	1,374.44	1/2	1,762.65	1/2	2,150.85	1/2	2,539.06	1/2	2,927.15	1/2	3,315.20	1/2	3,703.27
3/4	218.73	3/4	606.89	3/4	994.35	3/4	1,382.53	3/4	1,770.74	3/4	2,158.94	3/4	2,547.15	3/4	2,935.23	3/4	3,323.29	3/4	3,711.35
7	226.82	7	614.98	7	1,002.43	7	1,390.62	7	1,778.82	7	2,167.03	7	2,555.23	7	2,943.31	7	3,331.37	7	3,719.43
1/4	234.91	1/4	623.07	1/4	1,010.51	1/4	1,398.71	1/4	1,786.91	1/4	2,175.12	1/4	2,563.33	1/4	2,951.40	1/4	3,339.46	1/4	3,727.52
1/2	242.99	1/2	631.16	1/2	1,018.60	1/2	1,406.80	1/2	1,795.00	1/2	2,183.20	1/2	2,571.42	1/2	2,959.48	1/2	3,347.54	1/2	3,735.60
3/4	251.08	3/4	639.24	3/4	1,026.68	3/4	1,414.88	3/4	1,803.09	3/4	2,191.29	3/4	2,579.51	3/4	2,967.57	3/4	3,355.62	3/4	3,743.69
8	259.17	8	647.33	8	1,034.77	8	1,422.97	8	1,811.18	8	2,199.38	8	2,587.60	8	2,975.65	8	3,363.71	8	3,751.77
1/4	267.26	1/4	655.42	1/4	1,042.85	1/4	1,431.06	1/4	1,819.26	1/4	2,207.47	1/4	2,595.68	1/4	2,983.74	1/4	3,371.79	1/4	3,759.86
1/2	275.34	1/2	663.51	1/2	1,050.94	1/2	1,439.15	1/2	1,827.35	1/2	2,215.56	1/2	2,603.77	1/2	2,991.82	1/2	3,379.88	1/2	3,767.94
3/4	283.43	3/4	671.59	3/4	1,059.03	3/4	1,447.23	3/4	1,835.44	3/4	2,223.64	3/4	2,611.85	3/4	2,999.91	3/4	3,387.96	3/4	3,776.03
9	291.52	9	679.68	9	1,067.12	9	1,455.32	9	1,843.53	9	2,231.73	9	2,619.93	9	3,007.99	9	3,396.05	9	3,784.11
1/4	299.61	1/4	687.77	1/4	1,075.20	1/4	1,463.41	1/4	1,851.61	1/4	2,239.82	1/4	2,628.02	1/4	3,016.08	1/4	3,404.13	1/4	3,792.19
1/2	307.69	1/2	695.85	1/2	1,083.29	1/2	1,471.50	1/2	1,859.70	1/2	2,247.91	1/2	2,636.10	1/2	3,024.16	1/2	3,412.22	1/2	3,800.28
3/4	315.78	3/4	703.94	3/4	1,091.38	3/4	1,479.58	3/4	1,867.79	3/4	2,255.99	3/4	2,644.19	3/4	3,032.24	3/4	3,420.30	3/4	3,808.36
10	323.87	10	712.02	10	1,099.47	10	1,487.67	10	1,875.88	10	2,264.08	10	2,652.27	10	3,040.33	10	3,428.38	10	3,816.45
1/4	331.96	1/4	720.09	1/4	1,107.55	1/4	1,495.76	1/4	1,883.96	1/4	2,272.17	1/4	2,660.36	1/4	3,048.41	1/4	3,436.47	1/4	3,824.53
1/2	340.05	1/2	728.17	1/2	1,115.64	1/2	1,503.85	1/2	1,892.05	1/2	2,280.26	1/2	2,668.44	1/2	3,056.50	1/2	3,444.55	1/2	3,832.62
3/4	348.13	3/4	736.24	3/4	1,123.73	3/4	1,511.93	3/4	1,900.14	3/4	2,288.34	3/4	2,676.53	3/4	3,064.58	3/4	3,452.64	3/4	3,840.70
11	356.22	11	744.31	11	1,131.82	11	1,520.02	11	1,908.23	11	2,296.43	11	2,684.61	11	3,072.67	11	3,460.72	11	3,848.79
1/4	364.31	1/4	752.38	1/4	1,139.90	1/4	1,528.11	1/4	1,916.31	1/4	2,304.52	1/4	2,692.70	1/4	3,080.75	1/4	3,468.81	1/4	3,856.87
1/2	372.40	1/2	760.44	1/2	1,147.99	1/2	1,536.20	1/2	1,924.40	1/2	2,312.61	1/2	2,700.78	1/2	3,088.84	1/2	3,476.89	1/2	3,864.95
3/4	380.48	3/4	768.51	3/4	1,156.08	3/4	1,544.28	3/4	1,932.49	3/4	2,320.69	3/4	2,708.86	3/4	3,096.92	3/4	3,484.98	3/4	3,873.04

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-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	3,881.12	0	4,269.17	0	4,655.66	0	5,026.84	0	5,378.72	0		0		0		0		0	
1/4	3,889.21	1/4	4,277.26	1/4	4,663.58	1/4	5,034.34	1/4	5,386.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,897.29	1/2	4,285.34	1/2	4,671.50	1/2	5,041.84	1/2	5,393.45	1/2		1/2		1/2		1/2		1/2	
3/4	3,905.38	3/4	4,293.43	3/4	4,679.41	3/4	5,049.34	3/4	5,400.82	3/4		3/4		3/4		3/4		3/4	
1	3,913.46	1	4,301.51	1	4,687.33	1	5,056.84	1	5,408.18	1		1		1		1		1	
1/4	3,921.54	1/4	4,309.60	1/4	4,695.21	1/4	5,064.31	1/4	5,415.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,929.63	1/2	4,317.68	1/2	4,703.10	1/2	5,071.78	1/2	5,423.80	1/2		1/2		1/2		1/2		1/2	
3/4	3,937.71	3/4	4,325.76	3/4	4,710.98	3/4	5,079.25	3/4	5,431.62	3/4		3/4		3/4		3/4		3/4	
2	3,945.80	2	4,333.85	2	4,718.87	2	5,086.72	2	5,439.43	2		2		2		2		2	
1/4	3,953.88	1/4	4,341.93	1/4	4,726.72	1/4	5,094.15	1/4	5,447.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,961.97	1/2	4,350.02	1/2	4,734.57	1/2	5,101.59	1/2	5,455.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,970.05	3/4	4,358.10	3/4	4,742.43	3/4	5,109.03	3/4	5,463.54	3/4		3/4		3/4		3/4		3/4	
3	3,978.14	3	4,366.19	3	4,750.28	3	5,116.47	3	5,471.58	3		3		3		3		3	
1/4	3,986.22	1/4	4,374.27	1/4	4,758.11	1/4	5,123.88	1/4	5,479.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,994.30	1/2	4,382.36	1/2	4,765.93	1/2	5,131.28	1/2	5,487.45	1/2		1/2		1/2		1/2		1/2	
3/4	4,002.39	3/4	4,390.44	3/4	4,773.75	3/4	5,138.69	3/4	5,495.39	3/4		3/4		3/4		3/4		3/4	
4	4,010.47	4	4,398.52	4	4,781.58	4	5,146.10	4	5,503.32	4		4		4		4		4	
1/4	4,018.56	1/4	4,406.61	1/4	4,789.37	1/4	5,153.48	1/4	5,510.45	1/4		1/4		1/4		1/4		1/4	
1/2	4,026.64	1/2	4,414.69	1/2	4,797.16	1/2	5,160.85	1/2	5,517.58	1/2		1/2		1/2		1/2		1/2	
3/4	4,034.73	3/4	4,422.78	3/4	4,804.95	3/4	5,168.23	3/4	5,524.71	3/4		3/4		3/4		3/4		3/4	
5	4,042.81	5	4,430.86	5	4,812.75	5	5,175.61	5	5,531.84	5		5		5		5		5	
1/4	4,050.90	1/4	4,438.95	1/4	4,820.51	1/4	5,182.95	1/4	5,537.45	1/4		1/4		1/4		1/4		1/4	
1/2	4,058.98	1/2	4,447.03	1/2	4,828.27	1/2	5,190.30	1/2	5,543.06	1/2		1/2		1/2		1/2		1/2	
3/4	4,067.06	3/4	4,455.12	3/4	4,836.03	3/4	5,197.65	3/4	5,548.67	3/4		3/4		3/4		3/4		3/4	
6	4,075.15	6	4,463.20	6	4,843.79	6	5,204.99	6	5,554.28	6		6		6		6		6	
1/4	4,083.23	1/4	4,471.28	1/4	4,851.53	1/4	5,212.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,091.32	1/2	4,479.36	1/2	4,859.26	1/2	5,219.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,099.40	3/4	4,487.44	3/4	4,866.99	3/4	5,226.94	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,107.49	7	4,495.53	7	4,874.72	7	5,234.25	7		7		7		7		7		7	
1/4	4,115.57	1/4	4,503.59	1/4	4,882.42	1/4	5,241.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,123.65	1/2	4,511.66	1/2	4,890.12	1/2	5,248.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,131.74	3/4	4,519.72	3/4	4,897.82	3/4	5,256.11	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,139.82	8	4,527.79	8	4,905.52	8	5,263.39	8		8		8		8		8		8	
1/4	4,147.91	1/4	4,535.83	1/4	4,913.17	1/4	5,270.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,155.99	1/2	4,543.86	1/2	4,920.81	1/2	5,277.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,164.08	3/4	4,551.90	3/4	4,928.46	3/4	5,285.16	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,172.16	9	4,559.94	9	4,936.11	9	5,292.41	9		9		9		9		9		9	
1/4	4,180.25	1/4	4,567.95	1/4	4,943.70	1/4	5,299.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,188.33	1/2	4,575.96	1/2	4,951.29	1/2	5,306.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,196.41	3/4	4,583.96	3/4	4,958.88	3/4	5,314.08	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,204.50	10	4,591.97	10	4,966.47	10	5,321.30	10		10		10		10		10		10	
1/4	4,212.58	1/4	4,599.95	1/4	4,974.03	1/4	5,328.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,220.67	1/2	4,607.93	1/2	4,981.60	1/2	5,335.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,228.75	3/4	4,615.90	3/4	4,989.16	3/4	5,342.88	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,236.84	11	4,623.88	11	4,996.72	11	5,350.07	11		11		11		11		11		11	
1/4	4,244.92	1/4	4,631.83	1/4	5,004.25	1/4	5,357.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,253.01	1/2	4,639.77	1/2	5,011.78	1/2	5,364.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,261.09	3/4	4,647.72	3/4	5,019.31	3/4	5,371.56	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

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





BARGE "CTC 29113"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	13.82	0	387.80	0	770.74	0	1,142.90	0	1,523.61	0	1,911.04	0	2,298.47	0	2,685.85	0	3,073.13	0	3,460.41
1/4	19.20	1/4	395.87	1/4	778.48	1/4	1,150.66	1/4	1,531.68	1/4	1,919.11	1/4	2,306.54	1/4	2,693.91	1/4	3,081.20	1/4	3,468.48
1/2	24.58	1/2	403.94	1/2	786.22	1/2	1,158.43	1/2	1,539.75	1/2	1,927.18	1/2	2,314.61	1/2	2,701.98	1/2	3,089.27	1/2	3,476.55
3/4	29.96	3/4	412.01	3/4	793.96	3/4	1,166.19	3/4	1,547.82	3/4	1,935.25	3/4	2,322.69	3/4	2,710.05	3/4	3,097.33	3/4	3,484.62
1	35.34	1	420.08	1	801.70	1	1,173.96	1	1,555.89	1	1,943.33	1	2,330.76	1	2,718.12	1	3,105.40	1	3,492.69
1/4	42.74	1/4	428.14	1/4	809.45	1/4	1,181.73	1/4	1,563.96	1/4	1,951.40	1/4	2,338.83	1/4	2,726.19	1/4	3,113.47	1/4	3,500.75
1/2	50.14	1/2	436.21	1/2	817.19	1/2	1,189.49	1/2	1,572.04	1/2	1,959.47	1/2	2,346.90	1/2	2,734.26	1/2	3,121.54	1/2	3,508.82
3/4	57.54	3/4	444.28	3/4	824.93	3/4	1,197.26	3/4	1,580.11	3/4	1,967.54	3/4	2,354.97	3/4	2,742.33	3/4	3,129.61	3/4	3,516.89
2	64.94	2	452.34	2	832.68	2	1,205.02	2	1,588.18	2	1,975.61	2	2,363.04	2	2,750.39	2	3,137.68	2	3,524.96
1/4	73.01	1/4	460.41	1/4	840.42	1/4	1,212.79	1/4	1,596.25	1/4	1,983.68	1/4	2,371.11	1/4	2,758.46	1/4	3,145.75	1/4	3,533.03
1/2	81.08	1/2	468.48	1/2	848.16	1/2	1,220.56	1/2	1,604.32	1/2	1,991.75	1/2	2,379.19	1/2	2,766.53	1/2	3,153.81	1/2	3,541.10
3/4	89.15	3/4	476.54	3/4	855.91	3/4	1,228.32	3/4	1,612.39	3/4	1,999.83	3/4	2,387.26	3/4	2,774.60	3/4	3,161.88	3/4	3,549.17
3	97.22	3	484.61	3	863.65	3	1,236.09	3	1,620.47	3	2,007.90	3	2,395.33	3	2,782.67	3	3,169.95	3	3,557.23
1/4	105.29	1/4	492.68	1/4	871.40	1/4	1,243.85	1/4	1,628.54	1/4	2,015.97	1/4	2,403.40	1/4	2,790.74	1/4	3,178.02	1/4	3,565.30
1/2	113.36	1/2	500.75	1/2	879.14	1/2	1,251.62	1/2	1,636.61	1/2	2,024.04	1/2	2,411.47	1/2	2,798.80	1/2	3,186.09	1/2	3,573.37
3/4	121.44	3/4	508.82	3/4	886.88	3/4	1,259.39	3/4	1,644.68	3/4	2,032.11	3/4	2,419.54	3/4	2,806.87	3/4	3,194.16	3/4	3,581.44
4	129.51	4	516.89	4	894.63	4	1,267.15	4	1,652.75	4	2,040.18	4	2,427.62	4	2,814.94	4	3,202.22	4	3,589.51
1/4	137.58	1/4	524.96	1/4	902.37	1/4	1,274.92	1/4	1,660.82	1/4	2,048.25	1/4	2,435.69	1/4	2,823.01	1/4	3,210.29	1/4	3,597.57
1/2	145.65	1/2	533.03	1/2	910.12	1/2	1,282.68	1/2	1,668.89	1/2	2,056.33	1/2	2,443.76	1/2	2,831.08	1/2	3,218.36	1/2	3,605.64
3/4	153.72	3/4	541.11	3/4	917.86	3/4	1,290.45	3/4	1,676.97	3/4	2,064.40	3/4	2,451.83	3/4	2,839.15	3/4	3,226.43	3/4	3,613.71
5	161.79	5	549.18	5	925.61	5	1,298.22	5	1,685.04	5	2,072.47	5	2,459.90	5	2,847.21	5	3,234.50	5	3,621.78
1/4	169.87	1/4	557.25	1/4	933.35	1/4	1,306.13	1/4	1,693.11	1/4	2,080.54	1/4	2,467.97	1/4	2,855.28	1/4	3,242.57	1/4	3,629.85
1/2	177.94	1/2	565.32	1/2	941.09	1/2	1,314.05	1/2	1,701.18	1/2	2,088.61	1/2	2,476.04	1/2	2,863.35	1/2	3,250.63	1/2	3,637.91
3/4	186.01	3/4	573.39	3/4	948.84	3/4	1,321.97	3/4	1,709.25	3/4	2,096.68	3/4	2,484.12	3/4	2,871.42	3/4	3,258.70	3/4	3,645.98
6	194.08	6	581.46	6	956.58	6	1,329.89	6	1,717.32	6	2,104.76	6	2,492.19	6	2,879.49	6	3,266.77	6	3,654.05
1/4	202.15	1/4	589.53	1/4	964.33	1/4	1,337.96	1/4	1,725.39	1/4	2,112.83	1/4	2,500.26	1/4	2,887.56	1/4	3,274.84	1/4	3,662.12
1/2	210.22	1/2	597.61	1/2	972.09	1/2	1,346.03	1/2	1,733.47	1/2	2,120.90	1/2	2,508.33	1/2	2,895.62	1/2	3,282.91	1/2	3,670.19
3/4	218.29	3/4	605.68	3/4	979.84	3/4	1,354.11	3/4	1,741.54	3/4	2,128.97	3/4	2,516.40	3/4	2,903.69	3/4	3,290.98	3/4	3,678.26
7	226.37	7	613.75	7	987.59	7	1,362.18	7	1,749.61	7	2,137.04	7	2,524.47	7	2,911.76	7	3,299.04	7	3,686.32
1/4	234.44	1/4	621.82	1/4	995.35	1/4	1,370.25	1/4	1,757.68	1/4	2,145.11	1/4	2,532.54	1/4	2,919.83	1/4	3,307.11	1/4	3,694.39
1/2	242.51	1/2	629.89	1/2	1,003.11	1/2	1,378.32	1/2	1,765.75	1/2	2,153.18	1/2	2,540.61	1/2	2,927.90	1/2	3,315.18	1/2	3,702.46
3/4	250.58	3/4	637.96	3/4	1,010.88	3/4	1,386.39	3/4	1,773.82	3/4	2,161.26	3/4	2,548.68	3/4	2,935.97	3/4	3,323.25	3/4	3,710.53
8	258.65	8	646.03	8	1,018.64	8	1,394.46	8	1,781.90	8	2,169.33	8	2,556.75	8	2,944.04	8	3,331.32	8	3,718.60
1/4	266.72	1/4	653.95	1/4	1,026.41	1/4	1,402.53	1/4	1,789.97	1/4	2,177.40	1/4	2,564.82	1/4	2,952.10	1/4	3,339.39	1/4	3,726.67
1/2	274.79	1/2	661.87	1/2	1,034.17	1/2	1,410.61	1/2	1,798.04	1/2	2,185.47	1/2	2,572.89	1/2	2,960.17	1/2	3,347.46	1/2	3,734.73
3/4	282.87	3/4	669.79	3/4	1,041.94	3/4	1,418.68	3/4	1,806.11	3/4	2,193.54	3/4	2,580.96	3/4	2,968.24	3/4	3,355.52	3/4	3,742.80
9	290.94	9	677.71	9	1,049.70	9	1,426.75	9	1,814.18	9	2,201.61	9	2,589.03	9	2,976.31	9	3,363.59	9	3,750.87
1/4	299.01	1/4	685.47	1/4	1,057.47	1/4	1,434.82	1/4	1,822.25	1/4	2,209.68	1/4	2,597.09	1/4	2,984.38	1/4	3,371.66	1/4	3,758.94
1/2	307.08	1/2	693.23	1/2	1,065.24	1/2	1,442.89	1/2	1,830.32	1/2	2,217.76	1/2	2,605.16	1/2	2,992.45	1/2	3,379.73	1/2	3,767.01
3/4	315.15	3/4	701.00	3/4	1,073.00	3/4	1,450.96	3/4	1,838.40	3/4	2,225.83	3/4	2,613.23	3/4	3,000.51	3/4	3,387.80	3/4	3,775.08
10	323.22	10	708.76	10	1,080.77	10	1,459.04	10	1,846.47	10	2,233.90	10	2,621.30	10	3,008.58	10	3,395.87	10	3,783.14
1/4	331.30	1/4	716.51	1/4	1,088.53	1/4	1,467.11	1/4	1,854.54	1/4	2,241.97	1/4	2,629.37	1/4	3,016.65	1/4	3,403.93	1/4	3,791.21
1/2	339.37	1/2	724.26	1/2	1,096.30	1/2	1,475.18	1/2	1,862.61	1/2	2,250.04	1/2	2,637.44	1/2	3,024.72	1/2	3,412.00	1/2	3,799.28
3/4	347.44	3/4	732.02	3/4	1,104.07	3/4	1,483.25	3/4	1,870.68	3/4	2,258.11	3/4	2,645.50	3/4	3,032.79	3/4	3,420.07	3/4	3,807.35
11	355.51	11	739.77	11	1,111.83	11	1,491.32	11	1,878.75	11	2,266.19	11	2,653.57	11	3,040.86	11	3,428.14	11	3,815.42
1/4	363.58	1/4	747.51	1/4	1,119.60	1/4	1,499.39	1/4	1,886.82	1/4	2,274.26	1/4	2,661.64	1/4	3,048.92	1/4	3,436.21	1/4	3,823.49
1/2	371.65	1/2	755.25	1/2	1,127.36	1/2	1,507.46	1/2	1,894.90	1/2	2,282.33	1/2	2,669.71	1/2	3,056.99	1/2	3,444.28	1/2	3,831.55
3/4	379.72	3/4	763.00	3/4	1,135.13	3/4	1,515.54	3/4	1,902.97	3/4	2,290.40	3/4	2,677.78	3/4	3,065.06	3/4	3,452.34	3/4	3,839.62

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-05 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	3,847.69	0	4,234.97	0	4,620.68	0	4,991.13	0	5,342.34	0		0		0		0		0	
1/4	3,855.76	1/4	4,243.04	1/4	4,628.58	1/4	4,998.61	1/4	5,349.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,863.83	1/2	4,251.11	1/2	4,636.48	1/2	5,006.10	1/2	5,357.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,871.90	3/4	4,259.17	3/4	4,644.38	3/4	5,013.58	3/4	5,364.39	3/4		3/4		3/4		3/4		3/4	
1	3,879.96	1	4,267.24	1	4,652.28	1	5,021.07	1	5,371.74	1		1		1		1		1	
1/4	3,888.03	1/4	4,275.31	1/4	4,660.15	1/4	5,028.52	1/4	5,379.54	1/4		1/4		1/4		1/4		1/4	
1/2	3,896.10	1/2	4,283.38	1/2	4,668.02	1/2	5,035.98	1/2	5,387.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,904.17	3/4	4,291.45	3/4	4,675.89	3/4	5,043.43	3/4	5,395.13	3/4		3/4		3/4		3/4		3/4	
2	3,912.24	2	4,299.52	2	4,683.76	2	5,050.89	2	5,402.92	2		2		2		2		2	
1/4	3,920.31	1/4	4,307.58	1/4	4,691.59	1/4	5,058.31	1/4	5,410.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,928.37	1/2	4,315.65	1/2	4,699.43	1/2	5,065.74	1/2	5,418.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,936.44	3/4	4,323.72	3/4	4,707.27	3/4	5,073.16	3/4	5,426.99	3/4		3/4		3/4		3/4		3/4	
3	3,944.51	3	4,331.79	3	4,715.11	3	5,080.58	3	5,435.01	3		3		3		3		3	
1/4	3,952.58	1/4	4,339.86	1/4	4,722.92	1/4	5,087.98	1/4	5,442.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,960.65	1/2	4,347.93	1/2	4,730.73	1/2	5,095.37	1/2	5,450.85	1/2		1/2		1/2		1/2		1/2	
3/4	3,968.72	3/4	4,355.99	3/4	4,738.53	3/4	5,102.76	3/4	5,458.77	3/4		3/4		3/4		3/4		3/4	
4	3,976.78	4	4,364.06	4	4,746.34	4	5,110.16	4	5,466.69	4		4		4		4		4	
1/4	3,984.85	1/4	4,372.13	1/4	4,754.12	1/4	5,117.52	1/4	5,473.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,992.92	1/2	4,380.20	1/2	4,761.90	1/2	5,124.88	1/2	5,480.92	1/2		1/2		1/2		1/2		1/2	
3/4	4,000.99	3/4	4,388.27	3/4	4,769.67	3/4	5,132.25	3/4	5,488.03	3/4		3/4		3/4		3/4		3/4	
5	4,009.06	5	4,396.34	5	4,777.45	5	5,139.61	5	5,495.14	5		5		5		5		5	
1/4	4,017.12	1/4	4,404.40	1/4	4,785.20	1/4	5,146.94	1/4	5,500.74	1/4		1/4		1/4		1/4		1/4	
1/2	4,025.19	1/2	4,412.47	1/2	4,792.94	1/2	5,154.27	1/2	5,506.34	1/2		1/2		1/2		1/2		1/2	
3/4	4,033.26	3/4	4,420.54	3/4	4,800.69	3/4	5,161.60	3/4	5,511.94	3/4		3/4		3/4		3/4		3/4	
6	4,041.33	6	4,428.61	6	4,808.44	6	5,168.94	6	5,517.54	6		6		6		6		6	
1/4	4,049.40	1/4	4,436.67	1/4	4,816.15	1/4	5,176.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,057.47	1/2	4,444.73	1/2	4,823.87	1/2	5,183.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,065.53	3/4	4,452.80	3/4	4,831.59	3/4	5,190.84	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,073.60	7	4,460.86	7	4,839.30	7	5,198.14	7		7		7		7		7		7	
1/4	4,081.67	1/4	4,468.91	1/4	4,846.99	1/4	5,205.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,089.74	1/2	4,476.96	1/2	4,854.67	1/2	5,212.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,097.81	3/4	4,485.01	3/4	4,862.36	3/4	5,219.96	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,105.88	8	4,493.06	8	4,870.04	8	5,227.23	8		8		8		8		8		8	
1/4	4,113.94	1/4	4,501.08	1/4	4,877.68	1/4	5,234.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,122.01	1/2	4,509.10	1/2	4,885.31	1/2	5,241.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,130.08	3/4	4,517.12	3/4	4,892.94	3/4	5,248.95	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,138.15	9	4,525.15	9	4,900.57	9	5,256.19	9		9		9		9		9		9	
1/4	4,146.22	1/4	4,533.14	1/4	4,908.15	1/4	5,263.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,154.29	1/2	4,541.13	1/2	4,915.72	1/2	5,270.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,162.35	3/4	4,549.12	3/4	4,923.30	3/4	5,277.82	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,170.42	10	4,557.11	10	4,930.88	10	5,285.03	10		10		10		10		10		10	
1/4	4,178.49	1/4	4,565.07	1/4	4,938.42	1/4	5,292.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,186.56	1/2	4,573.04	1/2	4,945.97	1/2	5,299.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,194.63	3/4	4,581.00	3/4	4,953.52	3/4	5,306.56	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,202.70	11	4,588.96	11	4,961.06	11	5,313.74	11		11		11		11		11		11	
1/4	4,210.76	1/4	4,596.89	1/4	4,968.58	1/4	5,320.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,218.83	1/2	4,604.82	1/2	4,976.10	1/2	5,328.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,226.90	3/4	4,612.75	3/4	4,983.61	3/4	5,335.19	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022



BARGE "CTC 29113"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-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	12.89	0	361.19	0	719.06	0	1,072.57	0	1,433.23	0	1,793.87	0	2,154.00	0	2,514.52	0	2,874.87	0	3,235.22
1/4	17.90	1/4	368.70	1/4	726.35	1/4	1,080.08	1/4	1,440.74	1/4	1,801.38	1/4	2,161.50	1/4	2,522.03	1/4	2,882.38	1/4	3,242.73
1/2	22.92	1/2	376.22	1/2	733.65	1/2	1,087.60	1/2	1,448.25	1/2	1,808.90	1/2	2,169.00	1/2	2,529.54	1/2	2,889.89	1/2	3,250.24
3/4	27.93	3/4	383.73	3/4	740.95	3/4	1,095.11	3/4	1,455.77	3/4	1,816.41	3/4	2,176.50	3/4	2,537.05	3/4	2,897.40	3/4	3,257.75
1	32.94	1	391.25	1	748.24	1	1,102.63	1	1,463.28	1	1,823.92	1	2,184.00	1	2,544.55	1	2,904.90	1	3,265.25
1/4	39.83	1/4	398.76	1/4	755.54	1/4	1,110.14	1/4	1,470.79	1/4	1,831.44	1/4	2,191.50	1/4	2,552.06	1/4	2,912.41	1/4	3,272.76
1/2	46.72	1/2	406.27	1/2	762.84	1/2	1,117.65	1/2	1,478.31	1/2	1,838.95	1/2	2,199.00	1/2	2,559.57	1/2	2,919.92	1/2	3,280.27
3/4	53.61	3/4	413.79	3/4	770.14	3/4	1,125.17	3/4	1,485.82	3/4	1,846.46	3/4	2,206.50	3/4	2,567.07	3/4	2,927.42	3/4	3,287.78
2	60.50	2	421.30	2	777.44	2	1,132.68	2	1,493.33	2	1,853.98	2	2,214.00	2	2,574.58	2	2,934.93	2	3,295.28
1/4	68.02	1/4	428.81	1/4	784.74	1/4	1,140.20	1/4	1,500.85	1/4	1,861.48	1/4	2,221.51	1/4	2,582.09	1/4	2,942.44	1/4	3,302.79
1/2	75.54	1/2	436.32	1/2	792.04	1/2	1,147.71	1/2	1,508.36	1/2	1,868.99	1/2	2,229.02	1/2	2,589.60	1/2	2,949.95	1/2	3,310.30
3/4	83.05	3/4	443.84	3/4	799.34	3/4	1,155.22	3/4	1,515.87	3/4	1,876.49	3/4	2,236.53	3/4	2,597.10	3/4	2,957.45	3/4	3,317.80
3	90.57	3	451.35	3	806.64	3	1,162.74	3	1,523.39	3	1,884.00	3	2,244.04	3	2,604.61	3	2,964.96	3	3,325.31
1/4	98.09	1/4	458.86	1/4	813.94	1/4	1,170.25	1/4	1,530.90	1/4	1,891.50	1/4	2,251.55	1/4	2,612.12	1/4	2,972.47	1/4	3,332.82
1/2	105.60	1/2	466.38	1/2	821.24	1/2	1,177.77	1/2	1,538.41	1/2	1,899.00	1/2	2,259.07	1/2	2,619.63	1/2	2,979.98	1/2	3,340.33
3/4	113.12	3/4	473.90	3/4	828.54	3/4	1,185.28	3/4	1,545.93	3/4	1,906.50	3/4	2,266.59	3/4	2,627.13	3/4	2,987.48	3/4	3,347.83
4	120.64	4	481.41	4	835.83	4	1,192.79	4	1,553.44	4	1,914.00	4	2,274.10	4	2,634.64	4	2,994.99	4	3,355.34
1/4	128.16	1/4	488.93	1/4	843.13	1/4	1,200.31	1/4	1,560.95	1/4	1,921.50	1/4	2,281.62	1/4	2,642.15	1/4	3,002.50	1/4	3,362.79
1/2	135.67	1/2	496.45	1/2	850.43	1/2	1,207.82	1/2	1,568.47	1/2	1,929.00	1/2	2,289.14	1/2	2,649.65	1/2	3,010.00	1/2	3,370.24
3/4	143.19	3/4	503.96	3/4	857.73	3/4	1,215.33	3/4	1,575.98	3/4	1,936.50	3/4	2,296.65	3/4	2,657.16	3/4	3,017.51	3/4	3,377.69
5	150.71	5	511.48	5	865.03	5	1,222.85	5	1,583.49	5	1,944.00	5	2,304.17	5	2,664.67	5	3,025.02	5	3,385.14
1/4	158.22	1/4	519.00	1/4	872.33	1/4	1,230.36	1/4	1,591.01	1/4	1,951.50	1/4	2,311.69	1/4	2,672.18	1/4	3,032.53	1/4	3,392.54
1/2	165.74	1/2	526.51	1/2	879.63	1/2	1,237.88	1/2	1,598.52	1/2	1,959.00	1/2	2,319.20	1/2	2,679.68	1/2	3,040.03	1/2	3,399.94
3/4	173.26	3/4	534.03	3/4	886.93	3/4	1,245.39	3/4	1,606.03	3/4	1,966.50	3/4	2,326.72	3/4	2,687.19	3/4	3,047.54	3/4	3,407.33
6	180.78	6	541.55	6	894.23	6	1,252.90	6	1,613.55	6	1,974.00	6	2,334.24	6	2,694.70	6	3,055.05	6	3,414.73
1/4	188.29	1/4	549.07	1/4	901.54	1/4	1,260.42	1/4	1,621.06	1/4	1,981.50	1/4	2,341.75	1/4	2,702.21	1/4	3,062.56	1/4	3,422.13
1/2	195.81	1/2	556.58	1/2	908.85	1/2	1,267.93	1/2	1,628.57	1/2	1,989.00	1/2	2,349.27	1/2	2,709.71	1/2	3,070.06	1/2	3,429.53
3/4	203.33	3/4	564.10	3/4	916.15	3/4	1,275.45	3/4	1,636.09	3/4	1,996.50	3/4	2,356.79	3/4	2,717.22	3/4	3,077.57	3/4	3,436.92
7	210.85	7	571.62	7	923.46	7	1,282.96	7	1,643.60	7	2,004.00	7	2,364.30	7	2,724.73	7	3,085.08	7	3,444.32
1/4	218.36	1/4	579.13	1/4	930.78	1/4	1,290.47	1/4	1,651.11	1/4	2,011.50	1/4	2,371.82	1/4	2,732.23	1/4	3,092.59	1/4	3,451.72
1/2	225.88	1/2	586.65	1/2	938.10	1/2	1,297.99	1/2	1,658.63	1/2	2,019.00	1/2	2,379.33	1/2	2,739.74	1/2	3,100.09	1/2	3,459.11
3/4	233.40	3/4	594.17	3/4	945.41	3/4	1,305.50	3/4	1,666.14	3/4	2,026.50	3/4	2,386.85	3/4	2,747.25	3/4	3,107.60	3/4	3,466.51
8	240.91	8	601.69	8	952.73	8	1,313.01	8	1,673.65	8	2,034.00	8	2,394.36	8	2,754.76	8	3,115.11	8	3,473.90
1/4	248.43	1/4	609.10	1/4	960.15	1/4	1,320.52	1/4	1,681.17	1/4	2,041.50	1/4	2,401.88	1/4	2,762.26	1/4	3,122.61	1/4	3,481.30
1/2	255.95	1/2	616.52	1/2	967.57	1/2	1,328.04	1/2	1,688.68	1/2	2,049.00	1/2	2,409.39	1/2	2,769.77	1/2	3,130.12	1/2	3,488.70
3/4	263.47	3/4	623.94	3/4	974.99	3/4	1,335.55	3/4	1,696.19	3/4	2,056.50	3/4	2,416.91	3/4	2,777.28	3/4	3,137.63	3/4	3,496.09
9	270.98	9	631.36	9	982.40	9	1,343.06	9	1,703.71	9	2,064.00	9	2,424.42	9	2,784.79	9	3,145.14	9	3,503.49
1/4	278.50	1/4	638.68	1/4	989.92	1/4	1,350.58	1/4	1,711.22	1/4	2,071.50	1/4	2,431.93	1/4	2,792.29	1/4	3,152.64	1/4	3,510.89
1/2	286.02	1/2	646.00	1/2	997.43	1/2	1,358.09	1/2	1,718.73	1/2	2,079.00	1/2	2,439.44	1/2	2,799.80	1/2	3,160.15	1/2	3,518.28
3/4	293.53	3/4	653.32	3/4	1,004.95	3/4	1,365.60	3/4	1,726.25	3/4	2,086.50	3/4	2,446.95	3/4	2,807.31	3/4	3,167.66	3/4	3,525.68
10	301.05	10	660.63	10	1,012.46	10	1,373.12	10	1,733.76	10	2,094.00	10	2,454.46	10	2,814.82	10	3,175.17	10	3,533.08
1/4	308.57	1/4	667.94	1/4	1,019.97	1/4	1,380.63	1/4	1,741.27	1/4	2,101.50	1/4	2,461.97	1/4	2,822.32	1/4	3,182.67	1/4	3,540.53
1/2	316.09	1/2	675.25	1/2	1,027.49	1/2	1,388.15	1/2	1,748.79	1/2	2,109.00	1/2	2,469.48	1/2	2,829.83	1/2	3,190.18	1/2	3,547.98
3/4	323.60	3/4	682.56	3/4	1,035.00	3/4	1,395.66	3/4	1,756.30	3/4	2,116.50	3/4	2,476.99	3/4	2,837.34	3/4	3,197.69	3/4	3,555.43
11	331.12	11	689.86	11	1,042.52	11	1,403.17	11	1,763.82	11	2,124.00	11	2,484.49	11	2,844.84	11	3,205.19	11	3,562.88
1/4	338.64	1/4	697.16	1/4	1,050.03	1/4	1,410.69	1/4	1,771.33	1/4	2,131.50	1/4	2,492.00	1/4	2,852.35	1/4	3,212.70	1/4	3,569.90
1/2	346.15	1/2	704.46	1/2	1,057.54	1/2	1,418.20	1/2	1,778.84	1/2	2,139.00	1/2	2,499.51	1/2	2,859.86	1/2	3,220.21	1/2	3,576.93
3/4	353.67	3/4	711.76	3/4	1,065.06	3/4	1,425.71	3/4	1,786.36	3/4	2,146.50	3/4	2,507.02	3/4	2,867.37	3/4	3,227.72	3/4	3,583.95

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-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	3,590.97	0	3,859.82	0	4,125.27	0	4,376.62	0	4,609.76	0		0		0		0		0	
1/4	3,597.02	1/4	3,865.38	1/4	4,130.67	1/4	4,381.65	1/4	4,614.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.07	1/2	3,870.94	1/2	4,136.07	1/2	4,386.68	1/2	4,619.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,609.12	3/4	3,876.50	3/4	4,141.48	3/4	4,391.71	3/4	4,624.28	3/4		3/4		3/4		3/4		3/4	
1	3,615.16	1	3,882.06	1	4,146.88	1	4,396.74	1	4,629.11	1		1		1		1		1	
1/4	3,620.73	1/4	3,887.62	1/4	4,152.25	1/4	4,401.73	1/4	4,634.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.29	1/2	3,893.18	1/2	4,157.63	1/2	4,406.73	1/2	4,639.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,631.85	3/4	3,898.75	3/4	4,163.00	3/4	4,411.73	3/4	4,644.87	3/4		3/4		3/4		3/4		3/4	
2	3,637.41	2	3,904.31	2	4,168.38	2	4,416.73	2	4,650.12	2		2		2		2		2	
1/4	3,642.97	1/4	3,909.87	1/4	4,173.72	1/4	4,421.70	1/4	4,655.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,648.53	1/2	3,915.43	1/2	4,179.07	1/2	4,426.67	1/2	4,661.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,654.09	3/4	3,920.99	3/4	4,184.42	3/4	4,431.65	3/4	4,666.51	3/4		3/4		3/4		3/4		3/4	
3	3,659.65	3	3,926.55	3	4,189.76	3	4,436.62	3	4,671.97	3		3		3		3		3	
1/4	3,665.21	1/4	3,932.11	1/4	4,195.08	1/4	4,441.56	1/4	4,677.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.77	1/2	3,937.67	1/2	4,200.40	1/2	4,446.50	1/2	4,682.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.33	3/4	3,943.23	3/4	4,205.71	3/4	4,451.44	3/4	4,688.07	3/4		3/4		3/4		3/4		3/4	
4	3,681.89	4	3,948.79	4	4,211.03	4	4,456.38	4	4,693.44	4		4		4		4		4	
1/4	3,687.45	1/4	3,954.35	1/4	4,216.32	1/4	4,461.30	1/4	4,698.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,693.01	1/2	3,959.91	1/2	4,221.61	1/2	4,466.21	1/2	4,702.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,698.57	3/4	3,965.47	3/4	4,226.90	3/4	4,471.13	3/4	4,707.29	3/4		3/4		3/4		3/4		3/4	
5	3,704.13	5	3,971.03	5	4,232.19	5	4,476.04	5	4,711.91	5		5		5		5		5	
1/4	3,709.69	1/4	3,976.59	1/4	4,237.45	1/4	4,480.92	1/4	4,715.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,715.25	1/2	3,982.15	1/2	4,242.71	1/2	4,485.81	1/2	4,718.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,720.81	3/4	3,987.71	3/4	4,247.97	3/4	4,490.69	3/4	4,721.53	3/4		3/4		3/4		3/4		3/4	
6	3,726.37	6	3,993.27	6	4,253.23	6	4,495.58	6	4,724.74	6		6		6		6		6	
1/4	3,731.93	1/4	3,998.83	1/4	4,258.46	1/4	4,500.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,737.49	1/2	4,004.39	1/2	4,263.69	1/2	4,505.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.05	3/4	4,009.94	3/4	4,268.92	3/4	4,510.15	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,748.61	7	4,015.50	7	4,274.16	7	4,515.01	7		7		7		7		7		7	
1/4	3,754.17	1/4	4,021.04	1/4	4,279.36	1/4	4,519.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.74	1/2	4,026.58	1/2	4,284.56	1/2	4,524.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,765.30	3/4	4,032.13	3/4	4,289.77	3/4	4,529.49	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,770.86	8	4,037.67	8	4,294.97	8	4,534.32	8		8		8		8		8		8	
1/4	3,776.42	1/4	4,043.19	1/4	4,300.13	1/4	4,539.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,781.98	1/2	4,048.70	1/2	4,305.29	1/2	4,543.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,787.54	3/4	4,054.22	3/4	4,310.45	3/4	4,548.71	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,793.10	9	4,059.74	9	4,315.60	9	4,553.51	9		9		9		9		9		9	
1/4	3,798.66	1/4	4,065.23	1/4	4,320.72	1/4	4,558.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,804.22	1/2	4,070.72	1/2	4,325.83	1/2	4,562.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,809.78	3/4	4,076.21	3/4	4,330.94	3/4	4,567.73	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,815.34	10	4,081.70	10	4,336.06	10	4,572.47	10		10		10		10		10		10	
1/4	3,820.90	1/4	4,087.16	1/4	4,341.14	1/4	4,577.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,826.46	1/2	4,092.62	1/2	4,346.23	1/2	4,581.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,832.02	3/4	4,098.08	3/4	4,351.31	3/4	4,586.50	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,837.58	11	4,103.54	11	4,356.40	11	4,591.17	11		11		11		11		11		11	
1/4	3,843.14	1/4	4,108.97	1/4	4,361.45	1/4	4,595.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,848.70	1/2	4,114.40	1/2	4,366.51	1/2	4,600.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,854.26	3/4	4,119.83	3/4	4,371.57	3/4	4,605.12	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022



BARGE "CTC 29113"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-06"

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	12.90	0	361.11	0	714.79	0	1,058.06	0	1,418.19	0	1,777.78	0	2,133.65	0	2,493.72	0	2,853.56	0	3,213.49
1/4	17.92	1/4	368.62	1/4	721.79	1/4	1,065.55	1/4	1,425.70	1/4	1,785.20	1/4	2,141.14	1/4	2,501.22	1/4	2,861.06	1/4	3,220.98
1/2	22.93	1/2	376.13	1/2	728.79	1/2	1,073.05	1/2	1,433.20	1/2	1,792.61	1/2	2,148.63	1/2	2,508.71	1/2	2,868.55	1/2	3,228.48
3/4	27.95	3/4	383.64	3/4	735.80	3/4	1,080.55	3/4	1,440.70	3/4	1,800.02	3/4	2,156.13	3/4	2,516.20	3/4	2,876.05	3/4	3,235.98
1	32.96	1	391.15	1	742.80	1	1,088.05	1	1,448.21	1	1,807.43	1	2,163.62	1	2,523.70	1	2,883.55	1	3,243.48
1/4	39.86	1/4	398.66	1/4	749.80	1/4	1,095.55	1/4	1,455.71	1/4	1,814.85	1/4	2,171.11	1/4	2,531.19	1/4	2,891.05	1/4	3,250.98
1/2	46.75	1/2	406.17	1/2	756.81	1/2	1,103.05	1/2	1,463.21	1/2	1,822.26	1/2	2,178.61	1/2	2,538.68	1/2	2,898.55	1/2	3,258.48
3/4	53.65	3/4	413.67	3/4	763.81	3/4	1,110.55	3/4	1,470.71	3/4	1,829.67	3/4	2,186.10	3/4	2,546.18	3/4	2,906.05	3/4	3,265.97
2	60.55	2	421.18	2	770.81	2	1,118.06	2	1,478.22	2	1,837.08	2	2,193.59	2	2,553.67	2	2,913.55	2	3,273.47
1/4	68.07	1/4	428.69	1/4	777.82	1/4	1,125.56	1/4	1,485.72	1/4	1,844.49	1/4	2,201.09	1/4	2,561.16	1/4	2,921.04	1/4	3,280.97
1/2	75.59	1/2	436.19	1/2	784.82	1/2	1,133.07	1/2	1,493.22	1/2	1,851.90	1/2	2,208.59	1/2	2,568.66	1/2	2,928.54	1/2	3,288.47
3/4	83.12	3/4	443.70	3/4	791.83	3/4	1,140.58	3/4	1,500.72	3/4	1,859.30	3/4	2,216.09	3/4	2,576.15	3/4	2,936.04	3/4	3,295.97
3	90.64	3	451.21	3	798.83	3	1,148.08	3	1,508.23	3	1,867.71	3	2,223.60	3	2,583.64	3	2,943.54	3	3,303.47
1/4	98.16	1/4	458.72	1/4	805.84	1/4	1,155.59	1/4	1,515.73	1/4	1,874.11	1/4	2,231.10	1/4	2,591.14	1/4	2,951.04	1/4	3,310.97
1/2	105.68	1/2	466.23	1/2	812.84	1/2	1,163.09	1/2	1,523.23	1/2	1,881.51	1/2	2,238.61	1/2	2,598.63	1/2	2,958.54	1/2	3,318.46
3/4	113.21	3/4	473.74	3/4	819.85	3/4	1,170.60	3/4	1,530.74	3/4	1,888.91	3/4	2,246.12	3/4	2,606.12	3/4	2,966.03	3/4	3,325.96
4	120.73	4	481.25	4	826.85	4	1,178.10	4	1,538.24	4	1,896.31	4	2,253.63	4	2,613.62	4	2,973.53	4	3,333.46
1/4	128.25	1/4	488.76	1/4	833.86	1/4	1,185.60	1/4	1,545.74	1/4	1,903.70	1/4	2,261.14	1/4	2,621.11	1/4	2,981.03	1/4	3,340.90
1/2	135.76	1/2	496.27	1/2	840.86	1/2	1,193.11	1/2	1,553.24	1/2	1,911.10	1/2	2,268.65	1/2	2,628.61	1/2	2,988.53	1/2	3,348.35
3/4	143.28	3/4	503.78	3/4	847.87	3/4	1,200.61	3/4	1,560.75	3/4	1,918.50	3/4	2,276.16	3/4	2,636.10	3/4	2,996.03	3/4	3,355.79
5	150.80	5	511.29	5	854.87	5	1,208.11	5	1,568.25	5	1,925.90	5	2,283.67	5	2,643.60	5	3,003.53	5	3,363.23
1/4	158.31	1/4	518.80	1/4	861.87	1/4	1,215.62	1/4	1,575.75	1/4	1,933.30	1/4	2,291.18	1/4	2,651.10	1/4	3,011.03	1/4	3,370.62
1/2	165.82	1/2	526.31	1/2	868.87	1/2	1,223.12	1/2	1,583.25	1/2	1,940.70	1/2	2,298.69	1/2	2,658.60	1/2	3,018.52	1/2	3,378.01
3/4	173.33	3/4	533.83	3/4	875.87	3/4	1,230.62	3/4	1,590.76	3/4	1,948.10	3/4	2,306.20	3/4	2,666.09	3/4	3,026.02	3/4	3,385.40
6	180.84	6	541.34	6	882.87	6	1,238.13	6	1,598.26	6	1,955.50	6	2,313.71	6	2,673.59	6	3,033.52	6	3,392.79
1/4	188.35	1/4	548.85	1/4	889.88	1/4	1,245.63	1/4	1,605.76	1/4	1,962.90	1/4	2,321.22	1/4	2,681.09	1/4	3,041.02	1/4	3,400.18
1/2	195.87	1/2	556.36	1/2	896.89	1/2	1,253.13	1/2	1,613.26	1/2	1,970.30	1/2	2,328.73	1/2	2,688.59	1/2	3,048.52	1/2	3,407.56
3/4	203.38	3/4	563.87	3/4	903.90	3/4	1,260.64	3/4	1,620.77	3/4	1,977.70	3/4	2,336.23	3/4	2,696.09	3/4	3,056.02	3/4	3,414.95
7	210.89	7	571.38	7	910.91	7	1,268.14	7	1,628.27	7	1,985.10	7	2,343.74	7	2,703.59	7	3,063.52	7	3,422.34
1/4	218.40	1/4	578.89	1/4	917.94	1/4	1,275.64	1/4	1,635.77	1/4	1,992.50	1/4	2,351.25	1/4	2,711.09	1/4	3,071.01	1/4	3,429.73
1/2	225.91	1/2	586.41	1/2	924.97	1/2	1,283.15	1/2	1,643.28	1/2	1,999.90	1/2	2,358.76	1/2	2,718.58	1/2	3,078.51	1/2	3,437.13
3/4	233.42	3/4	593.92	3/4	932.00	3/4	1,290.65	3/4	1,650.78	3/4	2,007.30	3/4	2,366.27	3/4	2,726.08	3/4	3,086.01	3/4	3,444.52
8	240.93	8	601.43	8	939.03	8	1,298.15	8	1,658.28	8	2,014.70	8	2,373.78	8	2,733.58	8	3,093.51	8	3,451.91
1/4	248.45	1/4	608.94	1/4	946.29	1/4	1,305.65	1/4	1,665.78	1/4	2,022.10	1/4	2,381.28	1/4	2,741.08	1/4	3,101.01	1/4	3,459.31
1/2	255.96	1/2	615.98	1/2	953.56	1/2	1,313.16	1/2	1,673.29	1/2	2,029.49	1/2	2,388.78	1/2	2,748.58	1/2	3,108.51	1/2	3,466.71
3/4	263.47	3/4	623.26	3/4	960.82	3/4	1,320.66	3/4	1,680.79	3/4	2,036.89	3/4	2,396.29	3/4	2,756.08	3/4	3,116.00	3/4	3,474.11
9	270.98	9	630.54	9	968.09	9	1,328.16	9	1,688.29	9	2,044.29	9	2,403.79	9	2,763.58	9	3,123.50	9	3,481.51
1/4	278.49	1/4	637.57	1/4	975.58	1/4	1,335.67	1/4	1,695.79	1/4	2,051.69	1/4	2,411.29	1/4	2,771.07	1/4	3,131.00	1/4	3,488.91
1/2	286.00	1/2	644.61	1/2	983.08	1/2	1,343.17	1/2	1,703.30	1/2	2,059.09	1/2	2,418.79	1/2	2,778.57	1/2	3,138.50	1/2	3,496.31
3/4	293.51	3/4	651.65	3/4	990.58	3/4	1,350.67	3/4	1,710.80	3/4	2,066.49	3/4	2,426.28	3/4	2,786.07	3/4	3,146.00	3/4	3,503.71
10	301.02	10	658.69	10	998.08	10	1,358.17	10	1,718.30	10	2,073.89	10	2,433.78	10	2,793.57	10	3,153.50	10	3,511.11
1/4	308.54	1/4	665.71	1/4	1,005.57	1/4	1,365.68	1/4	1,725.76	1/4	2,081.34	1/4	2,441.27	1/4	2,801.07	1/4	3,161.00	1/4	3,518.57
1/2	316.05	1/2	672.73	1/2	1,013.07	1/2	1,373.18	1/2	1,733.22	1/2	2,088.78	1/2	2,448.77	1/2	2,808.57	1/2	3,168.49	1/2	3,526.02
3/4	323.56	3/4	679.75	3/4	1,020.57	3/4	1,380.68	3/4	1,740.68	3/4	2,096.23	3/4	2,456.26	3/4	2,816.06	3/4	3,175.99	3/4	3,533.47
11	331.07	11	686.77	11	1,028.07	11	1,388.18	11	1,748.13	11	2,103.68	11	2,463.75	11	2,823.56	11	3,183.49	11	3,540.93
1/4	338.58	1/4	693.78	1/4	1,035.56	1/4	1,395.69	1/4	1,755.55	1/4	2,111.17	1/4	2,471.24	1/4	2,831.06	1/4	3,190.99	1/4	3,547.96
1/2	346.09	1/2	700.78	1/2	1,043.06	1/2	1,403.19	1/2	1,762.96	1/2	2,118.66	1/2	2,478.74	1/2	2,838.56	1/2	3,198.49	1/2	3,554.98
3/4	353.60	3/4	707.79	3/4	1,050.56	3/4	1,410.69	3/4	1,770.37	3/4	2,126.16	3/4	2,486.23	3/4	2,846.06	3/4	3,205.99	3/4	3,562.01

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 INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-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	3,569.04	0	3,838.41	0	4,104.37	0	4,356.28	0	4,590.03	0		0		0		0		0	
1/4	3,575.10	1/4	3,843.98	1/4	4,109.78	1/4	4,361.32	1/4	4,594.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,581.16	1/2	3,849.55	1/2	4,115.20	1/2	4,366.36	1/2	4,599.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,587.21	3/4	3,855.12	3/4	4,120.61	3/4	4,371.40	3/4	4,604.58	3/4		3/4		3/4		3/4		3/4	
1	3,593.27	1	3,860.69	1	4,126.03	1	4,376.44	1	4,609.43	1		1		1		1		1	
1/4	3,598.84	1/4	3,866.26	1/4	4,131.41	1/4	4,381.46	1/4	4,614.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.41	1/2	3,871.83	1/2	4,136.80	1/2	4,386.47	1/2	4,619.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,609.99	3/4	3,877.40	3/4	4,142.18	3/4	4,391.48	3/4	4,625.22	3/4		3/4		3/4		3/4		3/4	
2	3,615.56	2	3,882.97	2	4,147.57	2	4,396.49	2	4,630.48	2		2		2		2		2	
1/4	3,621.13	1/4	3,888.55	1/4	4,152.93	1/4	4,401.47	1/4	4,635.95	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.70	1/2	3,894.12	1/2	4,158.28	1/2	4,406.46	1/2	4,641.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,632.27	3/4	3,899.69	3/4	4,163.64	3/4	4,411.44	3/4	4,646.90	3/4		3/4		3/4		3/4		3/4	
3	3,637.84	3	3,905.26	3	4,169.00	3	4,416.42	3	4,652.37	3		3		3		3		3	
1/4	3,643.41	1/4	3,910.83	1/4	4,174.33	1/4	4,421.38	1/4	4,657.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,648.98	1/2	3,916.40	1/2	4,179.66	1/2	4,426.33	1/2	4,663.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,654.56	3/4	3,921.97	3/4	4,184.99	3/4	4,431.29	3/4	4,668.51	3/4		3/4		3/4		3/4		3/4	
4	3,660.13	4	3,927.54	4	4,190.32	4	4,436.24	4	4,673.89	4		4		4		4		4	
1/4	3,665.70	1/4	3,933.12	1/4	4,195.62	1/4	4,441.17	1/4	4,678.52	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.27	1/2	3,938.69	1/2	4,200.92	1/2	4,446.09	1/2	4,683.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.84	3/4	3,944.26	3/4	4,206.22	3/4	4,451.02	3/4	4,687.77	3/4		3/4		3/4		3/4		3/4	
5	3,682.41	5	3,949.83	5	4,211.52	5	4,455.94	5	4,692.40	5		5		5		5		5	
1/4	3,687.98	1/4	3,955.40	1/4	4,216.79	1/4	4,460.84	1/4	4,695.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,693.55	1/2	3,960.97	1/2	4,222.06	1/2	4,465.74	1/2	4,698.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,699.13	3/4	3,966.54	3/4	4,227.33	3/4	4,470.64	3/4	4,702.05	3/4		3/4		3/4		3/4		3/4	
6	3,704.70	6	3,972.11	6	4,232.60	6	4,475.53	6	4,705.26	6		6		6		6		6	
1/4	3,710.27	1/4	3,977.68	1/4	4,237.85	1/4	4,480.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,715.84	1/2	3,983.25	1/2	4,243.09	1/2	4,485.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,721.41	3/4	3,988.82	3/4	4,248.34	3/4	4,490.14	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,726.98	7	3,994.38	7	4,253.58	7	4,495.01	7		7		7		7		7		7	
1/4	3,732.55	1/4	3,999.94	1/4	4,258.79	1/4	4,499.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,738.12	1/2	4,005.49	1/2	4,264.01	1/2	4,504.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,743.69	3/4	4,011.04	3/4	4,269.22	3/4	4,509.53	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,749.27	8	4,016.60	8	4,274.44	8	4,514.37	8		8		8		8		8		8	
1/4	3,754.84	1/4	4,022.13	1/4	4,279.61	1/4	4,519.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,760.41	1/2	4,027.65	1/2	4,284.78	1/2	4,524.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,765.98	3/4	4,033.18	3/4	4,289.95	3/4	4,528.81	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,771.55	9	4,038.71	9	4,295.12	9	4,533.62	9		9		9		9		9		9	
1/4	3,777.12	1/4	4,044.21	1/4	4,300.25	1/4	4,538.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,782.69	1/2	4,049.71	1/2	4,305.37	1/2	4,543.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,788.26	3/4	4,055.21	3/4	4,310.50	3/4	4,547.87	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,793.84	10	4,060.71	10	4,315.62	10	4,552.62	10		10		10		10		10		10	
1/4	3,799.41	1/4	4,066.18	1/4	4,320.72	1/4	4,557.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,804.98	1/2	4,071.65	1/2	4,325.82	1/2	4,562.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,810.55	3/4	4,077.12	3/4	4,330.91	3/4	4,566.69	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,816.12	11	4,082.60	11	4,336.01	11	4,571.38	11		11		11		11		11		11	
1/4	3,821.69	1/4	4,088.04	1/4	4,341.08	1/4	4,576.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,827.26	1/2	4,093.48	1/2	4,346.15	1/2	4,580.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,832.83	3/4	4,098.93	3/4	4,351.22	3/4	4,585.37	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022



BARGE "CTC 29113"

ULLAGE TRIM TABLE

FORMERLY "BKF 311"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

November 16, 2022

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTC 29113"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	4,581.53	0	4,282.02	0	3,973.48	0	3,648.49	0	3,317.41	0	2,986.33	0	2,655.24	0	2,324.16	0	1,993.07
1/4		1/4	4,576.74	1/4	4,275.75	1/4	3,966.85	1/4	3,641.59	1/4	3,310.51	1/4	2,979.43	1/4	2,648.35	1/4	2,317.26	1/4	1,986.17
1/2		1/2	4,571.96	1/2	4,269.49	1/2	3,960.23	1/2	3,634.69	1/2	3,303.61	1/2	2,972.53	1/2	2,641.45	1/2	2,310.36	1/2	1,979.27
3/4		3/4	4,567.17	3/4	4,263.22	3/4	3,953.61	3/4	3,627.80	3/4	3,296.72	3/4	2,965.64	3/4	2,634.55	3/4	2,303.47	3/4	1,972.37
1		1	4,561.09	1	4,256.92	1	3,946.96	1	3,620.90	1	3,289.82	1	2,958.74	1	2,627.65	1	2,296.57	1	1,965.47
1/4		1/4	4,555.01	1/4	4,250.63	1/4	3,940.31	1/4	3,614.00	1/4	3,282.92	1/4	2,951.84	1/4	2,620.76	1/4	2,289.67	1/4	1,958.57
1/2		1/2	4,548.93	1/2	4,244.33	1/2	3,933.66	1/2	3,607.10	1/2	3,276.02	1/2	2,944.94	1/2	2,613.86	1/2	2,282.77	1/2	1,951.67
3/4		3/4	4,542.84	3/4	4,238.04	3/4	3,927.01	3/4	3,600.21	3/4	3,269.13	3/4	2,938.05	3/4	2,606.96	3/4	2,275.88	3/4	1,944.77
2		2	4,536.07	2	4,231.72	2	3,920.34	2	3,593.31	2	3,262.23	2	2,931.15	2	2,600.06	2	2,268.98	2	1,937.87
1/4		1/4	4,529.30	1/4	4,225.40	1/4	3,913.66	1/4	3,586.41	1/4	3,255.33	1/4	2,924.25	1/4	2,593.17	1/4	2,262.08	1/4	1,930.97
1/2		1/2	4,522.53	1/2	4,219.08	1/2	3,906.99	1/2	3,579.51	1/2	3,248.43	1/2	2,917.35	1/2	2,586.27	1/2	2,255.18	1/2	1,924.07
3/4		3/4	4,515.76	3/4	4,212.76	3/4	3,900.31	3/4	3,572.62	3/4	3,241.54	3/4	2,910.45	3/4	2,579.37	3/4	2,248.29	3/4	1,917.17
3		3	4,508.90	3	4,206.41	3	3,893.61	3	3,565.72	3	3,234.64	3	2,903.56	3	2,572.47	3	2,241.39	3	1,910.27
1/4		1/4	4,502.04	1/4	4,200.06	1/4	3,886.91	1/4	3,558.82	1/4	3,227.74	1/4	2,896.66	1/4	2,565.57	1/4	2,234.49	1/4	1,903.37
1/2		1/2	4,495.19	1/2	4,193.72	1/2	3,880.21	1/2	3,551.92	1/2	3,220.84	1/2	2,889.76	1/2	2,558.68	1/2	2,227.59	1/2	1,896.47
3/4		3/4	4,488.33	3/4	4,187.37	3/4	3,873.51	3/4	3,545.03	3/4	3,213.95	3/4	2,882.86	3/4	2,551.78	3/4	2,220.69	3/4	1,889.57
4		4	4,481.66	4	4,181.00	4	3,866.78	4	3,538.13	4	3,207.05	4	2,875.97	4	2,544.88	4	2,213.80	4	1,882.66
1/4		1/4	4,475.00	1/4	4,174.62	1/4	3,860.06	1/4	3,531.23	1/4	3,200.15	1/4	2,869.07	1/4	2,537.98	1/4	2,206.90	1/4	1,875.76
1/2		1/2	4,468.33	1/2	4,168.25	1/2	3,853.33	1/2	3,524.33	1/2	3,193.25	1/2	2,862.17	1/2	2,531.09	1/2	2,200.00	1/2	1,868.86
3/4		3/4	4,461.67	3/4	4,161.88	3/4	3,846.60	3/4	3,517.44	3/4	3,186.36	3/4	2,855.27	3/4	2,524.19	3/4	2,193.10	3/4	1,861.96
5		5	4,455.38	5	4,155.48	5	3,839.85	5	3,510.54	5	3,179.46	5	2,848.38	5	2,517.29	5	2,186.21	5	1,855.06
1/4		1/4	4,449.10	1/4	4,149.08	1/4	3,833.09	1/4	3,503.64	1/4	3,172.56	1/4	2,841.48	1/4	2,510.39	1/4	2,179.31	1/4	1,848.16
1/2		1/2	4,442.82	1/2	4,142.68	1/2	3,826.34	1/2	3,496.74	1/2	3,165.66	1/2	2,834.58	1/2	2,503.50	1/2	2,172.41	1/2	1,841.26
3/4		3/4	4,436.53	3/4	4,136.28	3/4	3,819.59	3/4	3,489.85	3/4	3,158.77	3/4	2,827.68	3/4	2,496.60	3/4	2,165.51	3/4	1,834.36
6		6	4,430.42	6	4,129.85	6	3,812.81	6	3,482.95	6	3,151.87	6	2,820.79	6	2,489.70	6	2,158.62	6	1,827.46
1/4		1/4	4,424.31	1/4	4,123.43	1/4	3,806.03	1/4	3,476.05	1/4	3,144.97	1/4	2,813.89	1/4	2,482.80	1/4	2,151.72	1/4	1,820.56
1/2		1/2	4,418.20	1/2	4,117.00	1/2	3,799.25	1/2	3,469.15	1/2	3,138.07	1/2	2,806.99	1/2	2,475.91	1/2	2,144.82	1/2	1,813.66
3/4		3/4	4,412.09	3/4	4,110.58	3/4	3,792.47	3/4	3,462.26	3/4	3,131.18	3/4	2,800.09	3/4	2,469.01	3/4	2,137.92	3/4	1,806.76
7		7	4,405.95	7	4,104.13	7	3,785.66	7	3,455.36	7	3,124.28	7	2,793.20	7	2,462.11	7	2,131.03	7	1,799.86
1/4		1/4	4,399.81	1/4	4,097.67	1/4	3,778.86	1/4	3,448.46	1/4	3,117.38	1/4	2,786.30	1/4	2,455.21	1/4	2,124.13	1/4	1,792.96
1/2		1/2	4,393.67	1/2	4,091.22	1/2	3,772.05	1/2	3,441.56	1/2	3,110.48	1/2	2,779.40	1/2	2,448.32	1/2	2,117.23	1/2	1,786.06
3/4		3/4	4,387.54	3/4	4,084.77	3/4	3,765.25	3/4	3,434.67	3/4	3,103.59	3/4	2,772.50	3/4	2,441.42	3/4	2,110.33	3/4	1,779.16
8		8	4,381.37	8	4,078.29	8	3,758.41	8	3,427.77	8	3,096.69	8	2,765.61	8	2,434.52	8	2,103.44	8	1,772.26
1/4		1/4	4,375.21	1/4	4,071.81	1/4	3,751.58	1/4	3,420.87	1/4	3,089.79	1/4	2,758.71	1/4	2,427.62	1/4	2,096.54	1/4	1,765.36
1/2		1/2	4,369.05	1/2	4,065.34	1/2	3,744.75	1/2	3,413.97	1/2	3,082.89	1/2	2,751.81	1/2	2,420.73	1/2	2,089.64	1/2	1,758.46
3/4		3/4	4,362.88	3/4	4,058.86	3/4	3,737.92	3/4	3,407.08	3/4	3,076.00	3/4	2,744.91	3/4	2,413.83	3/4	2,082.74	3/4	1,751.56
9		9	4,356.69	9	4,052.33	9	3,731.06	9	3,400.18	9	3,069.10	9	2,738.01	9	2,406.93	9	2,075.85	9	1,744.66
1/4		1/4	4,350.50	1/4	4,045.81	1/4	3,724.20	1/4	3,393.28	1/4	3,062.20	1/4	2,731.12	1/4	2,400.03	1/4	2,068.95	1/4	1,737.76
1/2		1/2	4,344.31	1/2	4,039.29	1/2	3,717.34	1/2	3,386.38	1/2	3,055.30	1/2	2,724.22	1/2	2,393.13	1/2	2,062.05	1/2	1,730.86
3/4		3/4	4,338.12	3/4	4,032.76	3/4	3,710.49	3/4	3,379.49	3/4	3,048.41	3/4	2,717.32	3/4	2,386.24	3/4	2,055.15	3/4	1,723.96
10		10	4,331.91	10	4,026.19	10	3,703.60	10	3,372.59	10	3,041.51	10	2,710.42	10	2,379.34	10	2,048.26	10	1,717.06
1/4		1/4	4,325.69	1/4	4,019.62	1/4	3,696.72	1/4	3,365.69	1/4	3,034.61	1/4	2,703.53	1/4	2,372.44	1/4	2,041.36	1/4	1,710.16
1/2		1/2	4,319.48	1/2	4,013.05	1/2	3,689.84	1/2	3,358.79	1/2	3,027.71	1/2	2,696.63	1/2	2,365.54	1/2	2,034.47	1/2	1,703.26
3/4		3/4	4,313.26	3/4	4,006.48	3/4	3,682.96	3/4	3,351.90	3/4	3,020.82	3/4	2,689.73	3/4	2,358.65	3/4	2,027.57	3/4	1,696.36
11		11	4,307.02	11	3,999.89	11	3,676.07	11	3,345.00	11	3,013.92	11	2,682.83	11	2,351.75	11	2,020.67	11	1,689.46
1/4		1/4	4,300.78	1/4	3,993.29	1/4	3,669.17	1/4	3,338.10	1/4	3,007.02	1/4	2,675.94	1/4	2,344.85	1/4	2,013.77	1/4	1,682.56
1/2		1/2	4,294.53	1/2	3,986.69	1/2	3,662.28	1/2	3,331.20	1/2	3,000.12	1/2	2,669.04	1/2	2,337.95	1/2	2,006.87	1/2	1,675.66
3/4		3/4	4,288.29	3/4	3,980.10	3/4	3,655.39	3/4	3,324.31	3/4	2,993.23	3/4	2,662.14	3/4	2,331.06	3/4	1,999.97	3/4	1,668.76

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" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,661.86	0	1,330.64	0	999.88	0	684.35	0	392.10	0	121.88	0		0		0		0	
1/4	1,654.96	1/4	1,323.74	1/4	993.08	1/4	678.05	1/4	386.24	1/4	116.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,648.05	1/2	1,316.84	1/2	986.28	1/2	671.74	1/2	380.38	1/2	111.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,641.15	3/4	1,309.94	3/4	979.48	3/4	665.43	3/4	374.52	3/4	105.73	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,634.25	1	1,303.04	1	972.71	1	659.16	1	368.71	1	100.38	1	1	1	1	1	1	1	1
1/4	1,627.35	1/4	1,296.14	1/4	965.95	1/4	652.90	1/4	362.89	1/4	95.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,620.45	1/2	1,289.24	1/2	959.19	1/2	646.63	1/2	357.07	1/2	89.69	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,613.55	3/4	1,282.34	3/4	952.43	3/4	640.36	3/4	351.26	3/4	84.35	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,606.65	2	1,275.44	2	945.70	2	634.13	2	345.48	2	79.04	2	2	2	2	2	2	2	2
1/4	1,599.75	1/4	1,268.54	1/4	938.98	1/4	627.90	1/4	339.70	1/4	73.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,592.85	1/2	1,261.64	1/2	932.26	1/2	621.67	1/2	333.93	1/2	68.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,585.95	3/4	1,254.74	3/4	925.53	3/4	615.44	3/4	328.15	3/4	63.13	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,579.05	3	1,247.84	3	918.85	3	609.26	3	322.41	3	57.86	3	3	3	3	3	3	3	3
1/4	1,572.15	1/4	1,240.94	1/4	912.17	1/4	603.07	1/4	316.68	1/4	52.59	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,565.25	1/2	1,234.04	1/2	905.48	1/2	596.88	1/2	310.95	1/2	47.33	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,558.35	3/4	1,227.14	3/4	898.80	3/4	590.69	3/4	305.21	3/4	42.06	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,551.45	4	1,220.24	4	892.15	4	584.54	4	299.52	4	37.41	4	4	4	4	4	4	4	4
1/4	1,544.55	1/4	1,213.34	1/4	885.51	1/4	578.39	1/4	293.82	1/4	32.76	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,537.65	1/2	1,206.44	1/2	878.87	1/2	572.24	1/2	288.13	1/2	28.11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,530.75	3/4	1,199.54	3/4	872.22	3/4	566.09	3/4	282.43	3/4	23.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,523.85	5	1,192.63	5	865.62	5	559.98	5	276.77	5	20.13	5	5	5	5	5	5	5	5
1/4	1,516.95	1/4	1,185.73	1/4	859.01	1/4	553.88	1/4	271.12	1/4	16.80	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,510.05	1/2	1,178.83	1/2	852.41	1/2	547.77	1/2	265.46	1/2	13.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,503.15	3/4	1,171.93	3/4	845.80	3/4	541.66	3/4	259.80	3/4	10.15	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,496.25	6	1,165.03	6	839.24	6	535.59	6	254.18	6		6	6	6	6	6	6	6	6
1/4	1,489.35	1/4	1,158.13	1/4	832.67	1/4	529.52	1/4	248.56	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,482.45	1/2	1,151.23	1/2	826.11	1/2	523.45	1/2	242.94	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,475.55	3/4	1,144.33	3/4	819.54	3/4	517.38	3/4	237.32	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,468.65	7	1,137.43	7	813.01	7	511.34	7	231.73	7		7	7	7	7	7	7	7	7
1/4	1,461.75	1/4	1,130.53	1/4	806.49	1/4	505.30	1/4	226.15	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,454.85	1/2	1,123.63	1/2	799.96	1/2	499.26	1/2	220.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,447.95	3/4	1,116.73	3/4	793.44	3/4	493.22	3/4	214.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,441.05	8	1,109.83	8	786.95	8	487.21	8	209.45	8		8	8	8	8	8	8	8	8
1/4	1,434.15	1/4	1,102.93	1/4	780.46	1/4	481.20	1/4	203.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,427.25	1/2	1,096.03	1/2	773.98	1/2	475.19	1/2	198.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,420.34	3/4	1,089.13	3/4	767.49	3/4	469.18	3/4	192.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,413.44	9	1,082.24	9	761.04	9	463.20	9	187.32	9		9	9	9	9	9	9	9	9
1/4	1,406.54	1/4	1,075.34	1/4	754.59	1/4	457.23	1/4	181.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,399.64	1/2	1,068.44	1/2	748.15	1/2	451.25	1/2	176.32	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,392.74	3/4	1,061.55	3/4	741.70	3/4	445.28	3/4	170.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,385.84	10	1,054.67	10	735.29	10	439.34	10	165.35	10		10	10	10	10	10	10	10	10
1/4	1,378.94	1/4	1,047.80	1/4	728.89	1/4	433.41	1/4	159.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,372.04	1/2	1,040.92	1/2	722.48	1/2	427.47	1/2	154.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,365.14	3/4	1,034.05	3/4	716.08	3/4	421.54	3/4	148.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,358.24	11	1,027.21	11	709.73	11	415.64	11	143.54	11		11	11	11	11	11	11	11	11
1/4	1,351.34	1/4	1,020.37	1/4	703.37	1/4	409.74	1/4	138.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,344.44	1/2	1,013.52	1/2	697.02	1/2	403.85	1/2	132.69	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,337.54	3/4	1,006.68	3/4	690.66	3/4	397.95	3/4	127.27	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: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022





BARGE "CTC 29113"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-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	4,292.39	0	3,984.64	0	3,660.30	0	3,329.31	0	2,998.30	0	2,667.29	0	2,336.29	0	2,005.27
1/4		1/4	4,584.10	1/4	4,286.15	1/4	3,978.04	1/4	3,653.41	1/4	3,322.41	1/4	2,991.41	1/4	2,660.40	1/4	2,329.39	1/4	1,998.37
1/2		1/2	4,579.31	1/2	4,279.88	1/2	3,971.42	1/2	3,646.52	1/2	3,315.51	1/2	2,984.51	1/2	2,653.50	1/2	2,322.49	1/2	1,991.47
3/4		3/4	4,574.52	3/4	4,273.62	3/4	3,964.80	3/4	3,639.62	3/4	3,308.62	3/4	2,977.61	3/4	2,646.61	3/4	2,315.60	3/4	1,984.57
1		1	4,569.74	1	4,267.35	1	3,958.18	1	3,632.72	1	3,301.72	1	2,970.72	1	2,639.71	1	2,308.70	1	1,977.67
1/4		1/4	4,564.95	1/4	4,261.09	1/4	3,951.56	1/4	3,625.83	1/4	3,294.83	1/4	2,963.82	1/4	2,632.81	1/4	2,301.81	1/4	1,970.77
1/2		1/2	4,558.87	1/2	4,254.79	1/2	3,944.91	1/2	3,618.93	1/2	3,287.93	1/2	2,956.93	1/2	2,625.92	1/2	2,294.91	1/2	1,963.87
3/4		3/4	4,552.79	3/4	4,248.50	3/4	3,938.27	3/4	3,612.04	3/4	3,281.03	3/4	2,950.03	3/4	2,619.02	3/4	2,288.01	3/4	1,956.98
2		2	4,546.71	2	4,242.21	2	3,931.62	2	3,605.14	2	3,274.14	2	2,943.13	2	2,612.13	2	2,281.12	2	1,950.08
1/4		1/4	4,540.63	1/4	4,235.91	1/4	3,924.97	1/4	3,598.25	1/4	3,267.24	1/4	2,936.24	1/4	2,605.23	1/4	2,274.22	1/4	1,943.18
1/2		1/2	4,533.86	1/2	4,229.60	1/2	3,918.30	1/2	3,591.35	1/2	3,260.35	1/2	2,929.34	1/2	2,598.33	1/2	2,267.33	1/2	1,936.28
3/4		3/4	4,527.09	3/4	4,223.28	3/4	3,911.63	3/4	3,584.45	3/4	3,253.45	3/4	2,922.45	3/4	2,591.44	3/4	2,260.43	3/4	1,929.38
3		3	4,520.32	3	4,216.96	3	3,904.95	3	3,577.56	3	3,246.55	3	2,915.55	3	2,584.54	3	2,253.53	3	1,922.48
1/4		1/4	4,513.55	1/4	4,210.64	1/4	3,898.28	1/4	3,570.66	1/4	3,239.66	1/4	2,908.65	1/4	2,577.65	1/4	2,246.64	1/4	1,915.58
1/2		1/2	4,506.70	1/2	4,204.29	1/2	3,891.58	1/2	3,563.77	1/2	3,232.76	1/2	2,901.76	1/2	2,570.75	1/2	2,239.74	1/2	1,908.69
3/4		3/4	4,499.84	3/4	4,197.95	3/4	3,884.88	3/4	3,556.87	3/4	3,225.87	3/4	2,894.86	3/4	2,563.85	3/4	2,232.85	3/4	1,901.79
4		4	4,492.98	4	4,191.60	4	3,878.18	4	3,549.97	4	3,218.97	4	2,887.97	4	2,556.96	4	2,225.95	4	1,894.89
1/4		1/4	4,486.13	1/4	4,185.26	1/4	3,871.48	1/4	3,543.08	1/4	3,212.07	1/4	2,881.07	1/4	2,550.06	1/4	2,219.05	1/4	1,887.99
1/2		1/2	4,479.46	1/2	4,178.89	1/2	3,864.76	1/2	3,536.18	1/2	3,205.18	1/2	2,874.17	1/2	2,543.17	1/2	2,212.16	1/2	1,881.09
3/4		3/4	4,472.80	3/4	4,172.52	3/4	3,858.03	3/4	3,529.29	3/4	3,198.28	3/4	2,867.28	3/4	2,536.27	3/4	2,205.26	3/4	1,874.19
5		5	4,466.14	5	4,166.14	5	3,851.31	5	3,522.39	5	3,191.39	5	2,860.38	5	2,529.37	5	2,198.37	5	1,867.29
1/4		1/4	4,459.48	1/4	4,159.77	1/4	3,844.58	1/4	3,515.49	1/4	3,184.49	1/4	2,853.49	1/4	2,522.48	1/4	2,191.47	1/4	1,860.40
1/2		1/2	4,453.19	1/2	4,153.38	1/2	3,837.83	1/2	3,508.60	1/2	3,177.60	1/2	2,846.59	1/2	2,515.58	1/2	2,184.57	1/2	1,853.50
3/4		3/4	4,446.91	3/4	4,146.98	3/4	3,831.08	3/4	3,501.70	3/4	3,170.70	3/4	2,839.69	3/4	2,508.69	3/4	2,177.68	3/4	1,846.60
6		6	4,440.63	6	4,140.58	6	3,824.33	6	3,494.81	6	3,163.80	6	2,832.80	6	2,501.79	6	2,170.78	6	1,839.70
1/4		1/4	4,434.34	1/4	4,134.18	1/4	3,817.57	1/4	3,487.91	1/4	3,156.91	1/4	2,825.90	1/4	2,494.89	1/4	2,163.89	1/4	1,832.80
1/2		1/2	4,428.24	1/2	4,127.76	1/2	3,810.80	1/2	3,481.01	1/2	3,150.01	1/2	2,819.01	1/2	2,488.00	1/2	2,156.99	1/2	1,825.90
3/4		3/4	4,422.13	3/4	4,121.34	3/4	3,804.02	3/4	3,474.12	3/4	3,143.12	3/4	2,812.11	3/4	2,481.10	3/4	2,150.09	3/4	1,819.00
7		7	4,416.02	7	4,114.91	7	3,797.24	7	3,467.22	7	3,136.22	7	2,805.21	7	2,474.21	7	2,143.20	7	1,812.11
1/4		1/4	4,409.91	1/4	4,108.49	1/4	3,790.46	1/4	3,460.33	1/4	3,129.32	1/4	2,798.32	1/4	2,467.31	1/4	2,136.30	1/4	1,805.21
1/2		1/2	4,403.77	1/2	4,102.04	1/2	3,783.66	1/2	3,453.43	1/2	3,122.43	1/2	2,791.42	1/2	2,460.41	1/2	2,129.41	1/2	1,798.31
3/4		3/4	4,397.64	3/4	4,095.59	3/4	3,776.85	3/4	3,446.54	3/4	3,115.53	3/4	2,784.53	3/4	2,453.52	3/4	2,122.51	3/4	1,791.41
8		8	4,391.50	8	4,089.14	8	3,770.05	8	3,439.64	8	3,108.64	8	2,777.63	8	2,446.62	8	2,115.61	8	1,784.51
1/4		1/4	4,385.37	1/4	4,082.69	1/4	3,763.25	1/4	3,432.74	1/4	3,101.74	1/4	2,770.73	1/4	2,439.73	1/4	2,108.72	1/4	1,777.61
1/2		1/2	4,379.20	1/2	4,076.21	1/2	3,756.42	1/2	3,425.85	1/2	3,094.84	1/2	2,763.84	1/2	2,432.83	1/2	2,101.82	1/2	1,770.71
3/4		3/4	4,373.04	3/4	4,069.74	3/4	3,749.59	3/4	3,418.95	3/4	3,087.95	3/4	2,756.94	3/4	2,425.93	3/4	2,094.93	3/4	1,763.82
9		9	4,366.88	9	4,063.26	9	3,742.76	9	3,412.06	9	3,081.05	9	2,750.05	9	2,419.04	9	2,088.03	9	1,756.92
1/4		1/4	4,360.72	1/4	4,056.78	1/4	3,735.92	1/4	3,405.16	1/4	3,074.16	1/4	2,743.15	1/4	2,412.14	1/4	2,081.13	1/4	1,750.02
1/2		1/2	4,354.53	1/2	4,050.26	1/2	3,729.07	1/2	3,398.26	1/2	3,067.26	1/2	2,736.25	1/2	2,405.25	1/2	2,074.24	1/2	1,743.12
3/4		3/4	4,348.34	3/4	4,043.74	3/4	3,722.21	3/4	3,391.37	3/4	3,060.37	3/4	2,729.36	3/4	2,398.35	3/4	2,067.34	3/4	1,736.22
10		10	4,342.16	10	4,037.22	10	3,715.36	10	3,384.47	10	3,053.47	10	2,722.46	10	2,391.45	10	2,060.45	10	1,729.32
1/4		1/4	4,335.97	1/4	4,030.70	1/4	3,708.50	1/4	3,377.58	1/4	3,046.57	1/4	2,715.57	1/4	2,384.56	1/4	2,053.55	1/4	1,722.42
1/2		1/2	4,329.75	1/2	4,024.13	1/2	3,701.62	1/2	3,370.68	1/2	3,039.68	1/2	2,708.67	1/2	2,377.66	1/2	2,046.65	1/2	1,715.52
3/4		3/4	4,323.54	3/4	4,017.56	3/4	3,694.74	3/4	3,363.78	3/4	3,032.78	3/4	2,701.77	3/4	2,370.77	3/4	2,039.76	3/4	1,708.63
11		11	4,317.33	11	4,010.99	11	3,687.86	11	3,356.89	11	3,025.89	11	2,694.88	11	2,363.87	11	2,032.86	11	1,701.73
1/4		1/4	4,311.11	1/4	4,004.42	1/4	3,680.98	1/4	3,349.99	1/4	3,018.99	1/4	2,687.98	1/4	2,356.97	1/4	2,025.96	1/4	1,694.83
1/2		1/2	4,304.87	1/2	3,997.83	1/2	3,674.09	1/2	3,343.10	1/2	3,012.09	1/2	2,681.09	1/2	2,350.08	1/2	2,019.06	1/2	1,687.93
3/4		3/4	4,298.63	3/4	3,991.23	3/4	3,667.20	3/4	3,336.20	3/4	3,005.20	3/4	2,674.19	3/4	2,343.18	3/4	2,012.16	3/4	1,681.03

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" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311

GAUGE HEIGHT 15'-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	1,674.13	0	1,343.00	0	1,012.20	0	696.75	0	403.69	0	132.63	0		0		0		0	
1/4	1,667.23	1/4	1,336.10	1/4	1,005.37	1/4	690.41	1/4	397.80	1/4	127.21	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,660.34	1/2	1,329.20	1/2	998.59	1/2	684.11	1/2	391.94	1/2	121.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,653.44	3/4	1,322.30	3/4	991.81	3/4	677.80	3/4	386.09	3/4	116.45	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,646.54	1	1,315.41	1	985.03	1	671.49	1	380.23	1	111.07	1	1	1	1	1	1	1	1
1/4	1,639.64	1/4	1,308.51	1/4	978.25	1/4	665.19	1/4	374.38	1/4	105.68	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,632.74	1/2	1,301.61	1/2	971.51	1/2	658.92	1/2	368.56	1/2	100.34	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,625.84	3/4	1,294.71	3/4	964.77	3/4	652.66	3/4	362.75	3/4	95.00	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,618.94	2	1,287.81	2	958.03	2	646.39	2	356.93	2	89.66	2	2	2	2	2	2	2	2
1/4	1,612.05	1/4	1,280.91	1/4	951.29	1/4	640.12	1/4	351.11	1/4	84.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,605.15	1/2	1,274.01	1/2	944.59	1/2	633.90	1/2	345.34	1/2	79.01	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,598.25	3/4	1,267.12	3/4	937.89	3/4	627.67	3/4	339.57	3/4	73.71	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,591.35	3	1,260.22	3	931.19	3	621.44	3	333.79	3	68.40	3	3	3	3	3	3	3	3
1/4	1,584.45	1/4	1,253.32	1/4	924.49	1/4	615.22	1/4	328.02	1/4	63.10	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,577.55	1/2	1,246.42	1/2	917.83	1/2	609.03	1/2	322.28	1/2	57.83	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,570.65	3/4	1,239.52	3/4	911.17	3/4	602.84	3/4	316.55	3/4	52.57	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,563.76	4	1,232.62	4	904.51	4	596.65	4	310.82	4	47.31	4	4	4	4	4	4	4	4
1/4	1,556.86	1/4	1,225.72	1/4	897.85	1/4	590.47	1/4	305.09	1/4	42.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,549.96	1/2	1,218.83	1/2	891.23	1/2	584.32	1/2	299.40	1/2	37.39	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,543.06	3/4	1,211.93	3/4	884.61	3/4	578.17	3/4	293.70	3/4	32.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,536.16	5	1,205.03	5	877.99	5	572.03	5	288.01	5	28.09	5	5	5	5	5	5	5	5
1/4	1,529.26	1/4	1,198.13	1/4	871.37	1/4	565.88	1/4	282.32	1/4	23.44	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,522.36	1/2	1,191.23	1/2	864.78	1/2	559.77	1/2	276.66	1/2	20.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,515.47	3/4	1,184.33	3/4	858.20	3/4	553.67	3/4	271.00	3/4	16.80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,508.57	6	1,177.43	6	851.62	6	547.56	6	265.35	6	13.47	6	6	6	6	6	6	6	6
1/4	1,501.67	1/4	1,170.54	1/4	845.04	1/4	541.46	1/4	259.69	1/4	10.15	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,494.77	1/2	1,163.64	1/2	838.50	1/2	535.39	1/2	254.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,487.87	3/4	1,156.74	3/4	831.95	3/4	529.32	3/4	248.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,480.97	7	1,149.84	7	825.41	7	523.25	7	242.84	7		7	7	7	7	7	7	7	7
1/4	1,474.07	1/4	1,142.94	1/4	818.87	1/4	517.18	1/4	237.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,467.18	1/2	1,136.04	1/2	812.37	1/2	511.15	1/2	231.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,460.28	3/4	1,129.14	3/4	805.86	3/4	505.11	3/4	226.06	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,453.38	8	1,122.25	8	799.36	8	499.07	8	220.48	8		8	8	8	8	8	8	8	8
1/4	1,446.48	1/4	1,115.35	1/4	792.86	1/4	493.03	1/4	214.90	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,439.58	1/2	1,108.45	1/2	786.39	1/2	487.02	1/2	209.36	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,432.68	3/4	1,101.55	3/4	779.93	3/4	481.02	3/4	203.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,425.78	9	1,094.65	9	773.47	9	475.01	9	198.28	9		9	9	9	9	9	9	9	9
1/4	1,418.89	1/4	1,087.75	1/4	767.00	1/4	469.00	1/4	192.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,411.99	1/2	1,080.86	1/2	760.58	1/2	463.02	1/2	187.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,405.09	3/4	1,073.96	3/4	754.15	3/4	457.05	3/4	181.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,398.19	10	1,067.07	10	747.73	10	451.08	10	176.24	10		10	10	10	10	10	10	10	10
1/4	1,391.29	1/4	1,060.18	1/4	741.31	1/4	445.11	1/4	170.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,384.39	1/2	1,053.30	1/2	734.92	1/2	439.17	1/2	165.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,377.49	3/4	1,046.43	3/4	728.54	3/4	433.24	3/4	159.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,370.59	11	1,039.56	11	722.16	11	427.31	11	154.36	11		11	11	11	11	11	11	11	11
1/4	1,363.70	1/4	1,032.68	1/4	715.78	1/4	421.37	1/4	148.90	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,356.80	1/2	1,025.85	1/2	709.44	1/2	415.48	1/2	143.48	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,349.90	3/4	1,019.02	3/4	703.10	3/4	409.58	3/4	138.05	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: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022



BARGE "CTC 29113"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-06"

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	5,554.28	0	5,204.99	0	4,843.79	0	4,463.20	0	4,075.15	0	3,687.10	0	3,299.03	0	2,910.98	0	2,522.88
1/4		1/4	5,548.67	1/4	5,197.65	1/4	4,836.03	1/4	4,455.12	1/4	4,067.06	1/4	3,679.01	1/4	3,290.95	1/4	2,902.89	1/4	2,514.80
1/2		1/2	5,543.06	1/2	5,190.30	1/2	4,828.27	1/2	4,447.03	1/2	4,058.98	1/2	3,670.93	1/2	3,282.86	1/2	2,894.81	1/2	2,506.71
3/4		3/4	5,537.45	3/4	5,182.95	3/4	4,820.51	3/4	4,438.95	3/4	4,050.90	3/4	3,662.84	3/4	3,274.78	3/4	2,886.72	3/4	2,498.62
1		1	5,531.84	1	5,175.61	1	4,812.75	1	4,430.86	1	4,042.81	1	3,654.76	1	3,266.69	1	2,878.64	1	2,490.53
1/4		1/4	5,524.71	1/4	5,168.23	1/4	4,804.95	1/4	4,422.78	1/4	4,034.73	1/4	3,646.67	1/4	3,258.61	1/4	2,870.55	1/4	2,482.45
1/2		1/2	5,517.58	1/2	5,160.85	1/2	4,797.16	1/2	4,414.69	1/2	4,026.64	1/2	3,638.59	1/2	3,250.53	1/2	2,862.47	1/2	2,474.36
3/4		3/4	5,510.45	3/4	5,153.48	3/4	4,789.37	3/4	4,406.61	3/4	4,018.56	3/4	3,630.50	3/4	3,242.44	3/4	2,854.39	3/4	2,466.27
2		2	5,503.32	2	5,146.10	2	4,781.58	2	4,398.52	2	4,010.47	2	3,622.41	2	3,234.36	2	2,846.30	2	2,458.18
1/4		1/4	5,495.39	1/4	5,138.69	1/4	4,773.75	1/4	4,390.44	1/4	4,002.39	1/4	3,614.33	1/4	3,226.27	1/4	2,838.22	1/4	2,450.10
1/2		1/2	5,487.45	1/2	5,131.28	1/2	4,765.93	1/2	4,382.36	1/2	3,994.30	1/2	3,606.24	1/2	3,218.19	1/2	2,830.13	1/2	2,442.01
3/4		3/4	5,479.51	3/4	5,123.88	3/4	4,758.11	3/4	4,374.27	3/4	3,986.22	3/4	3,598.16	3/4	3,210.10	3/4	2,822.05	3/4	2,433.92
3		3	5,471.58	3	5,116.47	3	4,750.28	3	4,366.19	3	3,978.14	3	3,590.07	3	3,202.02	3	2,813.96	3	2,425.83
1/4		1/4	5,463.54	1/4	5,109.03	1/4	4,742.43	1/4	4,358.10	1/4	3,970.05	1/4	3,581.99	1/4	3,193.93	1/4	2,805.88	1/4	2,417.75
1/2		1/2	5,455.50	1/2	5,101.59	1/2	4,734.57	1/2	4,350.02	1/2	3,961.97	1/2	3,573.91	1/2	3,185.85	1/2	2,797.79	1/2	2,409.66
3/4		3/4	5,447.46	3/4	5,094.15	3/4	4,726.72	3/4	4,341.93	3/4	3,953.88	3/4	3,565.82	3/4	3,177.77	3/4	2,789.71	3/4	2,401.57
4		4	5,439.43	4	5,086.72	4	4,718.87	4	4,333.85	4	3,945.80	4	3,557.74	4	3,169.68	4	2,781.62	4	2,393.48
1/4		1/4	5,431.62	1/4	5,079.25	1/4	4,710.98	1/4	4,325.76	1/4	3,937.71	1/4	3,549.65	1/4	3,161.60	1/4	2,773.54	1/4	2,385.39
1/2		1/2	5,423.80	1/2	5,071.78	1/2	4,703.10	1/2	4,317.68	1/2	3,929.63	1/2	3,541.57	1/2	3,153.51	1/2	2,765.46	1/2	2,377.31
3/4		3/4	5,415.99	3/4	5,064.31	3/4	4,695.21	3/4	4,309.60	3/4	3,921.54	3/4	3,533.48	3/4	3,145.43	3/4	2,757.37	3/4	2,369.22
5		5	5,408.18	5	5,056.84	5	4,687.33	5	4,301.51	5	3,913.46	5	3,525.40	5	3,137.34	5	2,749.29	5	2,361.13
1/4		1/4	5,400.82	1/4	5,049.34	1/4	4,679.41	1/4	4,293.43	1/4	3,905.38	1/4	3,517.31	1/4	3,129.26	1/4	2,741.20	1/4	2,353.04
1/2		1/2	5,393.45	1/2	5,041.84	1/2	4,671.50	1/2	4,285.34	1/2	3,897.29	1/2	3,509.23	1/2	3,121.17	1/2	2,733.12	1/2	2,344.96
3/4		3/4	5,386.09	3/4	5,034.34	3/4	4,663.58	3/4	4,277.26	3/4	3,889.21	3/4	3,501.15	3/4	3,113.09	3/4	2,725.03	3/4	2,336.87
6		6	5,378.72	6	5,026.84	6	4,655.66	6	4,269.17	6	3,881.12	6	3,493.06	6	3,105.00	6	2,716.95	6	2,328.78
1/4		1/4	5,371.56	1/4	5,019.31	1/4	4,647.72	1/4	4,261.09	1/4	3,873.04	1/4	3,484.98	1/4	3,096.92	1/4	2,708.86	1/4	2,320.69
1/2		1/2	5,364.40	1/2	5,011.78	1/2	4,639.77	1/2	4,253.01	1/2	3,864.95	1/2	3,476.89	1/2	3,088.84	1/2	2,700.78	1/2	2,312.61
3/4		3/4	5,357.24	3/4	5,004.25	3/4	4,631.83	3/4	4,244.92	3/4	3,856.87	3/4	3,468.81	3/4	3,080.75	3/4	2,692.70	3/4	2,304.52
7		7	5,350.07	7	4,996.72	7	4,623.88	7	4,236.84	7	3,848.79	7	3,460.72	7	3,072.67	7	2,684.61	7	2,296.43
1/4		1/4	5,342.88	1/4	4,989.16	1/4	4,615.90	1/4	4,228.75	1/4	3,840.70	1/4	3,452.64	1/4	3,064.58	1/4	2,676.53	1/4	2,288.34
1/2		1/2	5,335.69	1/2	4,981.60	1/2	4,607.93	1/2	4,220.67	1/2	3,832.62	1/2	3,444.55	1/2	3,056.50	1/2	2,668.44	1/2	2,280.26
3/4		3/4	5,328.50	3/4	4,974.03	3/4	4,599.95	3/4	4,212.58	3/4	3,824.53	3/4	3,436.47	3/4	3,048.41	3/4	2,660.36	3/4	2,272.17
8		8	5,321.30	8	4,966.47	8	4,591.97	8	4,204.50	8	3,816.45	8	3,428.38	8	3,040.33	8	2,652.27	8	2,264.08
1/4		1/4	5,314.08	1/4	4,958.88	1/4	4,583.96	1/4	4,196.41	1/4	3,808.36	1/4	3,420.30	1/4	3,032.24	1/4	2,644.19	1/4	2,255.99
1/2		1/2	5,306.86	1/2	4,951.29	1/2	4,575.96	1/2	4,188.33	1/2	3,800.28	1/2	3,412.22	1/2	3,024.16	1/2	2,636.10	1/2	2,247.91
3/4		3/4	5,299.63	3/4	4,943.70	3/4	4,567.95	3/4	4,180.25	3/4	3,792.19	3/4	3,404.13	3/4	3,016.08	3/4	2,628.02	3/4	2,239.82
9		9	5,292.41	9	4,936.11	9	4,559.94	9	4,172.16	9	3,784.11	9	3,396.05	9	3,007.99	9	2,619.93	9	2,231.73
1/4		1/4	5,285.16	1/4	4,928.46	1/4	4,551.90	1/4	4,164.08	1/4	3,776.03	1/4	3,387.96	1/4	2,999.91	1/4	2,611.85	1/4	2,223.64
1/2		1/2	5,277.90	1/2	4,920.81	1/2	4,543.86	1/2	4,155.99	1/2	3,767.94	1/2	3,379.88	1/2	2,991.82	1/2	2,603.77	1/2	2,215.56
3/4		3/4	5,270.65	3/4	4,913.17	3/4	4,535.83	3/4	4,147.91	3/4	3,759.86	3/4	3,371.79	3/4	2,983.74	3/4	2,595.68	3/4	2,207.47
10		10	5,263.39	10	4,905.52	10	4,527.79	10	4,139.82	10	3,751.77	10	3,363.71	10	2,975.65	10	2,587.60	10	2,199.38
1/4		1/4	5,256.11	1/4	4,897.82	1/4	4,519.72	1/4	4,131.74	1/4	3,743.69	1/4	3,355.62	1/4	2,967.57	1/4	2,579.51	1/4	2,191.29
1/2		1/2	5,248.82	1/2	4,890.12	1/2	4,511.66	1/2	4,123.65	1/2	3,735.60	1/2	3,347.54	1/2	2,959.48	1/2	2,571.42	1/2	2,183.20
3/4		3/4	5,241.54	3/4	4,882.42	3/4	4,503.59	3/4	4,115.57	3/4	3,727.52	3/4	3,339.46	3/4	2,951.40	3/4	2,563.33	3/4	2,175.12
11		11	5,234.25	11	4,874.72	11	4,495.53	11	4,107.49	11	3,719.43	11	3,331.37	11	2,943.31	11	2,555.23	11	2,167.03
1/4		1/4	5,226.94	1/4	4,866.99	1/4	4,487.45	1/4	4,099.40	1/4	3,711.35	1/4	3,323.29	1/4	2,935.23	1/4	2,547.15	1/4	2,158.94
1/2		1/2	5,219.62	1/2	4,859.26	1/2	4,479.36	1/2	4,091.32	1/2	3,703.27	1/2	3,315.20	1/2	2,927.15	1/2	2,539.06	1/2	2,150.85
3/4		3/4	5,212.31	3/4	4,851.53	3/4	4,471.28	3/4	4,083.23	3/4	3,695.18	3/4	3,307.12	3/4	2,919.06	3/4	2,530.97	3/4	2,142.77

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" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-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	2,134.68	0	1,746.47	0	1,358.27	0	970.13	0	582.63	0	194.47	0		0		0		0	
1/4	2,126.59	1/4	1,738.39	1/4	1,350.18	1/4	962.07	1/4	574.54	1/4	186.38	1/4		1/4		1/4		1/4	
1/2	2,118.50	1/2	1,730.30	1/2	1,342.09	1/2	954.00	1/2	566.45	1/2	178.29	1/2		1/2		1/2		1/2	
3/4	2,110.42	3/4	1,722.21	3/4	1,334.01	3/4	945.94	3/4	558.37	3/4	170.21	3/4		3/4		3/4		3/4	
1	2,102.33	1	1,714.12	1	1,325.92	1	937.87	1	550.28	1	162.12	1		1		1		1	
1/4	2,094.24	1/4	1,706.04	1/4	1,317.83	1/4	929.81	1/4	542.19	1/4	154.03	1/4		1/4		1/4		1/4	
1/2	2,086.15	1/2	1,697.95	1/2	1,309.74	1/2	921.74	1/2	534.10	1/2	145.94	1/2		1/2		1/2		1/2	
3/4	2,078.07	3/4	1,689.86	3/4	1,301.66	3/4	913.67	3/4	526.02	3/4	137.86	3/4		3/4		3/4		3/4	
2	2,069.98	2	1,681.77	2	1,293.57	2	905.61	2	517.93	2	129.77	2		2		2		2	
1/4	2,061.89	1/4	1,673.69	1/4	1,285.48	1/4	897.54	1/4	509.84	1/4	121.68	1/4		1/4		1/4		1/4	
1/2	2,053.80	1/2	1,665.60	1/2	1,277.39	1/2	889.48	1/2	501.76	1/2	113.59	1/2		1/2		1/2		1/2	
3/4	2,045.72	3/4	1,657.51	3/4	1,269.31	3/4	881.41	3/4	493.67	3/4	105.50	3/4		3/4		3/4		3/4	
3	2,037.63	3	1,649.42	3	1,261.22	3	873.34	3	485.58	3	97.42	3		3		3		3	
1/4	2,029.54	1/4	1,641.34	1/4	1,253.13	1/4	865.28	1/4	477.50	1/4	89.33	1/4		1/4		1/4		1/4	
1/2	2,021.45	1/2	1,633.25	1/2	1,245.04	1/2	857.21	1/2	469.42	1/2	81.24	1/2		1/2		1/2		1/2	
3/4	2,013.37	3/4	1,625.16	3/4	1,236.96	3/4	849.15	3/4	461.33	3/4	73.15	3/4		3/4		3/4		3/4	
4	2,005.28	4	1,617.07	4	1,228.87	4	841.08	4	453.25	4	65.07	4		4		4		4	
1/4	1,997.19	1/4	1,608.99	1/4	1,220.78	1/4	833.02	1/4	445.17	1/4	57.65	1/4		1/4		1/4		1/4	
1/2	1,989.10	1/2	1,600.90	1/2	1,212.69	1/2	824.95	1/2	437.08	1/2	50.24	1/2		1/2		1/2		1/2	
3/4	1,981.01	3/4	1,592.81	3/4	1,204.61	3/4	816.89	3/4	429.00	3/4	42.83	3/4		3/4		3/4		3/4	
5	1,972.93	5	1,584.72	5	1,196.52	5	808.82	5	420.92	5	35.41	5		5		5		5	
1/4	1,964.84	1/4	1,576.63	1/4	1,188.43	1/4	800.76	1/4	412.83	1/4	30.02	1/4		1/4		1/4		1/4	
1/2	1,956.75	1/2	1,568.55	1/2	1,180.34	1/2	792.70	1/2	404.74	1/2	24.63	1/2		1/2		1/2		1/2	
3/4	1,948.66	3/4	1,560.46	3/4	1,172.25	3/4	784.63	3/4	396.66	3/4	19.24	3/4		3/4		3/4		3/4	
6	1,940.58	6	1,552.37	6	1,164.17	6	776.57	6	388.57	6	13.85	6		6		6		6	
1/4	1,932.49	1/4	1,544.28	1/4	1,156.08	1/4	768.51	1/4	380.48	1/4		1/4		1/4		1/4		1/4	
1/2	1,924.40	1/2	1,536.20	1/2	1,147.99	1/2	760.44	1/2	372.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,916.31	3/4	1,528.11	3/4	1,139.90	3/4	752.38	3/4	364.31	3/4		3/4		3/4		3/4		3/4	
7	1,908.23	7	1,520.02	7	1,131.82	7	744.31	7	356.22	7		7		7		7		7	
1/4	1,900.14	1/4	1,511.93	1/4	1,123.73	1/4	736.24	1/4	348.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,892.05	1/2	1,503.85	1/2	1,115.64	1/2	728.17	1/2	340.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,883.96	3/4	1,495.76	3/4	1,107.55	3/4	720.09	3/4	331.96	3/4		3/4		3/4		3/4		3/4	
8	1,875.88	8	1,487.67	8	1,099.47	8	712.02	8	323.87	8		8		8		8		8	
1/4	1,867.79	1/4	1,479.58	1/4	1,091.38	1/4	703.94	1/4	315.78	1/4		1/4		1/4		1/4		1/4	
1/2	1,859.70	1/2	1,471.50	1/2	1,083.29	1/2	695.85	1/2	307.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,851.61	3/4	1,463.41	3/4	1,075.20	3/4	687.77	3/4	299.61	3/4		3/4		3/4		3/4		3/4	
9	1,843.53	9	1,455.32	9	1,067.12	9	679.68	9	291.52	9		9		9		9		9	
1/4	1,835.44	1/4	1,447.23	1/4	1,059.03	1/4	671.59	1/4	283.43	1/4		1/4		1/4		1/4		1/4	
1/2	1,827.35	1/2	1,439.15	1/2	1,050.94	1/2	663.51	1/2	275.34	1/2		1/2		1/2		1/2		1/2	
3/4	1,819.26	3/4	1,431.06	3/4	1,042.85	3/4	655.42	3/4	267.26	3/4		3/4		3/4		3/4		3/4	
10	1,811.18	10	1,422.97	10	1,034.77	10	647.33	10	259.17	10		10		10		10		10	
1/4	1,803.09	1/4	1,414.88	1/4	1,026.68	1/4	639.24	1/4	251.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,795.00	1/2	1,406.80	1/2	1,018.60	1/2	631.16	1/2	242.99	1/2		1/2		1/2		1/2		1/2	
3/4	1,786.91	3/4	1,398.71	3/4	1,010.51	3/4	623.07	3/4	234.91	3/4		3/4		3/4		3/4		3/4	
11	1,778.82	11	1,390.62	11	1,002.43	11	614.98	11	226.82	11		11		11		11		11	
1/4	1,770.74	1/4	1,382.53	1/4	994.35	1/4	606.89	1/4	218.73	1/4		1/4		1/4		1/4		1/4	
1/2	1,762.65	1/2	1,374.44	1/2	986.28	1/2	598.81	1/2	210.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,754.56	3/4	1,366.36	3/4	978.21	3/4	590.72	3/4	202.56	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022



BARGE "CTC 29113"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-05 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	5,511.94	0	5,161.60	0	4,800.69	0	4,420.54	0	4,033.26	0	3,645.98	0	3,258.70	0	2,871.42	0	2,484.12
1/4		1/4	5,506.34	1/4	5,154.27	1/4	4,792.94	1/4	4,412.47	1/4	4,025.19	1/4	3,637.91	1/4	3,250.63	1/4	2,863.35	1/4	2,476.04
1/2		1/2	5,500.74	1/2	5,146.94	1/2	4,785.20	1/2	4,404.40	1/2	4,017.12	1/2	3,629.85	1/2	3,242.57	1/2	2,855.28	1/2	2,467.97
3/4		3/4	5,495.14	3/4	5,139.61	3/4	4,777.45	3/4	4,396.33	3/4	4,009.06	3/4	3,621.78	3/4	3,234.50	3/4	2,847.21	3/4	2,459.90
1		1	5,488.03	1	5,132.25	1	4,769.67	1	4,388.27	1	4,000.99	1	3,613.71	1	3,226.43	1	2,839.15	1	2,451.83
1/4		1/4	5,480.92	1/4	5,124.88	1/4	4,761.90	1/4	4,380.20	1/4	3,992.92	1/4	3,605.64	1/4	3,218.36	1/4	2,831.08	1/4	2,443.76
1/2		1/2	5,473.80	1/2	5,117.52	1/2	4,754.12	1/2	4,372.13	1/2	3,984.85	1/2	3,597.57	1/2	3,210.29	1/2	2,823.01	1/2	2,435.69
3/4		3/4	5,466.69	3/4	5,110.16	3/4	4,746.34	3/4	4,364.06	3/4	3,976.78	3/4	3,589.51	3/4	3,202.22	3/4	2,814.94	3/4	2,427.61
2		2	5,458.77	2	5,102.76	2	4,738.53	2	4,355.99	2	3,968.72	2	3,581.44	2	3,194.16	2	2,806.87	2	2,419.54
1/4		1/4	5,450.85	1/4	5,095.37	1/4	4,730.73	1/4	4,347.93	1/4	3,960.65	1/4	3,573.37	1/4	3,186.09	1/4	2,798.80	1/4	2,411.47
1/2		1/2	5,442.93	1/2	5,087.98	1/2	4,722.92	1/2	4,339.86	1/2	3,952.58	1/2	3,565.30	1/2	3,178.02	1/2	2,790.74	1/2	2,403.40
3/4		3/4	5,435.01	3/4	5,080.58	3/4	4,715.11	3/4	4,331.79	3/4	3,944.51	3/4	3,557.23	3/4	3,169.95	3/4	2,782.67	3/4	2,395.33
3		3	5,426.99	3	5,073.16	3	4,707.27	3	4,323.72	3	3,936.44	3	3,549.17	3	3,161.88	3	2,774.60	3	2,387.26
1/4		1/4	5,418.97	1/4	5,065.74	1/4	4,699.43	1/4	4,315.65	1/4	3,928.37	1/4	3,541.10	1/4	3,153.81	1/4	2,766.53	1/4	2,379.19
1/2		1/2	5,410.94	1/2	5,058.31	1/2	4,691.59	1/2	4,307.58	1/2	3,920.31	1/2	3,533.03	1/2	3,145.75	1/2	2,758.46	1/2	2,371.11
3/4		3/4	5,402.92	3/4	5,050.89	3/4	4,683.76	3/4	4,299.52	3/4	3,912.24	3/4	3,524.96	3/4	3,137.68	3/4	2,750.39	3/4	2,363.04
4		4	5,395.13	4	5,043.43	4	4,675.89	4	4,291.45	4	3,904.17	4	3,516.89	4	3,129.61	4	2,742.32	4	2,354.97
1/4		1/4	5,387.33	1/4	5,035.98	1/4	4,668.02	1/4	4,283.38	1/4	3,896.10	1/4	3,508.82	1/4	3,121.54	1/4	2,734.26	1/4	2,346.90
1/2		1/2	5,379.54	1/2	5,028.52	1/2	4,660.15	1/2	4,275.31	1/2	3,888.03	1/2	3,500.75	1/2	3,113.47	1/2	2,726.19	1/2	2,338.83
3/4		3/4	5,371.74	3/4	5,021.07	3/4	4,652.28	3/4	4,267.24	3/4	3,879.96	3/4	3,492.69	3/4	3,105.40	3/4	2,718.12	3/4	2,330.76
5		5	5,364.39	5	5,013.58	5	4,644.38	5	4,259.17	5	3,871.90	5	3,484.62	5	3,097.33	5	2,710.05	5	2,322.69
1/4		1/4	5,357.04	1/4	5,006.10	1/4	4,636.48	1/4	4,251.11	1/4	3,863.83	1/4	3,476.55	1/4	3,089.27	1/4	2,701.98	1/4	2,314.61
1/2		1/2	5,349.69	1/2	4,998.61	1/2	4,628.58	1/2	4,243.04	1/2	3,855.76	1/2	3,468.48	1/2	3,081.20	1/2	2,693.91	1/2	2,306.54
3/4		3/4	5,342.34	3/4	4,991.13	3/4	4,620.68	3/4	4,234.97	3/4	3,847.69	3/4	3,460.41	3/4	3,073.13	3/4	2,685.85	3/4	2,298.47
6		6	5,335.19	6	4,983.61	6	4,612.75	6	4,226.90	6	3,839.62	6	3,452.34	6	3,065.06	6	2,677.78	6	2,290.40
1/4		1/4	5,328.04	1/4	4,976.10	1/4	4,604.82	1/4	4,218.83	1/4	3,831.55	1/4	3,444.28	1/4	3,056.99	1/4	2,669.71	1/4	2,282.33
1/2		1/2	5,320.89	1/2	4,968.58	1/2	4,596.89	1/2	4,210.76	1/2	3,823.49	1/2	3,436.21	1/2	3,048.92	1/2	2,661.64	1/2	2,274.26
3/4		3/4	5,313.74	3/4	4,961.06	3/4	4,588.96	3/4	4,202.70	3/4	3,815.42	3/4	3,428.14	3/4	3,040.86	3/4	2,653.57	3/4	2,266.18
7		7	5,306.56	7	4,953.52	7	4,581.00	7	4,194.63	7	3,807.35	7	3,420.07	7	3,032.79	7	2,645.50	7	2,258.11
1/4		1/4	5,299.38	1/4	4,945.97	1/4	4,573.04	1/4	4,186.56	1/4	3,799.28	1/4	3,412.00	1/4	3,024.72	1/4	2,637.44	1/4	2,250.04
1/2		1/2	5,292.21	1/2	4,938.42	1/2	4,565.07	1/2	4,178.49	1/2	3,791.21	1/2	3,403.93	1/2	3,016.65	1/2	2,629.37	1/2	2,241.97
3/4		3/4	5,285.03	3/4	4,930.88	3/4	4,557.11	3/4	4,170.42	3/4	3,783.14	3/4	3,395.87	3/4	3,008.58	3/4	2,621.30	3/4	2,233.90
8		8	5,277.82	8	4,923.30	8	4,549.12	8	4,162.35	8	3,775.08	8	3,387.80	8	3,000.51	8	2,613.23	8	2,225.83
1/4		1/4	5,270.61	1/4	4,915.72	1/4	4,541.13	1/4	4,154.29	1/4	3,767.01	1/4	3,379.73	1/4	2,992.45	1/4	2,605.16	1/4	2,217.76
1/2		1/2	5,263.40	1/2	4,908.15	1/2	4,533.14	1/2	4,146.22	1/2	3,758.94	1/2	3,371.66	1/2	2,984.38	1/2	2,597.09	1/2	2,209.68
3/4		3/4	5,256.19	3/4	4,900.57	3/4	4,525.15	3/4	4,138.15	3/4	3,750.87	3/4	3,363.59	3/4	2,976.31	3/4	2,589.03	3/4	2,201.61
9		9	5,248.95	9	4,892.94	9	4,517.12	9	4,130.08	9	3,742.80	9	3,355.52	9	2,968.24	9	2,580.96	9	2,193.54
1/4		1/4	5,241.71	1/4	4,885.31	1/4	4,509.10	1/4	4,122.01	1/4	3,734.73	1/4	3,347.46	1/4	2,960.17	1/4	2,572.89	1/4	2,185.47
1/2		1/2	5,234.47	1/2	4,877.68	1/2	4,501.08	1/2	4,113.94	1/2	3,726.67	1/2	3,339.39	1/2	2,952.10	1/2	2,564.82	1/2	2,177.40
3/4		3/4	5,227.23	3/4	4,870.04	3/4	4,493.06	3/4	4,105.88	3/4	3,718.60	3/4	3,331.32	3/4	2,944.03	3/4	2,556.75	3/4	2,169.33
10		10	5,219.96	10	4,862.36	10	4,485.01	10	4,097.81	10	3,710.53	10	3,323.25	10	2,935.97	10	2,548.68	10	2,161.26
1/4		1/4	5,212.68	1/4	4,854.67	1/4	4,476.96	1/4	4,089.74	1/4	3,702.46	1/4	3,315.18	1/4	2,927.90	1/4	2,540.61	1/4	2,153.18
1/2		1/2	5,205.41	1/2	4,846.99	1/2	4,468.91	1/2	4,081.67	1/2	3,694.39	1/2	3,307.11	1/2	2,919.83	1/2	2,532.54	1/2	2,145.11
3/4		3/4	5,198.14	3/4	4,839.30	3/4	4,460.86	3/4	4,073.60	3/4	3,686.32	3/4	3,299.04	3/4	2,911.76	3/4	2,524.47	3/4	2,137.04
11		11	5,190.84	11	4,831.59	11	4,452.80	11	4,065.53	11	3,678.26	11	3,290.98	11	2,903.69	11	2,516.40	11	2,128.97
1/4		1/4	5,183.54	1/4	4,823.87	1/4	4,444.73	1/4	4,057.47	1/4	3,670.19	1/4	3,282.91	1/4	2,895.62	1/4	2,508.33	1/4	2,120.90
1/2		1/2	5,176.24	1/2	4,816.15	1/2	4,436.67	1/2	4,049.40	1/2	3,662.12	1/2	3,274.84	1/2	2,887.56	1/2	2,500.26	1/2	2,112.83
3/4		3/4	5,171.54	3/4	5,168.94	3/4	4,808.44	3/4	4,428.61	3/4	4,041.33	3/4	3,654.05	3/4	3,266.77	3/4	2,879.49	3/4	2,492.19

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" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-05 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	2,096.68	0	1,709.25	0	1,321.97	0	948.84	0	573.39	0	186.01	0		0		0		0	
1/4	2,088.61	1/4	1,701.18	1/4	1,314.05	1/4	941.09	1/4	565.32	1/4	177.94	1/4		1/4		1/4		1/4	
1/2	2,080.54	1/2	1,693.11	1/2	1,306.13	1/2	933.35	1/2	557.25	1/2	169.87	1/2		1/2		1/2		1/2	
3/4	2,072.47	3/4	1,685.04	3/4	1,298.22	3/4	925.61	3/4	549.18	3/4	161.79	3/4		3/4		3/4		3/4	
1	2,064.40	1	1,676.97	1	1,290.45	1	917.86	1	541.11	1	153.72	1		1		1		1	
1/4	2,056.33	1/4	1,668.89	1/4	1,282.68	1/4	910.12	1/4	533.03	1/4	145.65	1/4		1/4		1/4		1/4	
1/2	2,048.25	1/2	1,660.82	1/2	1,274.92	1/2	902.37	1/2	524.96	1/2	137.58	1/2		1/2		1/2		1/2	
3/4	2,040.18	3/4	1,652.75	3/4	1,267.15	3/4	894.63	3/4	516.89	3/4	129.51	3/4		3/4		3/4		3/4	
2	2,032.11	2	1,644.68	2	1,259.39	2	886.88	2	508.82	2	121.44	2		2		2		2	
1/4	2,024.04	1/4	1,636.61	1/4	1,251.62	1/4	879.14	1/4	500.75	1/4	113.36	1/4		1/4		1/4		1/4	
1/2	2,015.97	1/2	1,628.54	1/2	1,243.85	1/2	871.40	1/2	492.68	1/2	105.29	1/2		1/2		1/2		1/2	
3/4	2,007.90	3/4	1,620.46	3/4	1,236.09	3/4	863.65	3/4	484.61	3/4	97.22	3/4		3/4		3/4		3/4	
3	1,999.83	3	1,612.39	3	1,228.32	3	855.91	3	476.54	3	89.15	3		3		3		3	
1/4	1,991.75	1/4	1,604.32	1/4	1,220.56	1/4	848.16	1/4	468.48	1/4	81.08	1/4		1/4		1/4		1/4	
1/2	1,983.68	1/2	1,596.25	1/2	1,212.79	1/2	840.42	1/2	460.41	1/2	73.01	1/2		1/2		1/2		1/2	
3/4	1,975.61	3/4	1,588.18	3/4	1,205.02	3/4	832.68	3/4	452.34	3/4	64.94	3/4		3/4		3/4		3/4	
4	1,967.54	4	1,580.11	4	1,197.26	4	824.93	4	444.28	4	57.54	4		4		4		4	
1/4	1,959.47	1/4	1,572.04	1/4	1,189.49	1/4	817.19	1/4	436.21	1/4	50.14	1/4		1/4		1/4		1/4	
1/2	1,951.40	1/2	1,563.96	1/2	1,181.73	1/2	809.45	1/2	428.14	1/2	42.74	1/2		1/2		1/2		1/2	
3/4	1,943.32	3/4	1,555.89	3/4	1,173.96	3/4	801.70	3/4	420.07	3/4	35.34	3/4		3/4		3/4		3/4	
5	1,935.25	5	1,547.82	5	1,166.19	5	793.96	5	412.01	5	29.96	5		5		5		5	
1/4	1,927.18	1/4	1,539.75	1/4	1,158.43	1/4	786.22	1/4	403.94	1/4	24.58	1/4		1/4		1/4		1/4	
1/2	1,919.11	1/2	1,531.68	1/2	1,150.66	1/2	778.48	1/2	395.87	1/2	19.20	1/2		1/2		1/2		1/2	
3/4	1,911.04	3/4	1,523.61	3/4	1,142.90	3/4	770.74	3/4	387.80	3/4	13.82	3/4		3/4		3/4		3/4	
6	1,902.97	6	1,515.54	6	1,135.13	6	763.00	6	379.72	6		6		6		6		6	
1/4	1,894.90	1/4	1,507.46	1/4	1,127.36	1/4	755.25	1/4	371.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,886.82	1/2	1,499.39	1/2	1,119.60	1/2	747.51	1/2	363.58	1/2		1/2		1/2		1/2		1/2	
3/4	1,878.75	3/4	1,491.32	3/4	1,111.83	3/4	739.77	3/4	355.51	3/4		3/4		3/4		3/4		3/4	
7	1,870.68	7	1,483.25	7	1,104.07	7	732.02	7	347.44	7		7		7		7		7	
1/4	1,862.61	1/4	1,475.18	1/4	1,096.30	1/4	724.26	1/4	339.37	1/4		1/4		1/4		1/4		1/4	
1/2	1,854.54	1/2	1,467.11	1/2	1,088.53	1/2	716.51	1/2	331.30	1/2		1/2		1/2		1/2		1/2	
3/4	1,846.47	3/4	1,459.03	3/4	1,080.77	3/4	708.76	3/4	323.22	3/4		3/4		3/4		3/4		3/4	
8	1,838.40	8	1,450.96	8	1,073.00	8	701.00	8	315.15	8		8		8		8		8	
1/4	1,830.32	1/4	1,442.89	1/4	1,065.24	1/4	693.23	1/4	307.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,822.25	1/2	1,434.82	1/2	1,057.47	1/2	685.47	1/2	299.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,814.18	3/4	1,426.75	3/4	1,049.70	3/4	677.71	3/4	290.94	3/4		3/4		3/4		3/4		3/4	
9	1,806.11	9	1,418.68	9	1,041.94	9	669.79	9	282.87	9		9		9		9		9	
1/4	1,798.04	1/4	1,410.61	1/4	1,034.17	1/4	661.87	1/4	274.79	1/4		1/4		1/4		1/4		1/4	
1/2	1,789.97	1/2	1,402.53	1/2	1,026.41	1/2	653.95	1/2	266.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,781.89	3/4	1,394.46	3/4	1,018.64	3/4	646.03	3/4	258.65	3/4		3/4		3/4		3/4		3/4	
10	1,773.82	10	1,386.39	10	1,010.88	10	637.96	10	250.58	10		10		10		10		10	
1/4	1,765.75	1/4	1,378.32	1/4	1,003.11	1/4	629.89	1/4	242.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,757.68	1/2	1,370.25	1/2	995.35	1/2	621.82	1/2	234.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,749.61	3/4	1,362.18	3/4	987.59	3/4	613.75	3/4	226.37	3/4		3/4		3/4		3/4		3/4	
11	1,741.54	11	1,354.11	11	979.84	11	605.68	11	218.29	11		11		11		11		11	
1/4	1,733.47	1/4	1,346.03	1/4	972.09	1/4	597.60	1/4	210.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,725.39	1/2	1,337.96	1/2	964.33	1/2	589.53	1/2	202.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,717.32	3/4	1,329.89	3/4	956.58	3/4	581.46	3/4	194.08	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022



BARGE "CTC 29113"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-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	4,500.44	0	4,258.46	0	3,998.83	0	3,731.93	0	3,422.13	0	3,062.56	0	2,702.21	0	2,341.75
1/4		1/4	4,724.74	1/4	4,495.58	1/4	4,253.23	1/4	3,993.27	1/4	3,726.37	1/4	3,414.73	1/4	3,055.05	1/4	2,694.70	1/4	2,334.24
1/2		1/2	4,721.53	1/2	4,490.69	1/2	4,247.97	1/2	3,987.71	1/2	3,720.81	1/2	3,407.33	1/2	3,047.54	1/2	2,687.19	1/2	2,326.72
3/4		3/4	4,718.32	3/4	4,485.81	3/4	4,242.71	3/4	3,982.15	3/4	3,715.25	3/4	3,399.94	3/4	3,040.03	3/4	2,679.68	3/4	2,319.20
1		1	4,715.12	1	4,480.92	1	4,237.45	1	3,976.59	1	3,709.69	1	3,392.54	1	3,032.53	1	2,672.18	1	2,311.69
1/4		1/4	4,711.91	1/4	4,476.04	1/4	4,232.19	1/4	3,971.03	1/4	3,704.13	1/4	3,385.14	1/4	3,025.02	1/4	2,664.67	1/4	2,304.17
1/2		1/2	4,707.29	1/2	4,471.13	1/2	4,226.90	1/2	3,965.47	1/2	3,698.57	1/2	3,377.69	1/2	3,017.51	1/2	2,657.16	1/2	2,296.65
3/4		3/4	4,702.68	3/4	4,466.21	3/4	4,221.61	3/4	3,959.91	3/4	3,693.01	3/4	3,370.24	3/4	3,010.00	3/4	2,649.65	3/4	2,289.14
2		2	4,698.06	2	4,461.30	2	4,216.32	2	3,954.35	2	3,687.45	2	3,362.79	2	3,002.50	2	2,642.15	2	2,281.62
1/4		1/4	4,693.44	1/4	4,456.38	1/4	4,211.03	1/4	3,948.79	1/4	3,681.89	1/4	3,355.34	1/4	2,994.99	1/4	2,634.64	1/4	2,274.10
1/2		1/2	4,688.07	1/2	4,451.44	1/2	4,205.71	1/2	3,943.23	1/2	3,676.33	1/2	3,347.83	1/2	2,987.48	1/2	2,627.13	1/2	2,266.59
3/4		3/4	4,682.71	3/4	4,446.50	3/4	4,200.40	3/4	3,937.67	3/4	3,670.77	3/4	3,340.33	3/4	2,979.98	3/4	2,619.63	3/4	2,259.07
3		3	4,677.34	3	4,441.56	3	4,195.08	3	3,932.11	3	3,665.21	3	3,332.82	3	2,972.47	3	2,612.12	3	2,251.55
1/4		1/4	4,671.97	1/4	4,436.62	1/4	4,189.76	1/4	3,926.55	1/4	3,659.65	1/4	3,325.31	1/4	2,964.96	1/4	2,604.61	1/4	2,244.04
1/2		1/2	4,666.51	1/2	4,431.65	1/2	4,184.42	1/2	3,920.99	1/2	3,654.09	1/2	3,317.80	1/2	2,957.45	1/2	2,597.10	1/2	2,236.53
3/4		3/4	4,661.05	3/4	4,426.67	3/4	4,179.07	3/4	3,915.43	3/4	3,648.53	3/4	3,310.30	3/4	2,949.95	3/4	2,589.60	3/4	2,229.02
4		4	4,655.58	4	4,421.70	4	4,173.72	4	3,909.87	4	3,642.97	4	3,302.79	4	2,942.44	4	2,582.09	4	2,221.51
1/4		1/4	4,650.12	1/4	4,416.73	1/4	4,168.38	1/4	3,904.31	1/4	3,637.41	1/4	3,295.28	1/4	2,934.93	1/4	2,574.58	1/4	2,214.00
1/2		1/2	4,644.87	1/2	4,411.73	1/2	4,163.00	1/2	3,898.75	1/2	3,631.85	1/2	3,287.78	1/2	2,927.42	1/2	2,567.07	1/2	2,206.50
3/4		3/4	4,639.62	3/4	4,406.73	3/4	4,157.63	3/4	3,893.18	3/4	3,626.29	3/4	3,280.27	3/4	2,919.92	3/4	2,559.57	3/4	2,199.00
5		5	4,634.37	5	4,401.73	5	4,152.25	5	3,887.62	5	3,620.73	5	3,272.76	5	2,912.41	5	2,552.06	5	2,191.50
1/4		1/4	4,629.11	1/4	4,396.74	1/4	4,146.88	1/4	3,882.06	1/4	3,615.16	1/4	3,265.25	1/4	2,904.90	1/4	2,544.55	1/4	2,184.00
1/2		1/2	4,624.28	1/2	4,391.71	1/2	4,141.48	1/2	3,876.50	1/2	3,609.12	1/2	3,257.75	1/2	2,897.40	1/2	2,537.04	1/2	2,176.50
3/4		3/4	4,619.44	3/4	4,386.68	3/4	4,136.07	3/4	3,870.94	3/4	3,603.07	3/4	3,250.24	3/4	2,889.89	3/4	2,529.54	3/4	2,169.00
6		6	4,614.60	6	4,381.65	6	4,130.67	6	3,865.38	6	3,597.02	6	3,242.73	6	2,882.38	6	2,522.03	6	2,161.50
1/4		1/4	4,609.76	1/4	4,376.62	1/4	4,125.27	1/4	3,859.82	1/4	3,590.97	1/4	3,235.22	1/4	2,874.87	1/4	2,514.52	1/4	2,154.00
1/2		1/2	4,605.12	1/2	4,371.57	1/2	4,119.83	1/2	3,854.26	1/2	3,583.95	1/2	3,227.72	1/2	2,867.37	1/2	2,507.02	1/2	2,146.50
3/4		3/4	4,600.47	3/4	4,366.51	3/4	4,114.40	3/4	3,848.70	3/4	3,576.93	3/4	3,220.21	3/4	2,859.86	3/4	2,499.51	3/4	2,139.00
7		7	4,595.82	7	4,361.45	7	4,108.97	7	3,843.14	7	3,569.90	7	3,212.70	7	2,852.35	7	2,492.00	7	2,131.50
1/4		1/4	4,591.17	1/4	4,356.40	1/4	4,103.54	1/4	3,837.58	1/4	3,562.88	1/4	3,205.19	1/4	2,844.84	1/4	2,484.49	1/4	2,124.00
1/2		1/2	4,586.50	1/2	4,351.31	1/2	4,098.08	1/2	3,832.02	1/2	3,555.43	1/2	3,197.69	1/2	2,837.34	1/2	2,476.99	1/2	2,116.50
3/4		3/4	4,581.82	3/4	4,346.23	3/4	4,092.62	3/4	3,826.46	3/4	3,547.98	3/4	3,190.18	3/4	2,829.83	3/4	2,469.48	3/4	2,109.00
8		8	4,577.14	8	4,341.14	8	4,087.16	8	3,820.90	8	3,540.53	8	3,182.67	8	2,822.32	8	2,461.97	8	2,101.50
1/4		1/4	4,572.47	1/4	4,336.06	1/4	4,081.70	1/4	3,815.34	1/4	3,533.08	1/4	3,175.17	1/4	2,814.82	1/4	2,454.46	1/4	2,094.00
1/2		1/2	4,567.73	1/2	4,330.94	1/2	4,076.21	1/2	3,809.78	1/2	3,525.68	1/2	3,167.66	1/2	2,807.31	1/2	2,446.95	1/2	2,086.50
3/4		3/4	4,562.99	3/4	4,325.83	3/4	4,070.72	3/4	3,804.22	3/4	3,518.28	3/4	3,160.15	3/4	2,799.80	3/4	2,439.44	3/4	2,079.00
9		9	4,558.25	9	4,320.72	9	4,065.23	9	3,798.66	9	3,510.89	9	3,152.64	9	2,792.29	9	2,431.93	9	2,071.50
1/4		1/4	4,553.51	1/4	4,315.60	1/4	4,059.74	1/4	3,793.10	1/4	3,503.49	1/4	3,145.14	1/4	2,784.79	1/4	2,424.42	1/4	2,064.00
1/2		1/2	4,548.71	1/2	4,310.45	1/2	4,054.22	1/2	3,787.54	1/2	3,496.09	1/2	3,137.63	1/2	2,777.28	1/2	2,416.91	1/2	2,056.50
3/4		3/4	4,543.92	3/4	4,305.29	3/4	4,048.70	3/4	3,781.98	3/4	3,488.70	3/4	3,130.12	3/4	2,769.77	3/4	2,409.39	3/4	2,049.00
10		10	4,539.12	10	4,300.13	10	4,043.19	10	3,776.42	10	3,481.30	10	3,122.61	10	2,762.26	10	2,401.88	10	2,041.50
1/4		1/4	4,534.32	1/4	4,294.97	1/4	4,037.67	1/4	3,770.86	1/4	3,473.90	1/4	3,115.11	1/4	2,754.76	1/4	2,394.36	1/4	2,034.00
1/2		1/2	4,529.49	1/2	4,289.77	1/2	4,032.13	1/2	3,765.30	1/2	3,466.51	1/2	3,107.60	1/2	2,747.25	1/2	2,386.85	1/2	2,026.50
3/4		3/4	4,524.66	3/4	4,284.56	3/4	4,026.58	3/4	3,759.74	3/4	3,459.11	3/4	3,100.09	3/4	2,739.74	3/4	2,379.33	3/4	2,019.00
11		11	4,519.83	11	4,279.36	11	4,021.04	11	3,754.17	11	3,451.72	11	3,092.59	11	2,732.23	11	2,371.82	11	2,011.50
1/4		1/4	4,515.01	1/4	4,274.16	1/4	4,015.50	1/4	3,748.61	1/4	3,444.32	1/4	3,085.08	1/4	2,724.73	1/4	2,364.30	1/4	2,004.00
1/2		1/2	4,510.15	1/2	4,268.92	1/2	4,009.94	1/2	3,743.05	1/2	3,436.92	1/2	3,077.57	1/2	2,717.22	1/2	2,356.79	1/2	1,996.50
3/4		3/4	4,505.29	3/4	4,263.69	3/4	4,004.39	3/4	3,737.49	3/4	3,429.53	3/4	3,070.06	3/4	2,709.71	3/4	2,349.27	3/4	1,989.00

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" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-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	1,981.50	0	1,621.06	0	1,260.42	0	901.54	0	549.07	0	188.29	0		0		0		0	
1/4	1,974.00	1/4	1,613.55	1/4	1,252.90	1/4	894.23	1/4	541.55	1/4	180.78	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,966.50	1/2	1,606.03	1/2	1,245.39	1/2	886.93	1/2	534.03	1/2	173.26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,959.00	3/4	1,598.52	3/4	1,237.88	3/4	879.63	3/4	526.51	3/4	165.74	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,951.50	1	1,591.01	1	1,230.36	1	872.33	1	519.00	1	158.22	1	1	1	1	1	1	1	1
1/4	1,944.00	1/4	1,583.49	1/4	1,222.85	1/4	865.03	1/4	511.48	1/4	150.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,936.50	1/2	1,575.98	1/2	1,215.33	1/2	857.73	1/2	503.96	1/2	143.19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,929.00	3/4	1,568.47	3/4	1,207.82	3/4	850.43	3/4	496.45	3/4	135.67	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,921.50	2	1,560.95	2	1,200.31	2	843.13	2	488.93	2	128.16	2	2	2	2	2	2	2	2
1/4	1,914.00	1/4	1,553.44	1/4	1,192.79	1/4	835.83	1/4	481.41	1/4	120.64	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,906.50	1/2	1,545.93	1/2	1,185.28	1/2	828.53	1/2	473.89	1/2	113.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,899.00	3/4	1,538.41	3/4	1,177.77	3/4	821.24	3/4	466.38	3/4	105.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,891.50	3	1,530.90	3	1,170.25	3	813.94	3	458.86	3	98.09	3	3	3	3	3	3	3	3
1/4	1,884.00	1/4	1,523.39	1/4	1,162.74	1/4	806.64	1/4	451.35	1/4	90.57	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,876.49	1/2	1,515.87	1/2	1,155.22	1/2	799.34	1/2	443.84	1/2	83.05	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,868.99	3/4	1,508.36	3/4	1,147.71	3/4	792.04	3/4	436.32	3/4	75.54	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,861.48	4	1,500.85	4	1,140.20	4	784.74	4	428.81	4	68.02	4	4	4	4	4	4	4	4
1/4	1,853.98	1/4	1,493.33	1/4	1,132.68	1/4	777.44	1/4	421.30	1/4	60.50	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,846.46	1/2	1,485.82	1/2	1,125.17	1/2	770.14	1/2	413.79	1/2	53.61	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,838.95	3/4	1,478.31	3/4	1,117.65	3/4	762.84	3/4	406.27	3/4	46.72	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,831.44	5	1,470.79	5	1,110.14	5	755.54	5	398.76	5	39.83	5	5	5	5	5	5	5	5
1/4	1,823.92	1/4	1,463.28	1/4	1,102.63	1/4	748.24	1/4	391.25	1/4	32.94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,816.41	1/2	1,455.77	1/2	1,095.11	1/2	740.95	1/2	383.73	1/2	27.93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,808.90	3/4	1,448.25	3/4	1,087.60	3/4	733.65	3/4	376.22	3/4	22.92	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,801.38	6	1,440.74	6	1,080.08	6	726.35	6	368.70	6	17.90	6	6	6	6	6	6	6	6
1/4	1,793.87	1/4	1,433.23	1/4	1,072.57	1/4	719.06	1/4	361.19	1/4	12.89	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,786.36	1/2	1,425.71	1/2	1,065.06	1/2	711.76	1/2	353.67	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,778.84	3/4	1,418.20	3/4	1,057.54	3/4	704.46	3/4	346.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,771.33	7	1,410.69	7	1,050.03	7	697.16	7	338.64	7		7	7	7	7	7	7	7	7
1/4	1,763.82	1/4	1,403.17	1/4	1,042.52	1/4	689.86	1/4	331.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,756.30	1/2	1,395.66	1/2	1,035.00	1/2	682.56	1/2	323.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,748.79	3/4	1,388.15	3/4	1,027.49	3/4	675.25	3/4	316.09	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,741.27	8	1,380.63	8	1,019.97	8	667.94	8	308.57	8		8	8	8	8	8	8	8	8
1/4	1,733.76	1/4	1,373.12	1/4	1,012.46	1/4	660.63	1/4	301.05	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,726.25	1/2	1,365.60	1/2	1,004.95	1/2	653.32	1/2	293.53	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,718.73	3/4	1,358.09	3/4	997.43	3/4	646.00	3/4	286.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,711.22	9	1,350.58	9	989.92	9	638.68	9	278.50	9		9	9	9	9	9	9	9	9
1/4	1,703.71	1/4	1,343.06	1/4	982.40	1/4	631.36	1/4	270.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,696.19	1/2	1,335.55	1/2	974.99	1/2	623.94	1/2	263.47	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,688.68	3/4	1,328.04	3/4	967.57	3/4	616.52	3/4	255.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,681.17	10	1,320.52	10	960.15	10	609.10	10	248.43	10		10	10	10	10	10	10	10	10
1/4	1,673.65	1/4	1,313.01	1/4	952.73	1/4	601.69	1/4	240.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,666.14	1/2	1,305.50	1/2	945.41	1/2	594.17	1/2	233.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,658.63	3/4	1,297.99	3/4	938.10	3/4	586.65	3/4	225.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,651.11	11	1,290.47	11	930.78	11	579.13	11	218.36	11		11	11	11	11	11	11	11	11
1/4	1,643.60	1/4	1,282.96	1/4	923.46	1/4	571.62	1/4	210.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,636.09	1/2	1,275.45	1/2	916.15	1/2	564.10	1/2	203.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,628.57	3/4	1,267.93	3/4	908.85	3/4	556.58	3/4	195.81	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: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022



BARGE "CTC 29113"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-06"

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	4,705.26	0	4,475.53	0	4,232.60	0	3,972.11	0	3,704.70	0	3,392.79	0	3,033.52	0	2,673.59	0	2,313.71
1/4		1/4	4,702.05	1/4	4,470.64	1/4	4,227.33	1/4	3,966.54	1/4	3,699.13	1/4	3,385.40	1/4	3,026.02	1/4	2,666.09	1/4	2,306.20
1/2		1/2	4,698.83	1/2	4,465.74	1/2	4,222.06	1/2	3,960.97	1/2	3,693.55	1/2	3,378.01	1/2	3,018.52	1/2	2,658.60	1/2	2,298.69
3/4		3/4	4,695.62	3/4	4,460.84	3/4	4,216.79	3/4	3,955.40	3/4	3,687.98	3/4	3,370.62	3/4	3,011.03	3/4	2,651.10	3/4	2,291.18
1		1	4,692.40	1	4,455.94	1	4,211.52	1	3,949.83	1	3,682.41	1	3,363.23	1	3,003.53	1	2,643.60	1	2,283.67
1/4		1/4	4,687.77	1/4	4,451.02	1/4	4,206.22	1/4	3,944.26	1/4	3,676.84	1/4	3,355.79	1/4	2,996.03	1/4	2,636.10	1/4	2,276.16
1/2		1/2	4,683.15	1/2	4,446.09	1/2	4,200.92	1/2	3,938.69	1/2	3,671.27	1/2	3,348.35	1/2	2,988.53	1/2	2,628.61	1/2	2,268.65
3/4		3/4	4,678.52	3/4	4,441.17	3/4	4,195.62	3/4	3,933.12	3/4	3,665.70	3/4	3,340.90	3/4	2,981.03	3/4	2,621.11	3/4	2,261.14
2		2	4,673.89	2	4,436.24	2	4,190.32	2	3,927.54	2	3,660.13	2	3,333.46	2	2,973.53	2	2,613.62	2	2,253.63
1/4		1/4	4,668.51	1/4	4,431.29	1/4	4,184.99	1/4	3,921.97	1/4	3,654.56	1/4	3,325.96	1/4	2,966.03	1/4	2,606.12	1/4	2,246.12
1/2		1/2	4,663.13	1/2	4,426.33	1/2	4,179.66	1/2	3,916.40	1/2	3,648.98	1/2	3,318.46	1/2	2,958.54	1/2	2,598.63	1/2	2,238.61
3/4		3/4	4,657.75	3/4	4,421.38	3/4	4,174.33	3/4	3,910.83	3/4	3,643.41	3/4	3,310.97	3/4	2,951.04	3/4	2,591.14	3/4	2,231.10
3		3	4,652.37	3	4,416.42	3	4,169.00	3	3,905.26	3	3,637.84	3	3,303.47	3	2,943.54	3	2,583.64	3	2,223.60
1/4		1/4	4,646.90	1/4	4,411.44	1/4	4,163.64	1/4	3,899.69	1/4	3,632.27	1/4	3,295.97	1/4	2,936.04	1/4	2,576.15	1/4	2,216.09
1/2		1/2	4,641.43	1/2	4,406.46	1/2	4,158.28	1/2	3,894.12	1/2	3,626.70	1/2	3,288.47	1/2	2,928.54	1/2	2,568.66	1/2	2,208.59
3/4		3/4	4,635.95	3/4	4,401.47	3/4	4,152.93	3/4	3,888.55	3/4	3,621.13	3/4	3,280.97	3/4	2,921.04	3/4	2,561.16	3/4	2,201.09
4		4	4,630.48	4	4,396.49	4	4,147.57	4	3,882.97	4	3,615.56	4	3,273.47	4	2,913.55	4	2,553.67	4	2,193.59
1/4		1/4	4,625.22	1/4	4,391.48	1/4	4,142.18	1/4	3,877.40	1/4	3,609.99	1/4	3,265.97	1/4	2,906.05	1/4	2,546.18	1/4	2,186.10
1/2		1/2	4,619.95	1/2	4,386.47	1/2	4,136.80	1/2	3,871.83	1/2	3,604.41	1/2	3,258.48	1/2	2,898.55	1/2	2,538.68	1/2	2,178.61
3/4		3/4	4,614.69	3/4	4,381.46	3/4	4,131.41	3/4	3,866.26	3/4	3,598.84	3/4	3,250.98	3/4	2,891.05	3/4	2,531.19	3/4	2,171.11
5		5	4,609.43	5	4,376.44	5	4,126.03	5	3,860.69	5	3,593.27	5	3,243.48	5	2,883.55	5	2,523.70	5	2,163.62
1/4		1/4	4,604.58	1/4	4,371.40	1/4	4,120.61	1/4	3,855.12	1/4	3,587.21	1/4	3,235.98	1/4	2,876.05	1/4	2,516.20	1/4	2,156.13
1/2		1/2	4,599.73	1/2	4,366.36	1/2	4,115.20	1/2	3,849.55	1/2	3,581.16	1/2	3,228.48	1/2	2,868.55	1/2	2,508.71	1/2	2,148.63
3/4		3/4	4,594.88	3/4	4,361.32	3/4	4,109.78	3/4	3,843.98	3/4	3,575.10	3/4	3,220.98	3/4	2,861.06	3/4	2,501.22	3/4	2,141.14
6		6	4,590.03	6	4,356.28	6	4,104.37	6	3,838.41	6	3,569.04	6	3,213.49	6	2,853.56	6	2,493.72	6	2,133.65
1/4		1/4	4,585.37	1/4	4,351.22	1/4	4,098.93	1/4	3,832.83	1/4	3,562.01	1/4	3,205.99	1/4	2,846.06	1/4	2,486.23	1/4	2,126.15
1/2		1/2	4,580.71	1/2	4,346.15	1/2	4,093.48	1/2	3,827.26	1/2	3,554.98	1/2	3,198.49	1/2	2,838.56	1/2	2,478.74	1/2	2,118.66
3/4		3/4	4,576.04	3/4	4,341.08	3/4	4,088.04	3/4	3,821.69	3/4	3,547.96	3/4	3,190.99	3/4	2,831.06	3/4	2,471.24	3/4	2,111.17
7		7	4,571.38	7	4,336.01	7	4,082.60	7	3,816.12	7	3,540.93	7	3,183.49	7	2,823.56	7	2,463.75	7	2,103.68
1/4		1/4	4,566.69	1/4	4,330.91	1/4	4,077.12	1/4	3,810.55	1/4	3,533.47	1/4	3,175.99	1/4	2,816.06	1/4	2,456.26	1/4	2,096.23
1/2		1/2	4,562.00	1/2	4,325.82	1/2	4,071.65	1/2	3,804.98	1/2	3,526.02	1/2	3,168.49	1/2	2,808.57	1/2	2,448.77	1/2	2,088.78
3/4		3/4	4,557.31	3/4	4,320.72	3/4	4,066.18	3/4	3,799.41	3/4	3,518.57	3/4	3,161.00	3/4	2,801.07	3/4	2,441.27	3/4	2,081.34
8		8	4,552.62	8	4,315.62	8	4,060.71	8	3,793.84	8	3,511.11	8	3,153.50	8	2,793.57	8	2,433.78	8	2,073.89
1/4		1/4	4,547.87	1/4	4,310.50	1/4	4,055.21	1/4	3,788.26	1/4	3,503.71	1/4	3,146.00	1/4	2,786.07	1/4	2,426.28	1/4	2,066.49
1/2		1/2	4,543.12	1/2	4,305.37	1/2	4,049.71	1/2	3,782.69	1/2	3,496.31	1/2	3,138.50	1/2	2,778.57	1/2	2,418.79	1/2	2,059.09
3/4		3/4	4,538.37	3/4	4,300.25	3/4	4,044.21	3/4	3,777.12	3/4	3,488.91	3/4	3,131.00	3/4	2,771.07	3/4	2,411.29	3/4	2,051.69
9		9	4,533.62	9	4,295.12	9	4,038.71	9	3,771.55	9	3,481.51	9	3,123.50	9	2,763.58	9	2,403.79	9	2,044.29
1/4		1/4	4,528.81	1/4	4,289.95	1/4	4,033.18	1/4	3,765.98	1/4	3,474.11	1/4	3,116.00	1/4	2,756.08	1/4	2,396.29	1/4	2,036.89
1/2		1/2	4,524.00	1/2	4,284.78	1/2	4,027.65	1/2	3,760.41	1/2	3,466.71	1/2	3,108.51	1/2	2,748.58	1/2	2,388.78	1/2	2,029.49
3/4		3/4	4,519.18	3/4	4,279.61	3/4	4,022.13	3/4	3,754.84	3/4	3,459.31	3/4	3,101.01	3/4	2,741.08	3/4	2,381.28	3/4	2,022.10
10		10	4,514.37	10	4,274.44	10	4,016.60	10	3,749.27	10	3,451.91	10	3,093.51	10	2,733.58	10	2,373.78	10	2,014.70
1/4		1/4	4,509.53	1/4	4,269.22	1/4	4,011.04	1/4	3,743.69	1/4	3,444.52	1/4	3,086.01	1/4	2,726.08	1/4	2,366.27	1/4	2,007.30
1/2		1/2	4,504.69	1/2	4,264.01	1/2	4,005.49	1/2	3,738.12	1/2	3,437.13	1/2	3,078.51	1/2	2,718.58	1/2	2,358.76	1/2	1,999.90
3/4		3/4	4,499.85	3/4	4,258.79	3/4	3,999.94	3/4	3,732.55	3/4	3,429.73	3/4	3,071.01	3/4	2,711.09	3/4	2,351.25	3/4	1,992.50
11		11	4,495.01	11	4,253.58	11	3,994.38	11	3,726.98	11	3,422.34	11	3,063.52	11	2,703.59	11	2,343.74	11	1,985.10
1/4		1/4	4,490.14	1/4	4,248.34	1/4	3,988.82	1/4	3,721.41	1/4	3,414.95	1/4	3,056.02	1/4	2,696.09	1/4	2,336.23	1/4	1,977.70
1/2		1/2	4,485.27	1/2	4,243.09	1/2	3,983.25	1/2	3,715.84	1/2	3,407.56	1/2	3,048.52	1/2	2,688.59	1/2	2,328.73	1/2	1,970.30
3/4		3/4	4,480.40	3/4	4,237.85	3/4	3,977.68	3/4	3,710.27	3/4	3,400.18	3/4	3,041.02	3/4	2,681.09	3/4	2,321.22	3/4	1,962.90

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" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CTC 29113"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 311"

GAUGE HEIGHT 15'-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	1,955.50	0	1,598.26	0	1,238.13	0	882.87	0	541.34	0	180.84	0		0		0		0	
1/4	1,948.10	1/4	1,590.76	1/4	1,230.62	1/4	875.87	1/4	533.83	1/4	173.33	1/4		1/4		1/4		1/4	
1/2	1,940.70	1/2	1,583.25	1/2	1,223.12	1/2	868.87	1/2	526.31	1/2	165.82	1/2		1/2		1/2		1/2	
3/4	1,933.30	3/4	1,575.75	3/4	1,215.62	3/4	861.87	3/4	518.80	3/4	158.31	3/4		3/4		3/4		3/4	
1	1,925.90	1	1,568.25	1	1,208.11	1	854.87	1	511.29	1	150.80	1		1		1		1	
1/4	1,918.50	1/4	1,560.75	1/4	1,200.61	1/4	847.87	1/4	503.78	1/4	143.28	1/4		1/4		1/4		1/4	
1/2	1,911.10	1/2	1,553.24	1/2	1,193.11	1/2	840.86	1/2	496.27	1/2	135.76	1/2		1/2		1/2		1/2	
3/4	1,903.70	3/4	1,545.74	3/4	1,185.60	3/4	833.86	3/4	488.76	3/4	128.25	3/4		3/4		3/4		3/4	
2	1,896.31	2	1,538.24	2	1,178.10	2	826.85	2	481.25	2	120.73	2		2		2		2	
1/4	1,888.91	1/4	1,530.74	1/4	1,170.60	1/4	819.85	1/4	473.74	1/4	113.21	1/4		1/4		1/4		1/4	
1/2	1,881.51	1/2	1,523.23	1/2	1,163.09	1/2	812.84	1/2	466.23	1/2	105.68	1/2		1/2		1/2		1/2	
3/4	1,874.11	3/4	1,515.73	3/4	1,155.59	3/4	805.84	3/4	458.72	3/4	98.16	3/4		3/4		3/4		3/4	
3	1,866.71	3	1,508.23	3	1,148.08	3	798.83	3	451.21	3	90.64	3		3		3		3	
1/4	1,859.30	1/4	1,500.72	1/4	1,140.57	1/4	791.83	1/4	443.70	1/4	83.12	1/4		1/4		1/4		1/4	
1/2	1,851.90	1/2	1,493.22	1/2	1,133.07	1/2	784.82	1/2	436.19	1/2	75.59	1/2		1/2		1/2		1/2	
3/4	1,844.49	3/4	1,485.72	3/4	1,125.56	3/4	777.82	3/4	428.69	3/4	68.07	3/4		3/4		3/4		3/4	
4	1,837.08	4	1,478.22	4	1,118.06	4	770.81	4	421.18	4	60.55	4		4		4		4	
1/4	1,829.67	1/4	1,470.71	1/4	1,110.55	1/4	763.81	1/4	413.67	1/4	53.05	1/4		1/4		1/4		1/4	
1/2	1,822.26	1/2	1,463.21	1/2	1,103.05	1/2	756.81	1/2	406.17	1/2	45.54	1/2		1/2		1/2		1/2	
3/4	1,814.85	3/4	1,455.71	3/4	1,095.55	3/4	749.80	3/4	398.66	3/4	38.02	3/4		3/4		3/4		3/4	
5	1,807.43	5	1,448.21	5	1,088.05	5	742.80	5	391.15	5	30.50	5		5		5		5	
1/4	1,800.02	1/4	1,440.70	1/4	1,080.55	1/4	735.80	1/4	383.64	1/4	22.98	1/4		1/4		1/4		1/4	
1/2	1,792.61	1/2	1,433.20	1/2	1,073.05	1/2	728.79	1/2	376.13	1/2	15.46	1/2		1/2		1/2		1/2	
3/4	1,785.20	3/4	1,425.70	3/4	1,065.55	3/4	721.79	3/4	368.62	3/4	7.94	3/4		3/4		3/4		3/4	
6	1,777.78	6	1,418.19	6	1,058.06	6	714.79	6	361.11	6	12.90	6		6		6		6	
1/4	1,770.37	1/4	1,410.69	1/4	1,050.56	1/4	707.79	1/4	353.60	1/4	6.42	1/4		1/4		1/4		1/4	
1/2	1,762.96	1/2	1,403.19	1/2	1,043.06	1/2	700.78	1/2	346.09	1/2	0.90	1/2		1/2		1/2		1/2	
3/4	1,755.55	3/4	1,395.69	3/4	1,035.56	3/4	693.78	3/4	338.58	3/4	0.38	3/4		3/4		3/4		3/4	
7	1,748.13	7	1,388.18	7	1,028.07	7	686.77	7	331.07	7		7		7		7		7	
1/4	1,740.68	1/4	1,380.68	1/4	1,020.57	1/4	679.75	1/4	323.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,733.22	1/2	1,373.18	1/2	1,013.07	1/2	672.73	1/2	316.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,725.76	3/4	1,365.68	3/4	1,005.57	3/4	665.71	3/4	308.54	3/4		3/4		3/4		3/4		3/4	
8	1,718.30	8	1,358.17	8	998.08	8	658.69	8	301.02	8		8		8		8		8	
1/4	1,710.80	1/4	1,350.67	1/4	990.58	1/4	651.65	1/4	293.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,703.30	1/2	1,343.17	1/2	983.08	1/2	644.61	1/2	286.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,695.79	3/4	1,335.66	3/4	975.58	3/4	637.57	3/4	278.49	3/4		3/4		3/4		3/4		3/4	
9	1,688.29	9	1,328.16	9	968.09	9	630.54	9	270.98	9		9		9		9		9	
1/4	1,680.79	1/4	1,320.66	1/4	960.82	1/4	623.26	1/4	263.47	1/4		1/4		1/4		1/4		1/4	
1/2	1,673.29	1/2	1,313.16	1/2	953.56	1/2	615.98	1/2	255.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,665.78	3/4	1,305.65	3/4	946.29	3/4	608.70	3/4	248.45	3/4		3/4		3/4		3/4		3/4	
10	1,658.28	10	1,298.15	10	939.03	10	601.43	10	240.93	10		10		10		10		10	
1/4	1,650.78	1/4	1,290.65	1/4	932.00	1/4	593.92	1/4	233.42	1/4		1/4		1/4		1/4		1/4	
1/2	1,643.28	1/2	1,283.15	1/2	924.97	1/2	586.41	1/2	225.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,635.77	3/4	1,275.64	3/4	917.94	3/4	578.89	3/4	218.40	3/4		3/4		3/4		3/4		3/4	
11	1,628.27	11	1,268.14	11	910.91	11	571.38	11	210.89	11		11		11		11		11	
1/4	1,620.77	1/4	1,260.64	1/4	903.90	1/4	563.87	1/4	203.38	1/4		1/4		1/4		1/4		1/4	
1/2	1,613.26	1/2	1,253.13	1/2	896.89	1/2	556.36	1/2	195.87	1/2		1/2		1/2		1/2		1/2	
3/4	1,605.76	3/4	1,245.63	3/4	889.88	3/4	548.85	3/4	188.35	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/25/2022 JS
CALCULATED: 07/27/2022 CL
NAME CHANGE: 11/16/2022 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

