



BARGE "304"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

August 6, 2014

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
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BARGE "304"

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-02 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.	IN	10 FT.
0	6.84	0	156.24	0	312.15	0	468.05	0	623.95	0	779.86	0	935.76	0	1,091.67	0	1,247.54	0	1,403.06	0	
1/4	8.87	1/4	159.49	1/4	315.40	1/4	471.30	1/4	627.20	1/4	783.11	1/4	939.01	1/4	1,094.92	1/4	1,250.78	1/4	1,406.30	1/4	
1/2	10.90	1/2	162.74	1/2	318.65	1/2	474.55	1/2	630.45	1/2	786.35	1/2	942.26	1/2	1,098.16	1/2	1,254.02	1/2	1,409.54	1/2	
3/4	12.92	3/4	165.99	3/4	321.89	3/4	477.79	3/4	633.70	3/4	789.60	3/4	945.51	3/4	1,101.41	3/4	1,257.26	3/4	1,412.78	3/4	
1	14.95	1	169.24	1	325.14	1	481.04	1	636.95	1	792.85	1	948.76	1	1,104.66	1	1,260.50	1	1,416.02	1	
1/4	17.79	1/4	172.49	1/4	328.39	1/4	484.29	1/4	640.20	1/4	796.10	1/4	952.01	1/4	1,107.91	1/4	1,263.74	1/4	1,419.26	1/4	
1/2	20.64	1/2	175.74	1/2	331.64	1/2	487.54	1/2	643.44	1/2	799.34	1/2	955.25	1/2	1,111.15	1/2	1,266.97	1/2	1,422.50	1/2	
3/4	23.48	3/4	178.98	3/4	334.88	3/4	490.79	3/4	646.69	3/4	802.59	3/4	958.50	3/4	1,114.40	3/4	1,270.21	3/4	1,425.74	3/4	
2	26.32	2	182.23	2	338.13	2	494.04	2	649.94	2	805.84	2	961.75	2	1,117.65	2	1,273.45	2	1,428.98	2	
1/4	29.57	1/4	185.48	1/4	341.38	1/4	497.29	1/4	653.19	1/4	809.09	1/4	965.00	1/4	1,120.90	1/4	1,276.69	1/4	1,432.22	1/4	
1/2	32.82	1/2	188.73	1/2	344.63	1/2	500.54	1/2	656.43	1/2	812.34	1/2	968.24	1/2	1,124.14	1/2	1,279.93	1/2	1,435.46	1/2	
3/4	36.07	3/4	191.97	3/4	347.87	3/4	503.78	3/4	659.68	3/4	815.59	3/4	971.49	3/4	1,127.39	3/4	1,283.18	3/4	1,438.70	3/4	
3	39.32	3	195.22	3	351.12	3	507.03	3	662.93	3	818.84	3	974.74	3	1,130.64	3	1,286.42	3	1,441.94	3	
1/4	42.57	1/4	198.47	1/4	354.37	1/4	510.28	1/4	666.18	1/4	822.09	1/4	977.99	1/4	1,133.89	1/4	1,289.66	1/4	1,445.18	1/4	
1/2	45.82	1/2	201.72	1/2	357.62	1/2	513.53	1/2	669.42	1/2	825.33	1/2	981.23	1/2	1,137.14	1/2	1,292.90	1/2	1,448.42	1/2	
3/4	49.06	3/4	204.96	3/4	360.87	3/4	516.77	3/4	672.67	3/4	828.58	3/4	984.48	3/4	1,140.39	3/4	1,296.14	3/4	1,451.66	3/4	
4	52.31	4	208.21	4	364.12	4	520.02	4	675.92	4	831.83	4	987.73	4	1,143.64	4	1,299.38	4	1,454.90	4	
1/4	55.56	1/4	211.46	1/4	367.37	1/4	523.27	1/4	679.17	1/4	835.08	1/4	990.98	1/4	1,146.89	1/4	1,302.62	1/4	1,458.14	1/4	
1/2	58.81	1/2	214.71	1/2	370.62	1/2	526.52	1/2	682.42	1/2	838.32	1/2	994.22	1/2	1,150.13	1/2	1,305.86	1/2	1,461.38	1/2	
3/4	62.05	3/4	217.95	3/4	373.86	3/4	529.76	3/4	685.67	3/4	841.57	3/4	997.47	3/4	1,153.38	3/4	1,309.10	3/4	1,464.62	3/4	
5	65.30	5	221.20	5	377.11	5	533.01	5	688.92	5	844.82	5	1,000.72	5	1,156.63	5	1,312.34	5	1,467.86	5	
1/4	68.55	1/4	224.45	1/4	380.36	1/4	536.26	1/4	692.17	1/4	848.07	1/4	1,003.97	1/4	1,159.88	1/4	1,315.58	1/4	1,471.10	1/4	
1/2	71.80	1/2	227.70	1/2	383.61	1/2	539.51	1/2	695.41	1/2	851.31	1/2	1,007.22	1/2	1,163.12	1/2	1,318.82	1/2	1,474.34	1/2	
3/4	75.04	3/4	230.95	3/4	386.85	3/4	542.75	3/4	698.66	3/4	854.56	3/4	1,010.47	3/4	1,166.37	3/4	1,322.06	3/4	1,477.58	3/4	
6	78.29	6	234.20	6	390.10	6	546.00	6	701.91	6	857.81	6	1,013.72	6	1,169.62	6	1,325.30	6	1,480.82	6	
1/4	81.54	1/4	237.45	1/4	393.35	1/4	549.25	1/4	705.16	1/4	861.06	1/4	1,016.97	1/4	1,172.87	1/4	1,328.54	1/4	1,483.75	1/4	
1/2	84.79	1/2	240.70	1/2	396.60	1/2	552.50	1/2	708.40	1/2	864.30	1/2	1,020.21	1/2	1,176.11	1/2	1,331.78	1/2	1,486.68	1/2	
3/4	88.03	3/4	243.94	3/4	399.84	3/4	555.75	3/4	711.65	3/4	867.55	3/4	1,023.46	3/4	1,179.36	3/4	1,335.02	3/4	1,489.62	3/4	
7	91.28	7	247.19	7	403.09	7	559.00	7	714.90	7	870.80	7	1,026.71	7	1,182.61	7	1,338.26	7	1,492.55	7	
1/4	94.53	1/4	250.44	1/4	406.34	1/4	562.25	1/4	718.15	1/4	874.05	1/4	1,029.96	1/4	1,185.86	1/4	1,341.50	1/4	1,494.86	1/4	
1/2	97.78	1/2	253.69	1/2	409.59	1/2	565.50	1/2	721.39	1/2	877.30	1/2	1,033.20	1/2	1,189.10	1/2	1,344.74	1/2	1,497.17	1/2	
3/4	101.03	3/4	256.93	3/4	412.83	3/4	568.74	3/4	724.64	3/4	880.55	3/4	1,036.45	3/4	1,192.35	3/4	1,347.98	3/4	1,499.49	3/4	
8	104.28	8	260.18	8	416.08	8	571.99	8	727.89	8	883.80	8	1,039.70	8	1,195.60	8	1,351.22	8	1,501.80	8	
1/4	107.53	1/4	263.43	1/4	419.33	1/4	575.24	1/4	731.14	1/4	887.05	1/4	1,042.95	1/4	1,198.82	1/4	1,354.46	1/4	1,503.49	1/4	
1/2	110.78	1/2	266.68	1/2	422.58	1/2	578.48	1/2	734.38	1/2	890.29	1/2	1,046.19	1/2	1,202.05	1/2	1,357.70	1/2	1,505.18	1/2	
3/4	114.02	3/4	269.92	3/4	425.83	3/4	581.73	3/4	737.63	3/4	893.54	3/4	1,049.44	3/4	1,205.27	3/4	1,360.94	3/4	1,506.88	3/4	
9	117.27	9	273.17	9	429.08	9	584.98	9	740.88	9	896.79	9	1,052.69	9	1,208.50	9	1,364.18	9	1,508.57	9	
1/4	120.52	1/4	276.42	1/4	432.33	1/4	588.23	1/4	744.08	1/4	900.04	1/4	1,055.94	1/4	1,211.77	1/4	1,367.42	1/4	1,509.65	1/4	
1/2	123.77	1/2	279.67	1/2	435.58	1/2	591.47	1/2	747.28	1/2	903.28	1/2	1,059.18	1/2	1,215.04	1/2	1,370.66	1/2	1,510.72	1/2	
3/4	127.01	3/4	282.91	3/4	438.82	3/4	594.72	3/4	750.48	3/4	906.53	3/4	1,062.43	3/4	1,218.32	3/4	1,373.90	3/4	1,511.80	3/4	
10	130.26	10	286.16	10	442.07	10	597.97	10	753.68	10	909.78	10	1,065.68	10	1,221.59	10	1,377.14	10	1,512.88	10	
1/4	133.51	1/4	289.42	1/4	445.32	1/4	601.22	1/4	756.98	1/4	913.03	1/4	1,068.93	1/4	1,224.84	1/4	1,380.38	1/4	1,513.33	1/4	
1/2	136.76	1/2	292.67	1/2	448.58	1/2	604.47	1/2	760.27	1/2	916.27	1/2	1,072.18	1/2	1,228.08	1/2	1,383.62	1/2	1,513.79	1/2	
3/4	140.00	3/4	295.93	3/4	451.83	3/4	607.73	3/4	763.57	3/4	919.52	3/4	1,075.43	3/4	1,231.33	3/4	1,386.86	3/4	1,514.24	3/4	
11	143.25	11	299.18	11	455.08	11	610.98	11	766.87	11	922.77	11	1,078.68	11	1,234.58	11	1,390.10	11	1,514.70	11	
1/4	146.50	1/4	302.42	1/4	458.32	1/4	614.22	1/4	770.12	1/4	926.02	1/4	1,081.93	1/4	1,237.82	1/4	1,393.34	1/4	1,514.77	1/4	
1/2	149.75	1/2	305.67	1/2	461.57	1/2	617.46	1/2	773.36	1/2	929.26	1/2	1,085.17	1/2	1,241.06	1/2	1,396.58	1/2			
3/4	152.99	3/4	308.91	3/4	464.81	3/4	620.71	3/4	776.61	3/4	932.51	3/4	1,088.42	3/4	1,244.30	3/4	1,399.82	3/4			

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 20'-06" FORWARD OF AFT BULKHEAD

STRAPPED: 08/6/2014 SW
CALCULATED: 08/6/2014 SW
PRINTED: 08/6/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "304"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-02 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.	IN	10 FT.
0	6.84	0	156.24	0	312.15	0	468.05	0	623.95	0	779.86	0	935.76	0	1,091.67	0	1,247.54	0	1,403.06	0	
1/4	8.87	1/4	159.49	1/4	315.40	1/4	471.30	1/4	627.20	1/4	783.11	1/4	939.01	1/4	1,094.92	1/4	1,250.78	1/4	1,406.30	1/4	
1/2	10.90	1/2	162.74	1/2	318.65	1/2	474.55	1/2	630.45	1/2	786.35	1/2	942.26	1/2	1,098.16	1/2	1,254.02	1/2	1,409.54	1/2	
3/4	12.92	3/4	165.99	3/4	321.89	3/4	477.79	3/4	633.70	3/4	789.60	3/4	945.51	3/4	1,101.41	3/4	1,257.26	3/4	1,412.78	3/4	
1	14.95	1	169.24	1	325.14	1	481.04	1	636.95	1	792.85	1	948.76	1	1,104.66	1	1,260.50	1	1,416.02	1	
1/4	17.79	1/4	172.49	1/4	328.39	1/4	484.29	1/4	640.20	1/4	796.10	1/4	952.01	1/4	1,107.91	1/4	1,263.74	1/4	1,419.26	1/4	
1/2	20.64	1/2	175.74	1/2	331.64	1/2	487.54	1/2	643.44	1/2	799.34	1/2	955.25	1/2	1,111.15	1/2	1,266.97	1/2	1,422.50	1/2	
3/4	23.48	3/4	178.98	3/4	334.88	3/4	490.79	3/4	646.69	3/4	802.59	3/4	958.50	3/4	1,114.40	3/4	1,270.21	3/4	1,425.74	3/4	
2	26.32	2	182.23	2	338.13	2	494.04	2	649.94	2	805.84	2	961.75	2	1,117.65	2	1,273.45	2	1,428.98	2	
1/4	29.57	1/4	185.48	1/4	341.38	1/4	497.29	1/4	653.19	1/4	809.09	1/4	965.00	1/4	1,120.90	1/4	1,276.69	1/4	1,432.22	1/4	
1/2	32.82	1/2	188.73	1/2	344.63	1/2	500.54	1/2	656.43	1/2	812.34	1/2	968.24	1/2	1,124.14	1/2	1,279.93	1/2	1,435.46	1/2	
3/4	36.07	3/4	191.97	3/4	347.87	3/4	503.78	3/4	659.68	3/4	815.59	3/4	971.49	3/4	1,127.39	3/4	1,283.18	3/4	1,438.70	3/4	
3	39.32	3	195.22	3	351.12	3	507.03	3	662.93	3	818.84	3	974.74	3	1,130.64	3	1,286.42	3	1,441.94	3	
1/4	42.57	1/4	198.47	1/4	354.37	1/4	510.28	1/4	666.18	1/4	822.09	1/4	977.99	1/4	1,133.89	1/4	1,289.66	1/4	1,445.18	1/4	
1/2	45.82	1/2	201.72	1/2	357.62	1/2	513.53	1/2	669.42	1/2	825.33	1/2	981.23	1/2	1,137.14	1/2	1,292.90	1/2	1,448.42	1/2	
3/4	49.06	3/4	204.96	3/4	360.87	3/4	516.77	3/4	672.67	3/4	828.58	3/4	984.48	3/4	1,140.39	3/4	1,296.14	3/4	1,451.66	3/4	
4	52.31	4	208.21	4	364.12	4	520.02	4	675.92	4	831.83	4	987.73	4	1,143.64	4	1,299.38	4	1,454.90	4	
1/4	55.56	1/4	211.46	1/4	367.37	1/4	523.27	1/4	679.17	1/4	835.08	1/4	990.98	1/4	1,146.89	1/4	1,302.62	1/4	1,458.14	1/4	
1/2	58.81	1/2	214.71	1/2	370.62	1/2	526.52	1/2	682.42	1/2	838.32	1/2	994.22	1/2	1,150.13	1/2	1,305.86	1/2	1,461.38	1/2	
3/4	62.05	3/4	217.95	3/4	373.86	3/4	529.76	3/4	685.67	3/4	841.57	3/4	997.47	3/4	1,153.38	3/4	1,309.10	3/4	1,464.62	3/4	
5	65.30	5	221.20	5	377.11	5	533.01	5	688.92	5	844.82	5	1,000.72	5	1,156.63	5	1,312.34	5	1,467.86	5	
1/4	68.55	1/4	224.45	1/4	380.36	1/4	536.26	1/4	692.17	1/4	848.07	1/4	1,003.97	1/4	1,159.88	1/4	1,315.58	1/4	1,471.10	1/4	
1/2	71.80	1/2	227.70	1/2	383.61	1/2	539.51	1/2	695.41	1/2	851.31	1/2	1,007.22	1/2	1,163.12	1/2	1,318.82	1/2	1,474.34	1/2	
3/4	75.04	3/4	230.95	3/4	386.85	3/4	542.75	3/4	698.66	3/4	854.56	3/4	1,010.47	3/4	1,166.37	3/4	1,322.06	3/4	1,477.58	3/4	
6	78.29	6	234.20	6	390.10	6	546.00	6	701.91	6	857.81	6	1,013.72	6	1,169.62	6	1,325.30	6	1,480.82	6	
1/4	81.54	1/4	237.45	1/4	393.35	1/4	549.25	1/4	705.16	1/4	861.06	1/4	1,016.97	1/4	1,172.87	1/4	1,328.54	1/4	1,483.75	1/4	
1/2	84.79	1/2	240.70	1/2	396.60	1/2	552.50	1/2	708.40	1/2	864.30	1/2	1,020.21	1/2	1,176.11	1/2	1,331.78	1/2	1,486.68	1/2	
3/4	88.03	3/4	243.94	3/4	399.84	3/4	555.75	3/4	711.65	3/4	867.55	3/4	1,023.46	3/4	1,179.36	3/4	1,335.02	3/4	1,489.62	3/4	
7	91.28	7	247.19	7	403.09	7	559.00	7	714.90	7	870.80	7	1,026.71	7	1,182.61	7	1,338.26	7	1,492.55	7	
1/4	94.53	1/4	250.44	1/4	406.34	1/4	562.25	1/4	718.15	1/4	874.05	1/4	1,029.96	1/4	1,185.86	1/4	1,341.50	1/4	1,494.86	1/4	
1/2	97.78	1/2	253.69	1/2	409.59	1/2	565.50	1/2	721.39	1/2	877.30	1/2	1,033.20	1/2	1,189.10	1/2	1,344.74	1/2	1,497.17	1/2	
3/4	101.03	3/4	256.93	3/4	412.83	3/4	568.74	3/4	724.64	3/4	880.55	3/4	1,036.45	3/4	1,192.35	3/4	1,347.98	3/4	1,499.49	3/4	
8	104.28	8	260.18	8	416.08	8	571.99	8	727.89	8	883.80	8	1,039.70	8	1,195.60	8	1,351.22	8	1,501.80	8	
1/4	107.53	1/4	263.43	1/4	419.33	1/4	575.24	1/4	731.14	1/4	887.05	1/4	1,042.95	1/4	1,198.82	1/4	1,354.46	1/4	1,503.49	1/4	
1/2	110.78	1/2	266.68	1/2	422.58	1/2	578.48	1/2	734.38	1/2	890.29	1/2	1,046.19	1/2	1,202.05	1/2	1,357.70	1/2	1,505.18	1/2	
3/4	114.02	3/4	269.92	3/4	425.83	3/4	581.73	3/4	737.63	3/4	893.54	3/4	1,049.44	3/4	1,205.27	3/4	1,360.94	3/4	1,506.88	3/4	
9	117.27	9	273.17	9	429.08	9	584.98	9	740.88	9	896.79	9	1,052.69	9	1,208.50	9	1,364.18	9	1,508.57	9	
1/4	120.52	1/4	276.42	1/4	432.33	1/4	588.23	1/4	744.08	1/4	900.04	1/4	1,055.94	1/4	1,211.77	1/4	1,367.42	1/4	1,509.65	1/4	
1/2	123.77	1/2	279.67	1/2	435.58	1/2	591.47	1/2	747.28	1/2	903.28	1/2	1,059.18	1/2	1,215.04	1/2	1,370.66	1/2	1,510.72	1/2	
3/4	127.01	3/4	282.91	3/4	438.82	3/4	594.72	3/4	750.48	3/4	906.53	3/4	1,062.43	3/4	1,218.32	3/4	1,373.90	3/4	1,511.80	3/4	
10	130.26	10	286.16	10	442.07	10	597.97	10	753.68	10	909.78	10	1,065.68	10	1,221.59	10	1,377.14	10	1,512.88	10	
1/4	133.51	1/4	289.42	1/4	445.32	1/4	601.22	1/4	756.98	1/4	913.03	1/4	1,068.93	1/4	1,224.84	1/4	1,380.38	1/4	1,513.33	1/4	
1/2	136.76	1/2	292.67	1/2	448.58	1/2	604.47	1/2	760.27	1/2	916.27	1/2	1,072.18	1/2	1,228.08	1/2	1,383.62	1/2	1,513.79	1/2	
3/4	140.00	3/4	295.93	3/4	451.83	3/4	607.73	3/4	763.57	3/4	919.52	3/4	1,075.43	3/4	1,231.33	3/4	1,386.86	3/4	1,514.24	3/4	
11	143.25	11	299.18	11	455.08	11	610.98	11	766.87	11	922.77	11	1,078.68	11	1,234.58	11	1,390.10	11	1,514.70	11	
1/4	146.50	1/4	302.42	1/4	458.32	1/4	614.22	1/4	770.12	1/4	926.02	1/4	1,081.93	1/4	1,237.82	1/4	1,393.34	1/4	1,514.77	1/4	
1/2	149.75	1/2	305.67	1/2	461.57	1/2	617.46	1/2	773.36	1/2	929.26	1/2	1,085.17	1/2	1,241.06	1/2	1,396.58	1/2			
3/4	152.99	3/4	308.91	3/4	464.81	3/4	620.71	3/4	776.61	3/4	932.51	3/4	1,088.42	3/4	1,244.30	3/4	1,399.82	3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 20'-06" FORWARD OF AFT BULKHEAD

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "304"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	6.77	0	154.93	0	310.16	0	465.40	0	620.63	0	775.86	0	931.09	0	1,086.32	0	1,241.46	0	1,395.54	0	
1/4	8.78	1/4	158.17	1/4	313.40	1/4	468.63	1/4	623.86	1/4	779.10	1/4	934.33	1/4	1,089.56	1/4	1,244.67	1/4	1,398.75	1/4	
1/2	10.80	1/2	161.40	1/2	316.63	1/2	471.87	1/2	627.10	1/2	782.33	1/2	937.56	1/2	1,092.79	1/2	1,247.88	1/2	1,401.96	1/2	
3/4	12.81	3/4	164.64	3/4	319.87	3/4	475.10	3/4	630.33	3/4	785.57	3/4	940.80	3/4	1,096.03	3/4	1,251.09	3/4	1,405.17	3/4	
1	14.82	1	167.87	1	323.10	1	478.33	1	633.56	1	788.80	1	944.03	1	1,099.26	1	1,254.30	1	1,408.38	1	
1/4	17.64	1/4	171.10	1/4	326.34	1/4	481.57	1/4	636.80	1/4	792.03	1/4	947.26	1/4	1,102.50	1/4	1,257.51	1/4	1,411.59	1/4	
1/2	20.45	1/2	174.34	1/2	329.57	1/2	484.80	1/2	640.03	1/2	795.27	1/2	950.50	1/2	1,105.73	1/2	1,260.72	1/2	1,414.80	1/2	
3/4	23.27	3/4	177.57	3/4	332.81	3/4	488.04	3/4	643.27	3/4	798.50	3/4	953.73	3/4	1,108.97	3/4	1,263.93	3/4	1,418.01	3/4	
2	26.08	2	180.80	2	336.04	2	491.27	2	646.50	2	801.73	2	956.96	2	1,112.20	2	1,267.14	2	1,421.22	2	
1/4	29.30	1/4	184.04	1/4	339.27	1/4	494.50	1/4	649.74	1/4	804.97	1/4	960.20	1/4	1,115.43	1/4	1,270.35	1/4	1,424.43	1/4	
1/2	32.52	1/2	187.27	1/2	342.51	1/2	497.74	1/2	652.97	1/2	808.20	1/2	963.43	1/2	1,118.67	1/2	1,273.56	1/2	1,427.64	1/2	
3/4	35.74	3/4	190.51	3/4	345.74	3/4	500.97	3/4	656.21	3/4	811.44	3/4	966.67	3/4	1,121.90	3/4	1,276.77	3/4	1,430.85	3/4	
3	38.96	3	193.74	3	348.97	3	504.20	3	659.44	3	814.67	3	969.90	3	1,125.13	3	1,279.98	3	1,434.06	3	
1/4	42.18	1/4	196.97	1/4	352.21	1/4	507.44	1/4	662.67	1/4	817.90	1/4	973.14	1/4	1,128.37	1/4	1,283.19	1/4	1,437.27	1/4	
1/2	45.40	1/2	200.20	1/2	355.44	1/2	510.67	1/2	665.91	1/2	821.14	1/2	976.37	1/2	1,131.60	1/2	1,286.40	1/2	1,440.48	1/2	
3/4	48.61	3/4	203.43	3/4	358.68	3/4	513.91	3/4	669.14	3/4	824.37	3/4	979.61	3/4	1,134.84	3/4	1,289.61	3/4	1,443.69	3/4	
4	51.83	4	206.66	4	361.91	4	517.14	4	672.37	4	827.60	4	982.84	4	1,138.07	4	1,292.82	4	1,446.90	4	
1/4	55.05	1/4	209.90	1/4	365.14	1/4	520.38	1/4	675.61	1/4	830.84	1/4	986.07	1/4	1,141.30	1/4	1,296.03	1/4	1,450.11	1/4	
1/2	58.27	1/2	213.14	1/2	368.38	1/2	523.61	1/2	678.84	1/2	834.07	1/2	989.31	1/2	1,144.54	1/2	1,299.24	1/2	1,453.32	1/2	
3/4	61.48	3/4	216.37	3/4	371.61	3/4	526.85	3/4	682.08	3/4	837.31	3/4	992.54	3/4	1,147.77	3/4	1,302.45	3/4	1,456.53	3/4	
5	64.70	5	219.61	5	374.84	5	530.08	5	685.31	5	840.54	5	995.77	5	1,151.00	5	1,305.66	5	1,459.74	5	
1/4	67.92	1/4	222.85	1/4	378.08	1/4	533.31	1/4	688.54	1/4	843.78	1/4	999.01	1/4	1,154.24	1/4	1,308.87	1/4	1,462.95	1/4	
1/2	71.14	1/2	226.08	1/2	381.31	1/2	536.55	1/2	691.78	1/2	847.01	1/2	1,002.24	1/2	1,157.47	1/2	1,312.08	1/2	1,466.16	1/2	
3/4	74.35	3/4	229.32	3/4	384.55	3/4	539.78	3/4	695.01	3/4	850.25	3/4	1,005.48	3/4	1,160.71	3/4	1,315.29	3/4	1,469.37	3/4	
6	77.57	6	232.55	6	387.78	6	543.01	6	698.24	6	853.48	6	1,008.71	6	1,163.94	6	1,318.50	6	1,472.58	6	
1/4	80.79	1/4	235.78	1/4	391.02	1/4	546.25	1/4	701.48	1/4	856.71	1/4	1,011.94	1/4	1,167.18	1/4	1,321.71	1/4	1,475.49	1/4	
1/2	84.01	1/2	239.02	1/2	394.25	1/2	549.48	1/2	704.71	1/2	859.95	1/2	1,015.18	1/2	1,170.41	1/2	1,324.92	1/2	1,478.39	1/2	
3/4	87.22	3/4	242.25	3/4	397.49	3/4	552.72	3/4	707.95	3/4	863.18	3/4	1,018.41	3/4	1,173.65	3/4	1,328.13	3/4	1,481.30	3/4	
7	90.44	7	245.48	7	400.72	7	555.95	7	711.18	7	866.41	7	1,021.64	7	1,176.88	7	1,331.34	7	1,484.20	7	
1/4	93.66	1/4	248.72	1/4	403.95	1/4	559.18	1/4	714.42	1/4	869.65	1/4	1,024.88	1/4	1,180.11	1/4	1,334.55	1/4	1,486.49	1/4	
1/2	96.88	1/2	251.95	1/2	407.19	1/2	562.42	1/2	717.65	1/2	872.88	1/2	1,028.11	1/2	1,183.35	1/2	1,337.76	1/2	1,488.78	1/2	
3/4	100.10	3/4	255.19	3/4	410.42	3/4	565.65	3/4	720.89	3/4	876.12	3/4	1,031.35	3/4	1,186.58	3/4	1,340.97	3/4	1,491.06	3/4	
8	103.32	8	258.42	8	413.65	8	568.88	8	724.12	8	879.35	8	1,034.58	8	1,189.81	8	1,344.18	8	1,493.35	8	
1/4	106.54	1/4	261.66	1/4	416.89	1/4	572.12	1/4	727.35	1/4	882.58	1/4	1,037.82	1/4	1,193.05	1/4	1,347.39	1/4	1,495.03	1/4	
1/2	109.76	1/2	264.89	1/2	420.12	1/2	575.35	1/2	730.59	1/2	885.82	1/2	1,041.05	1/2	1,196.28	1/2	1,350.60	1/2	1,496.71	1/2	
3/4	112.97	3/4	268.13	3/4	423.36	3/4	578.59	3/4	733.82	3/4	889.05	3/4	1,044.29	3/4	1,199.52	3/4	1,353.81	3/4	1,498.39	3/4	
9	116.19	9	271.36	9	426.59	9	581.82	9	737.05	9	892.28	9	1,047.52	9	1,202.75	9	1,357.02	9	1,500.07	9	
1/4	119.41	1/4	274.59	1/4	429.82	1/4	585.06	1/4	740.29	1/4	895.52	1/4	1,050.75	1/4	1,205.98	1/4	1,360.23	1/4	1,501.14	1/4	
1/2	122.63	1/2	277.83	1/2	433.06	1/2	588.29	1/2	743.52	1/2	898.75	1/2	1,053.99	1/2	1,209.22	1/2	1,363.44	1/2	1,502.20	1/2	
3/4	125.84	3/4	281.06	3/4	436.29	3/4	591.53	3/4	746.76	3/4	901.99	3/4	1,057.22	3/4	1,212.45	3/4	1,366.65	3/4	1,503.27	3/4	
10	129.06	10	284.29	10	439.52	10	594.76	10	749.99	10	905.22	10	1,060.45	10	1,215.68	10	1,369.86	10	1,504.33	10	
1/4	132.30	1/4	287.53	1/4	442.76	1/4	597.99	1/4	753.22	1/4	908.46	1/4	1,063.69	1/4	1,218.42	1/4	1,373.07	1/4	1,504.78	1/4	
1/2	135.53	1/2	290.76	1/2	445.99	1/2	601.23	1/2	756.46	1/2	911.69	1/2	1,066.92	1/2	1,221.15	1/2	1,376.28	1/2	1,505.24	1/2	
3/4	138.77	3/4	294.00	3/4	449.23	3/4	604.46	3/4	759.69	3/4	914.93	3/4	1,070.16	3/4	1,223.89	3/4	1,379.49	3/4	1,505.69	3/4	
11	142.00	11	297.23	11	452.46	11	607.69	11	762.92	11	918.16	11	1,073.39	11	1,226.62	11	1,382.70	11	1,506.14	11	
1/4	145.23	1/4	300.46	1/4	455.70	1/4	610.93	1/4	766.16	1/4	921.39	1/4	1,076.62	1/4	1,230.33	1/4	1,385.91	1/4	1,506.21	1/4	
1/2	148.47	1/2	303.70	1/2	458.93	1/2	614.16	1/2	769.39	1/2	924.63	1/2	1,079.86	1/2	1,234.04	1/2	1,389.12	1/2		1/2	
3/4	151.70	3/4	306.93	3/4	462.17	3/4	617.40	3/4	772.63	3/4	927.86	3/4	1,083.09	3/4	1,237.75	3/4	1,392.33	3/4		3/4	

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ALL PRIOR TO 08/2014

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



BARGE "304"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-02 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.	IN	10 FT.
0	6.77	0	154.93	0	310.16	0	465.40	0	620.63	0	775.86	0	931.09	0	1,086.32	0	1,241.46	0	1,395.54	0	
1/4	8.78	1/4	158.17	1/4	313.40	1/4	468.63	1/4	623.86	1/4	779.10	1/4	934.33	1/4	1,089.56	1/4	1,244.67	1/4	1,398.75	1/4	
1/2	10.80	1/2	161.40	1/2	316.63	1/2	471.87	1/2	627.10	1/2	782.33	1/2	937.56	1/2	1,092.79	1/2	1,247.88	1/2	1,401.96	1/2	
3/4	12.81	3/4	164.64	3/4	319.87	3/4	475.10	3/4	630.33	3/4	785.57	3/4	940.80	3/4	1,096.03	3/4	1,251.09	3/4	1,405.17	3/4	
1	14.82	1	167.87	1	323.10	1	478.33	1	633.56	1	788.80	1	944.03	1	1,099.26	1	1,254.30	1	1,408.38	1	
1/4	17.64	1/4	171.10	1/4	326.34	1/4	481.57	1/4	636.80	1/4	792.03	1/4	947.26	1/4	1,102.50	1/4	1,257.51	1/4	1,411.59	1/4	
1/2	20.45	1/2	174.34	1/2	329.57	1/2	484.80	1/2	640.03	1/2	795.27	1/2	950.50	1/2	1,105.73	1/2	1,260.72	1/2	1,414.80	1/2	
3/4	23.27	3/4	177.57	3/4	332.81	3/4	488.04	3/4	643.27	3/4	798.50	3/4	953.73	3/4	1,108.97	3/4	1,263.93	3/4	1,418.01	3/4	
2	26.08	2	180.80	2	336.04	2	491.27	2	646.50	2	801.73	2	956.96	2	1,112.20	2	1,267.14	2	1,421.22	2	
1/4	29.30	1/4	184.04	1/4	339.27	1/4	494.50	1/4	649.74	1/4	804.97	1/4	960.20	1/4	1,115.43	1/4	1,270.35	1/4	1,424.43	1/4	
1/2	32.52	1/2	187.27	1/2	342.51	1/2	497.74	1/2	652.97	1/2	808.20	1/2	963.43	1/2	1,118.67	1/2	1,273.56	1/2	1,427.64	1/2	
3/4	35.74	3/4	190.51	3/4	345.74	3/4	500.97	3/4	656.21	3/4	811.44	3/4	966.67	3/4	1,121.90	3/4	1,276.77	3/4	1,430.85	3/4	
3	38.96	3	193.74	3	348.97	3	504.20	3	659.44	3	814.67	3	969.90	3	1,125.13	3	1,279.98	3	1,434.06	3	
1/4	42.18	1/4	196.97	1/4	352.21	1/4	507.44	1/4	662.67	1/4	817.90	1/4	973.14	1/4	1,128.37	1/4	1,283.19	1/4	1,437.27	1/4	
1/2	45.40	1/2	200.20	1/2	355.44	1/2	510.67	1/2	665.91	1/2	821.14	1/2	976.37	1/2	1,131.60	1/2	1,286.40	1/2	1,440.48	1/2	
3/4	48.61	3/4	203.43	3/4	358.68	3/4	513.91	3/4	669.14	3/4	824.37	3/4	979.61	3/4	1,134.84	3/4	1,289.61	3/4	1,443.69	3/4	
4	51.83	4	206.66	4	361.91	4	517.14	4	672.37	4	827.60	4	982.84	4	1,138.07	4	1,292.82	4	1,446.90	4	
1/4	55.05	1/4	209.90	1/4	365.14	1/4	520.38	1/4	675.61	1/4	830.84	1/4	986.07	1/4	1,141.30	1/4	1,296.03	1/4	1,450.11	1/4	
1/2	58.27	1/2	213.14	1/2	368.38	1/2	523.61	1/2	678.84	1/2	834.07	1/2	989.31	1/2	1,144.54	1/2	1,299.24	1/2	1,453.32	1/2	
3/4	61.48	3/4	216.37	3/4	371.61	3/4	526.85	3/4	682.08	3/4	837.31	3/4	992.54	3/4	1,147.77	3/4	1,302.45	3/4	1,456.53	3/4	
5	64.70	5	219.61	5	374.84	5	530.08	5	685.31	5	840.54	5	995.77	5	1,151.00	5	1,305.66	5	1,459.74	5	
1/4	67.92	1/4	222.85	1/4	378.08	1/4	533.31	1/4	688.54	1/4	843.78	1/4	999.01	1/4	1,154.24	1/4	1,308.87	1/4	1,462.95	1/4	
1/2	71.14	1/2	226.08	1/2	381.31	1/2	536.55	1/2	691.78	1/2	847.01	1/2	1,002.24	1/2	1,157.47	1/2	1,312.08	1/2	1,466.16	1/2	
3/4	74.35	3/4	229.32	3/4	384.55	3/4	539.78	3/4	695.01	3/4	850.25	3/4	1,005.48	3/4	1,160.71	3/4	1,315.29	3/4	1,469.37	3/4	
6	77.57	6	232.55	6	387.78	6	543.01	6	698.24	6	853.48	6	1,008.71	6	1,163.94	6	1,318.50	6	1,472.58	6	
1/4	80.79	1/4	235.78	1/4	391.02	1/4	546.25	1/4	701.48	1/4	856.71	1/4	1,011.94	1/4	1,167.18	1/4	1,321.71	1/4	1,475.49	1/4	
1/2	84.01	1/2	239.02	1/2	394.25	1/2	549.48	1/2	704.71	1/2	859.95	1/2	1,015.18	1/2	1,170.41	1/2	1,324.92	1/2	1,478.39	1/2	
3/4	87.22	3/4	242.25	3/4	397.49	3/4	552.72	3/4	707.95	3/4	863.18	3/4	1,018.41	3/4	1,173.65	3/4	1,328.13	3/4	1,481.30	3/4	
7	90.44	7	245.48	7	400.72	7	555.95	7	711.18	7	866.41	7	1,021.64	7	1,176.88	7	1,331.34	7	1,484.20	7	
1/4	93.66	1/4	248.72	1/4	403.95	1/4	559.18	1/4	714.42	1/4	869.65	1/4	1,024.88	1/4	1,180.11	1/4	1,334.55	1/4	1,486.49	1/4	
1/2	96.88	1/2	251.95	1/2	407.19	1/2	562.42	1/2	717.65	1/2	872.88	1/2	1,028.11	1/2	1,183.35	1/2	1,337.76	1/2	1,488.78	1/2	
3/4	100.10	3/4	255.19	3/4	410.42	3/4	565.65	3/4	720.89	3/4	876.12	3/4	1,031.35	3/4	1,186.58	3/4	1,340.97	3/4	1,491.06	3/4	
8	103.32	8	258.42	8	413.65	8	568.88	8	724.12	8	879.35	8	1,034.58	8	1,189.81	8	1,344.18	8	1,493.35	8	
1/4	106.54	1/4	261.66	1/4	416.89	1/4	572.12	1/4	727.35	1/4	882.58	1/4	1,037.82	1/4	1,193.05	1/4	1,347.39	1/4	1,495.03	1/4	
1/2	109.76	1/2	264.89	1/2	420.12	1/2	575.35	1/2	730.59	1/2	885.82	1/2	1,041.05	1/2	1,196.28	1/2	1,350.60	1/2	1,496.71	1/2	
3/4	112.97	3/4	268.13	3/4	423.36	3/4	578.59	3/4	733.82	3/4	889.05	3/4	1,044.29	3/4	1,199.52	3/4	1,353.81	3/4	1,498.39	3/4	
9	116.19	9	271.36	9	426.59	9	581.82	9	737.05	9	892.28	9	1,047.52	9	1,202.75	9	1,357.02	9	1,500.07	9	
1/4	119.41	1/4	274.59	1/4	429.82	1/4	585.06	1/4	740.29	1/4	895.52	1/4	1,050.75	1/4	1,205.98	1/4	1,360.23	1/4	1,501.14	1/4	
1/2	122.63	1/2	277.83	1/2	433.06	1/2	588.29	1/2	743.52	1/2	898.75	1/2	1,053.99	1/2	1,209.22	1/2	1,363.44	1/2	1,502.20	1/2	
3/4	125.84	3/4	281.06	3/4	436.29	3/4	591.53	3/4	746.76	3/4	901.99	3/4	1,057.22	3/4	1,212.45	3/4	1,366.65	3/4	1,503.27	3/4	
10	129.06	10	284.29	10	439.52	10	594.76	10	749.99	10	905.22	10	1,060.45	10	1,215.68	10	1,369.86	10	1,504.33	10	
1/4	132.30	1/4	287.53	1/4	442.76	1/4	597.99	1/4	753.22	1/4	908.46	1/4	1,063.69	1/4	1,218.42	1/4	1,373.07	1/4	1,504.78	1/4	
1/2	135.53	1/2	290.76	1/2	445.99	1/2	601.23	1/2	756.46	1/2	911.69	1/2	1,066.92	1/2	1,221.15	1/2	1,376.28	1/2	1,505.24	1/2	
3/4	138.77	3/4	294.00	3/4	449.23	3/4	604.46	3/4	759.69	3/4	914.93	3/4	1,070.16	3/4	1,223.89	3/4	1,379.49	3/4	1,505.69	3/4	
11	142.00	11	297.23	11	452.46	11	607.69	11	762.92	11	918.16	11	1,073.39	11	1,226.62	11	1,382.70	11	1,506.14	11	
1/4	145.23	1/4	300.46	1/4	455.70	1/4	610.93	1/4	766.16	1/4	921.39	1/4	1,076.62	1/4	1,230.33	1/4	1,385.91	1/4	1,506.21	1/4	
1/2	148.47	1/2	303.70	1/2	458.93	1/2	614.16	1/2	769.39	1/2	924.63	1/2	1,079.86	1/2	1,234.04	1/2	1,389.12	1/2		1/2	
3/4	151.70	3/4	306.93	3/4	462.17	3/4	617.40	3/4	772.63	3/4	927.86	3/4	1,083.09	3/4	1,237.75	3/4	1,392.33	3/4		3/4	

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PRINTED: 08/6/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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



BARGE "304"

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-02 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.	IN	10 FT.
0	0.68	0	154.86	0	309.13	0	463.40	0	617.68	0	771.95	0	926.22	0	1,080.49	0	1,234.76	0	1,388.93	0	
1/4	4.22	1/4	158.08	1/4	312.35	1/4	466.61	1/4	620.89	1/4	775.16	1/4	929.43	1/4	1,083.71	1/4	1,237.97	1/4	1,392.14	1/4	
1/2	7.76	1/2	161.29	1/2	315.56	1/2	469.83	1/2	624.10	1/2	778.37	1/2	932.65	1/2	1,086.92	1/2	1,241.18	1/2	1,395.36	1/2	
3/4	11.30	3/4	164.51	3/4	318.78	3/4	473.04	3/4	627.32	3/4	781.59	3/4	935.87	3/4	1,090.14	3/4	1,244.39	3/4	1,398.57	3/4	
1	14.84	1	167.72	1	321.99	1	476.26	1	630.53	1	784.80	1	939.08	1	1,093.35	1	1,247.60	1	1,401.78	1	
1/4	17.66	1/4	170.93	1/4	325.20	1/4	479.47	1/4	633.74	1/4	788.01	1/4	942.29	1/4	1,096.56	1/4	1,250.81	1/4	1,404.99	1/4	
1/2	20.48	1/2	174.15	1/2	328.42	1/2	482.69	1/2	636.96	1/2	791.23	1/2	945.51	1/2	1,099.78	1/2	1,254.03	1/2	1,408.21	1/2	
3/4	23.29	3/4	177.36	3/4	331.63	3/4	485.90	3/4	640.17	3/4	794.44	3/4	948.72	3/4	1,102.99	3/4	1,257.24	3/4	1,411.42	3/4	
2	26.11	2	180.57	2	334.84	2	489.12	2	643.39	2	797.66	2	951.93	2	1,106.20	2	1,260.45	2	1,414.63	2	
1/4	29.33	1/4	183.79	1/4	338.06	1/4	492.33	1/4	646.60	1/4	800.87	1/4	955.15	1/4	1,109.41	1/4	1,263.66	1/4	1,417.84	1/4	
1/2	32.55	1/2	187.00	1/2	341.27	1/2	495.54	1/2	649.81	1/2	804.09	1/2	958.36	1/2	1,112.63	1/2	1,266.88	1/2	1,421.06	1/2	
3/4	35.77	3/4	190.22	3/4	344.49	3/4	498.76	3/4	653.03	3/4	807.30	3/4	961.58	3/4	1,115.84	3/4	1,270.09	3/4	1,424.27	3/4	
3	38.99	3	193.43	3	347.70	3	501.97	3	656.24	3	810.52	3	964.79	3	1,119.05	3	1,273.30	3	1,427.48	3	
1/4	42.21	1/4	196.64	1/4	350.91	1/4	505.18	1/4	659.45	1/4	813.73	1/4	968.00	1/4	1,122.27	1/4	1,276.51	1/4	1,430.69	1/4	
1/2	45.43	1/2	199.86	1/2	354.13	1/2	508.40	1/2	662.67	1/2	816.94	1/2	971.22	1/2	1,125.49	1/2	1,279.73	1/2	1,433.90	1/2	
3/4	48.65	3/4	203.07	3/4	357.34	3/4	511.61	3/4	665.88	3/4	820.16	3/4	974.43	3/4	1,128.70	3/4	1,282.94	3/4	1,437.11	3/4	
4	51.87	4	206.28	4	360.56	4	514.83	4	669.10	4	823.37	4	977.64	4	1,131.92	4	1,286.15	4	1,440.32	4	
1/4	55.09	1/4	209.50	1/4	363.77	1/4	518.04	1/4	672.31	1/4	826.58	1/4	980.86	1/4	1,135.13	1/4	1,289.36	1/4	1,443.53	1/4	
1/2	58.31	1/2	212.71	1/2	366.98	1/2	521.25	1/2	675.53	1/2	829.80	1/2	984.07	1/2	1,138.35	1/2	1,292.58	1/2	1,446.75	1/2	
3/4	61.53	3/4	215.93	3/4	370.20	3/4	524.47	3/4	678.74	3/4	833.01	3/4	987.29	3/4	1,141.56	3/4	1,295.79	3/4	1,449.96	3/4	
5	64.75	5	219.14	5	373.41	5	527.68	5	681.96	5	836.27	5	990.50	5	1,144.77	5	1,299.00	5	1,453.17	5	
1/4	67.97	1/4	222.36	1/4	376.62	1/4	530.89	1/4	685.17	1/4	839.44	1/4	993.72	1/4	1,147.99	1/4	1,302.21	1/4	1,456.38	1/4	
1/2	71.19	1/2	225.57	1/2	379.84	1/2	534.11	1/2	688.38	1/2	842.65	1/2	996.93	1/2	1,151.20	1/2	1,305.42	1/2	1,459.60	1/2	
3/4	74.41	3/4	228.79	3/4	383.05	3/4	537.32	3/4	691.60	3/4	845.87	3/4	1,000.15	3/4	1,154.42	3/4	1,308.63	3/4	1,462.81	3/4	
6	77.63	6	232.00	6	386.27	6	540.54	6	694.81	6	849.08	6	1,003.36	6	1,157.63	6	1,311.84	6	1,466.02	6	
1/4	80.85	1/4	235.21	1/4	389.48	1/4	543.75	1/4	698.02	1/4	852.29	1/4	1,006.57	1/4	1,160.84	1/4	1,315.05	1/4	1,468.93	1/4	
1/2	84.07	1/2	238.43	1/2	392.69	1/2	546.97	1/2	701.24	1/2	855.51	1/2	1,009.79	1/2	1,164.06	1/2	1,318.27	1/2	1,471.84	1/2	
3/4	87.29	3/4	241.64	3/4	395.91	3/4	550.18	3/4	704.45	3/4	858.72	3/4	1,013.00	3/4	1,167.27	3/4	1,321.48	3/4	1,474.74	3/4	
7	90.51	7	244.85	7	399.12	7	553.40	7	707.67	7	861.94	7	1,016.21	7	1,170.48	7	1,324.69	7	1,477.65	7	
1/4	93.73	1/4	248.07	1/4	402.33	1/4	556.61	1/4	710.88	1/4	865.15	1/4	1,019.43	1/4	1,173.70	1/4	1,327.90	1/4	1,479.94	1/4	
1/2	96.95	1/2	251.28	1/2	405.55	1/2	559.82	1/2	714.09	1/2	868.37	1/2	1,022.64	1/2	1,176.91	1/2	1,331.12	1/2	1,482.24	1/2	
3/4	100.17	3/4	254.50	3/4	408.76	3/4	563.04	3/4	717.31	3/4	871.58	3/4	1,025.86	3/4	1,180.13	3/4	1,334.33	3/4	1,484.53	3/4	
8	103.39	8	257.71	8	411.98	8	566.25	8	720.52	8	874.80	8	1,029.07	8	1,183.34	8	1,337.54	8	1,486.82	8	
1/4	106.61	1/4	260.92	1/4	415.19	1/4	569.46	1/4	723.73	1/4	878.01	1/4	1,032.28	1/4	1,186.56	1/4	1,340.75	1/4	1,488.50	1/4	
1/2	109.83	1/2	264.14	1/2	418.41	1/2	572.68	1/2	726.95	1/2	881.22	1/2	1,035.50	1/2	1,189.77	1/2	1,343.97	1/2	1,490.18	1/2	
3/4	113.05	3/4	267.35	3/4	421.62	3/4	575.89	3/4	730.16	3/4	884.44	3/4	1,038.71	3/4	1,192.99	3/4	1,347.18	3/4	1,491.86	3/4	
9	116.27	9	270.56	9	424.84	9	579.11	9	733.38	9	887.65	9	1,041.92	9	1,196.20	9	1,350.39	9	1,493.54	9	
1/4	119.49	1/4	273.78	1/4	428.05	1/4	582.32	1/4	736.59	1/4	890.86	1/4	1,045.14	1/4	1,199.41	1/4	1,353.60	1/4	1,494.61	1/4	
1/2	122.71	1/2	276.99	1/2	431.26	1/2	585.53	1/2	739.81	1/2	894.08	1/2	1,048.35	1/2	1,202.63	1/2	1,356.82	1/2	1,495.67	1/2	
3/4	125.93	3/4	280.21	3/4	434.48	3/4	588.75	3/4	743.02	3/4	897.29	3/4	1,051.57	3/4	1,205.84	3/4	1,360.03	3/4	1,496.74	3/4	
10	129.15	10	283.42	10	437.69	10	591.96	10	746.24	10	900.51	10	1,054.78	10	1,209.05	10	1,363.24	10	1,497.80	10	
1/4	132.36	1/4	286.64	1/4	440.90	1/4	595.17	1/4	749.45	1/4	903.72	1/4	1,058.00	1/4	1,212.27	1/4	1,366.45	1/4	1,498.25	1/4	
1/2	135.58	1/2	289.85	1/2	444.12	1/2	598.39	1/2	752.66	1/2	906.93	1/2	1,061.21	1/2	1,215.48	1/2	1,369.66	1/2	1,498.71	1/2	
3/4	138.79	3/4	293.07	3/4	447.33	3/4	601.60	3/4	755.88	3/4	910.15	3/4	1,064.43	3/4	1,218.70	3/4	1,372.87	3/4	1,499.16	3/4	
11	142.00	11	296.28	11	450.55	11	604.82	11	759.09	11	913.36	11	1,067.64	11	1,221.91	11	1,376.08	11	1,499.61	11	
1/4	145.22	1/4	299.49	1/4	453.76	1/4	608.03	1/4	762.30	1/4	916.57	1/4	1,070.85	1/4	1,225.12	1/4	1,379.29	1/4	1,499.68	1/4	
1/2	148.43	1/2	302.71	1/2	456.97	1/2	611.25	1/2	765.52	1/2	919.79	1/2	1,074.07	1/2	1,228.34	1/2	1,382.51	1/2		1/2	
3/4	151.65	3/4	305.92	3/4	460.19	3/4	614.46	3/4	768.73	3/4	923.00	3/4	1,077.28	3/4	1,231.55	3/4	1,385.72	3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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





BARGE "304"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-03"

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.	IN	10 FT.
0	0.68	0	154.86	0	309.13	0	463.40	0	617.68	0	771.95	0	926.22	0	1,080.49	0	1,234.76	0	1,388.93	0	
1/4	4.22	1/4	158.08	1/4	312.35	1/4	466.61	1/4	620.89	1/4	775.16	1/4	929.43	1/4	1,083.71	1/4	1,237.97	1/4	1,392.14	1/4	
1/2	7.76	1/2	161.29	1/2	315.56	1/2	469.83	1/2	624.10	1/2	778.37	1/2	932.65	1/2	1,086.92	1/2	1,241.18	1/2	1,395.36	1/2	
3/4	11.30	3/4	164.51	3/4	318.78	3/4	473.04	3/4	627.32	3/4	781.59	3/4	935.87	3/4	1,090.14	3/4	1,244.39	3/4	1,398.57	3/4	
1	14.84	1	167.72	1	321.99	1	476.26	1	630.53	1	784.80	1	939.08	1	1,093.35	1	1,247.60	1	1,401.78	1	
1/4	17.66	1/4	170.93	1/4	325.20	1/4	479.47	1/4	633.74	1/4	788.01	1/4	942.29	1/4	1,096.56	1/4	1,250.81	1/4	1,404.99	1/4	
1/2	20.48	1/2	174.15	1/2	328.42	1/2	482.69	1/2	636.96	1/2	791.23	1/2	945.51	1/2	1,099.78	1/2	1,254.03	1/2	1,408.21	1/2	
3/4	23.29	3/4	177.36	3/4	331.63	3/4	485.90	3/4	640.17	3/4	794.44	3/4	948.72	3/4	1,102.99	3/4	1,257.24	3/4	1,411.42	3/4	
2	26.11	2	180.57	2	334.84	2	489.12	2	643.39	2	797.66	2	951.93	2	1,106.20	2	1,260.45	2	1,414.63	2	
1/4	29.33	1/4	183.79	1/4	338.06	1/4	492.33	1/4	646.60	1/4	800.87	1/4	955.15	1/4	1,109.41	1/4	1,263.66	1/4	1,417.84	1/4	
1/2	32.55	1/2	187.00	1/2	341.27	1/2	495.54	1/2	649.81	1/2	804.09	1/2	958.36	1/2	1,112.63	1/2	1,266.88	1/2	1,421.06	1/2	
3/4	35.77	3/4	190.22	3/4	344.49	3/4	498.76	3/4	653.03	3/4	807.30	3/4	961.58	3/4	1,115.84	3/4	1,270.09	3/4	1,424.27	3/4	
3	38.99	3	193.43	3	347.70	3	501.97	3	656.24	3	810.52	3	964.79	3	1,119.05	3	1,273.30	3	1,427.48	3	
1/4	42.21	1/4	196.64	1/4	350.91	1/4	505.18	1/4	659.45	1/4	813.73	1/4	968.00	1/4	1,122.27	1/4	1,276.51	1/4	1,430.69	1/4	
1/2	45.43	1/2	199.86	1/2	354.13	1/2	508.40	1/2	662.67	1/2	816.94	1/2	971.22	1/2	1,125.49	1/2	1,279.73	1/2	1,433.90	1/2	
3/4	48.65	3/4	203.07	3/4	357.34	3/4	511.61	3/4	665.88	3/4	820.16	3/4	974.43	3/4	1,128.70	3/4	1,282.94	3/4	1,437.11	3/4	
4	51.87	4	206.28	4	360.56	4	514.83	4	669.10	4	823.37	4	977.64	4	1,131.92	4	1,286.15	4	1,440.32	4	
1/4	55.09	1/4	209.50	1/4	363.77	1/4	518.04	1/4	672.31	1/4	826.58	1/4	980.86	1/4	1,135.13	1/4	1,289.36	1/4	1,443.53	1/4	
1/2	58.31	1/2	212.71	1/2	366.98	1/2	521.25	1/2	675.53	1/2	829.80	1/2	984.07	1/2	1,138.35	1/2	1,292.58	1/2	1,446.75	1/2	
3/4	61.53	3/4	215.93	3/4	370.20	3/4	524.47	3/4	678.74	3/4	833.01	3/4	987.29	3/4	1,141.56	3/4	1,295.79	3/4	1,449.96	3/4	
5	64.75	5	219.14	5	373.41	5	527.68	5	681.96	5	836.23	5	990.50	5	1,144.77	5	1,299.00	5	1,453.17	5	
1/4	67.97	1/4	222.36	1/4	376.62	1/4	530.89	1/4	685.17	1/4	839.44	1/4	993.72	1/4	1,147.99	1/4	1,302.21	1/4	1,456.38	1/4	
1/2	71.19	1/2	225.57	1/2	379.84	1/2	534.11	1/2	688.38	1/2	842.65	1/2	996.93	1/2	1,151.20	1/2	1,305.42	1/2	1,459.60	1/2	
3/4	74.41	3/4	228.79	3/4	383.05	3/4	537.32	3/4	691.60	3/4	845.87	3/4	1,000.15	3/4	1,154.42	3/4	1,308.63	3/4	1,462.81	3/4	
6	77.63	6	232.00	6	386.27	6	540.54	6	694.81	6	849.08	6	1,003.36	6	1,157.63	6	1,311.84	6	1,466.02	6	
1/4	80.85	1/4	235.21	1/4	389.48	1/4	543.75	1/4	698.02	1/4	852.29	1/4	1,006.57	1/4	1,160.84	1/4	1,315.05	1/4	1,468.93	1/4	
1/2	84.07	1/2	238.43	1/2	392.69	1/2	546.97	1/2	701.24	1/2	855.51	1/2	1,009.79	1/2	1,164.06	1/2	1,318.27	1/2	1,471.84	1/2	
3/4	87.29	3/4	241.64	3/4	395.91	3/4	550.18	3/4	704.45	3/4	858.72	3/4	1,013.00	3/4	1,167.27	3/4	1,321.48	3/4	1,474.74	3/4	
7	90.51	7	244.85	7	399.12	7	553.40	7	707.67	7	861.94	7	1,016.21	7	1,170.48	7	1,324.69	7	1,477.65	7	
1/4	93.73	1/4	248.07	1/4	402.33	1/4	556.61	1/4	710.88	1/4	865.15	1/4	1,019.43	1/4	1,173.70	1/4	1,327.90	1/4	1,479.94	1/4	
1/2	96.95	1/2	251.28	1/2	405.55	1/2	559.82	1/2	714.09	1/2	868.37	1/2	1,022.64	1/2	1,176.91	1/2	1,331.12	1/2	1,482.24	1/2	
3/4	100.17	3/4	254.50	3/4	408.76	3/4	563.04	3/4	717.31	3/4	871.58	3/4	1,025.86	3/4	1,180.13	3/4	1,334.33	3/4	1,484.53	3/4	
8	103.39	8	257.71	8	411.98	8	566.25	8	720.52	8	874.80	8	1,029.07	8	1,183.34	8	1,337.54	8	1,486.82	8	
1/4	106.61	1/4	260.92	1/4	415.19	1/4	569.46	1/4	723.73	1/4	878.01	1/4	1,032.28	1/4	1,186.56	1/4	1,340.75	1/4	1,488.50	1/4	
1/2	109.83	1/2	264.14	1/2	418.41	1/2	572.68	1/2	726.95	1/2	881.22	1/2	1,035.50	1/2	1,189.77	1/2	1,343.97	1/2	1,490.18	1/2	
3/4	113.05	3/4	267.35	3/4	421.62	3/4	575.89	3/4	730.16	3/4	884.44	3/4	1,038.71	3/4	1,192.99	3/4	1,347.18	3/4	1,491.86	3/4	
9	116.27	9	270.56	9	424.84	9	579.11	9	733.38	9	887.65	9	1,041.92	9	1,196.20	9	1,350.39	9	1,493.54	9	
1/4	119.49	1/4	273.78	1/4	428.05	1/4	582.32	1/4	736.59	1/4	890.86	1/4	1,045.14	1/4	1,199.41	1/4	1,353.60	1/4	1,494.61	1/4	
1/2	122.71	1/2	276.99	1/2	431.26	1/2	585.53	1/2	739.81	1/2	894.08	1/2	1,048.35	1/2	1,202.63	1/2	1,356.82	1/2	1,495.67	1/2	
3/4	125.93	3/4	280.21	3/4	434.48	3/4	588.75	3/4	743.02	3/4	897.29	3/4	1,051.57	3/4	1,205.84	3/4	1,360.03	3/4	1,496.74	3/4	
10	129.15	10	283.42	10	437.69	10	591.96	10	746.24	10	900.51	10	1,054.78	10	1,209.05	10	1,363.24	10	1,497.80	10	
1/4	132.36	1/4	286.64	1/4	440.90	1/4	595.17	1/4	749.45	1/4	903.72	1/4	1,058.00	1/4	1,212.27	1/4	1,366.45	1/4	1,498.25	1/4	
1/2	135.58	1/2	289.85	1/2	444.12	1/2	598.39	1/2	752.66	1/2	906.93	1/2	1,061.21	1/2	1,215.48	1/2	1,369.66	1/2	1,498.71	1/2	
3/4	138.79	3/4	293.07	3/4	447.33	3/4	601.60	3/4	755.88	3/4	910.15	3/4	1,064.43	3/4	1,218.70	3/4	1,372.87	3/4	1,499.16	3/4	
11	142.00	11	296.28	11	450.55	11	604.82	11	759.09	11	913.36	11	1,067.64	11	1,221.91	11	1,376.08	11	1,499.61	11	
1/4	145.22	1/4	299.49	1/4	453.76	1/4	608.03	1/4	762.30	1/4	916.57	1/4	1,070.85	1/4	1,225.12	1/4	1,379.29	1/4	1,499.68	1/4	
1/2	148.43	1/2	302.71	1/2	456.97	1/2	611.25	1/2	765.52	1/2	919.79	1/2	1,074.07	1/2	1,228.34	1/2	1,382.51	1/2		1/2	
3/4	151.65	3/4	305.92	3/4	460.19	3/4	614.46	3/4	768.73	3/4	923.00	3/4	1,077.28	3/4	1,231.55	3/4	1,385.72	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 19'-06" FORWARD OF AFT BULKHEAD

STRAPPED: 08/6/2014 SW
CALCULATED: 08/6/2014 SW
PRINTED: 08/6/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

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BARGE "304"

4 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	6.77	0	154.71	0	309.08	0	463.44	0	617.81	0	772.18	0	926.55	0	1,080.92	0	1,235.33	0	1,390.28	0	
1/4	8.78	1/4	157.93	1/4	312.30	1/4	466.66	1/4	621.03	1/4	775.39	1/4	929.76	1/4	1,084.14	1/4	1,238.56	1/4	1,393.51	1/4	
1/2	10.79	1/2	161.14	1/2	315.51	1/2	469.87	1/2	624.24	1/2	778.61	1/2	932.98	1/2	1,087.35	1/2	1,241.79	1/2	1,396.74	1/2	
3/4	12.80	3/4	164.36	3/4	318.73	3/4	473.09	3/4	627.46	3/4	781.82	3/4	936.19	3/4	1,090.57	3/4	1,245.01	3/4	1,399.96	3/4	
1	14.81	1	167.57	1	321.94	1	476.31	1	630.68	1	785.04	1	939.41	1	1,093.78	1	1,248.24	1	1,403.19	1	
1/4	17.63	1/4	170.79	1/4	325.16	1/4	479.52	1/4	633.89	1/4	788.26	1/4	942.63	1/4	1,097.00	1/4	1,251.47	1/4	1,406.42	1/4	
1/2	20.44	1/2	174.01	1/2	328.37	1/2	482.74	1/2	637.11	1/2	791.47	1/2	945.84	1/2	1,100.21	1/2	1,254.70	1/2	1,409.65	1/2	
3/4	23.26	3/4	177.22	3/4	331.59	3/4	485.95	3/4	640.32	3/4	794.69	3/4	949.06	3/4	1,103.43	3/4	1,257.93	3/4	1,412.87	3/4	
2	26.07	2	180.44	2	334.80	2	489.17	2	643.54	2	797.91	2	952.28	2	1,106.64	2	1,261.16	2	1,416.10	2	
1/4	29.29	1/4	183.66	1/4	338.02	1/4	492.39	1/4	646.75	1/4	801.12	1/4	955.49	1/4	1,109.86	1/4	1,264.39	1/4	1,419.33	1/4	
1/2	32.50	1/2	186.87	1/2	341.24	1/2	495.60	1/2	649.97	1/2	804.34	1/2	958.71	1/2	1,113.08	1/2	1,267.62	1/2	1,422.56	1/2	
3/4	35.72	3/4	190.09	3/4	344.45	3/4	498.82	3/4	653.18	3/4	807.55	3/4	961.92	3/4	1,116.29	3/4	1,270.84	3/4	1,425.78	3/4	
3	38.93	3	193.30	3	347.67	3	502.04	3	656.40	3	810.77	3	965.14	3	1,119.51	3	1,274.07	3	1,429.01	3	
1/4	42.15	1/4	196.52	1/4	350.88	1/4	505.25	1/4	659.62	1/4	813.99	1/4	968.35	1/4	1,122.73	1/4	1,277.30	1/4	1,432.24	1/4	
1/2	45.37	1/2	199.73	1/2	354.10	1/2	508.47	1/2	662.83	1/2	817.20	1/2	971.57	1/2	1,125.94	1/2	1,280.53	1/2	1,435.47	1/2	
3/4	48.58	3/4	202.95	3/4	357.31	3/4	511.68	3/4	666.05	3/4	820.42	3/4	974.78	3/4	1,129.16	3/4	1,283.75	3/4	1,438.69	3/4	
4	51.80	4	206.16	4	360.53	4	514.90	4	669.27	4	823.64	4	978.00	4	1,132.37	4	1,286.98	4	1,441.92	4	
1/4	54.99	1/4	209.38	1/4	363.75	1/4	518.11	1/4	672.48	1/4	826.85	1/4	981.22	1/4	1,135.59	1/4	1,290.21	1/4	1,445.15	1/4	
1/2	58.18	1/2	212.60	1/2	366.96	1/2	521.33	1/2	675.70	1/2	830.07	1/2	984.43	1/2	1,138.81	1/2	1,293.44	1/2	1,448.38	1/2	
3/4	61.36	3/4	215.81	3/4	370.18	3/4	524.54	3/4	678.91	3/4	833.28	3/4	987.65	3/4	1,142.02	3/4	1,296.66	3/4	1,451.61	3/4	
5	64.55	5	219.03	5	373.40	5	527.76	5	682.13	5	836.50	5	990.87	5	1,145.24	5	1,299.89	5	1,454.84	5	
1/4	67.79	1/4	222.25	1/4	376.61	1/4	530.98	1/4	685.35	1/4	839.71	1/4	994.08	1/4	1,148.46	1/4	1,303.12	1/4	1,458.07	1/4	
1/2	71.04	1/2	225.46	1/2	379.83	1/2	534.19	1/2	688.56	1/2	842.93	1/2	997.30	1/2	1,151.67	1/2	1,306.35	1/2	1,461.30	1/2	
3/4	74.28	3/4	228.68	3/4	383.04	3/4	537.41	3/4	691.78	3/4	846.14	3/4	1,000.52	3/4	1,154.89	3/4	1,309.57	3/4	1,464.52	3/4	
6	77.52	6	231.89	6	386.26	6	540.63	6	695.00	6	849.36	6	1,003.73	6	1,158.10	6	1,312.80	6	1,467.75	6	
1/4	80.74	1/4	235.11	1/4	389.47	1/4	543.84	1/4	698.21	1/4	852.58	1/4	1,006.95	1/4	1,161.32	1/4	1,316.03	1/4	1,470.66	1/4	
1/2	83.96	1/2	238.33	1/2	392.69	1/2	547.06	1/2	701.43	1/2	855.79	1/2	1,010.17	1/2	1,164.53	1/2	1,319.26	1/2	1,473.57	1/2	
3/4	87.17	3/4	241.54	3/4	395.90	3/4	550.27	3/4	704.64	3/4	859.01	3/4	1,013.38	3/4	1,167.75	3/4	1,322.49	3/4	1,476.47	3/4	
7	90.39	7	244.76	7	399.12	7	553.49	7	707.86	7	862.23	7	1,016.60	7	1,170.96	7	1,325.72	7	1,479.38	7	
1/4	93.61	1/4	247.98	1/4	402.34	1/4	556.71	1/4	711.07	1/4	865.44	1/4	1,019.82	1/4	1,174.18	1/4	1,328.95	1/4	1,481.66	1/4	
1/2	96.82	1/2	251.19	1/2	405.55	1/2	559.92	1/2	714.29	1/2	868.66	1/2	1,023.04	1/2	1,177.40	1/2	1,332.18	1/2	1,483.95	1/2	
3/4	100.04	3/4	254.41	3/4	408.77	3/4	563.14	3/4	717.50	3/4	871.87	3/4	1,026.26	3/4	1,180.61	3/4	1,335.40	3/4	1,486.23	3/4	
8	103.25	8	257.62	8	411.99	8	566.36	8	720.72	8	875.09	8	1,029.48	8	1,183.83	8	1,338.63	8	1,488.51	8	
1/4	106.47	1/4	260.84	1/4	415.20	1/4	569.57	1/4	723.94	1/4	878.31	1/4	1,032.69	1/4	1,187.05	1/4	1,341.86	1/4	1,490.19	1/4	
1/2	109.69	1/2	264.05	1/2	418.42	1/2	572.79	1/2	727.15	1/2	881.52	1/2	1,035.90	1/2	1,190.26	1/2	1,345.09	1/2	1,491.86	1/2	
3/4	112.90	3/4	267.27	3/4	421.63	3/4	576.00	3/4	730.37	3/4	884.74	3/4	1,039.11	3/4	1,193.48	3/4	1,348.31	3/4	1,493.54	3/4	
9	116.12	9	270.48	9	424.85	9	579.22	9	733.59	9	887.96	9	1,042.32	9	1,196.69	9	1,351.54	9	1,495.21	9	
1/4	119.34	1/4	273.70	1/4	428.07	1/4	582.43	1/4	736.80	1/4	891.17	1/4	1,045.54	1/4	1,199.91	1/4	1,354.77	1/4	1,496.28	1/4	
1/2	122.55	1/2	276.92	1/2	431.28	1/2	585.65	1/2	740.02	1/2	894.39	1/2	1,048.76	1/2	1,203.14	1/2	1,358.00	1/2	1,497.35	1/2	
3/4	125.77	3/4	280.13	3/4	434.50	3/4	588.86	3/4	743.23	3/4	897.60	3/4	1,051.97	3/4	1,206.36	3/4	1,361.22	3/4	1,498.41	3/4	
10	128.98	10	283.35	10	437.72	10	592.08	10	746.45	10	900.82	10	1,055.19	10	1,209.58	10	1,364.45	10	1,499.48	10	
1/4	132.20	1/4	286.57	1/4	440.93	1/4	595.30	1/4	749.67	1/4	904.03	1/4	1,058.41	1/4	1,212.79	1/4	1,367.68	1/4	1,499.93	1/4	
1/2	135.41	1/2	289.78	1/2	444.15	1/2	598.51	1/2	752.88	1/2	907.25	1/2	1,061.62	1/2	1,216.00	1/2	1,370.91	1/2	1,500.38	1/2	
3/4	138.63	3/4	293.00	3/4	447.36	3/4	601.73	3/4	756.10	3/4	910.46	3/4	1,064.84	3/4	1,219.21	3/4	1,374.13	3/4	1,500.83	3/4	
11	141.84	11	296.21	11	450.58	11	604.95	11	759.32	11	913.68	11	1,068.05	11	1,222.42	11	1,377.36	11	1,501.28	11	
1/4	145.06	1/4	299.43	1/4	453.79	1/4	608.16	1/4	762.53	1/4	916.90	1/4	1,071.22	1/4	1,225.65	1/4	1,380.59	1/4	1,501.35	1/4	
1/2	148.28	1/2	302.65	1/2	457.01	1/2	611.38	1/2	765.75	1/2	920.11	1/2	1,074.49	1/2	1,228.88	1/2	1,383.82	1/2		1/2	
3/4	151.49	3/4	305.86	3/4	460.22	3/4	614.59	3/4	768.96	3/4	923.33	3/4	1,077.70	3/4	1,232.10	3/4	1,387.05	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 19'-00" FORWARD OF AFT BULKHEAD

STRAPPED: 08/6/2014 SW
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "304"

4 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-02 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.	IN	10 FT.
0	6.77	0	154.71	0	309.08	0	463.44	0	617.81	0	772.18	0	926.55	0	1,080.92	0	1,235.33	0	1,390.28	0	
1/4	8.78	1/4	157.93	1/4	312.30	1/4	466.66	1/4	621.03	1/4	775.39	1/4	929.76	1/4	1,084.14	1/4	1,238.56	1/4	1,393.51	1/4	
1/2	10.79	1/2	161.14	1/2	315.51	1/2	469.87	1/2	624.24	1/2	778.61	1/2	932.98	1/2	1,087.35	1/2	1,241.79	1/2	1,396.74	1/2	
3/4	12.80	3/4	164.36	3/4	318.73	3/4	473.09	3/4	627.46	3/4	781.82	3/4	936.19	3/4	1,090.57	3/4	1,245.01	3/4	1,399.96	3/4	
1	14.81	1	167.57	1	321.94	1	476.31	1	630.68	1	785.04	1	939.41	1	1,093.78	1	1,248.24	1	1,403.19	1	
1/4	17.63	1/4	170.79	1/4	325.16	1/4	479.52	1/4	633.89	1/4	788.26	1/4	942.63	1/4	1,097.00	1/4	1,251.47	1/4	1,406.42	1/4	
1/2	20.44	1/2	174.01	1/2	328.37	1/2	482.74	1/2	637.11	1/2	791.47	1/2	945.84	1/2	1,100.21	1/2	1,254.70	1/2	1,409.65	1/2	
3/4	23.26	3/4	177.22	3/4	331.59	3/4	485.95	3/4	640.32	3/4	794.69	3/4	949.06	3/4	1,103.43	3/4	1,257.93	3/4	1,412.87	3/4	
2	26.07	2	180.44	2	334.80	2	489.17	2	643.54	2	797.91	2	952.28	2	1,106.64	2	1,261.16	2	1,416.10	2	
1/4	29.29	1/4	183.66	1/4	338.02	1/4	492.39	1/4	646.75	1/4	801.12	1/4	955.49	1/4	1,109.86	1/4	1,264.39	1/4	1,419.33	1/4	
1/2	32.50	1/2	186.87	1/2	341.24	1/2	495.60	1/2	649.97	1/2	804.34	1/2	958.71	1/2	1,113.08	1/2	1,267.62	1/2	1,422.56	1/2	
3/4	35.72	3/4	190.09	3/4	344.45	3/4	498.82	3/4	653.18	3/4	807.55	3/4	961.92	3/4	1,116.29	3/4	1,270.84	3/4	1,425.78	3/4	
3	38.93	3	193.30	3	347.67	3	502.04	3	656.40	3	810.77	3	965.14	3	1,119.51	3	1,274.07	3	1,429.01	3	
1/4	42.15	1/4	196.52	1/4	350.88	1/4	505.25	1/4	659.62	1/4	813.99	1/4	968.35	1/4	1,122.73	1/4	1,277.30	1/4	1,432.24	1/4	
1/2	45.37	1/2	199.73	1/2	354.10	1/2	508.47	1/2	662.83	1/2	817.20	1/2	971.57	1/2	1,125.94	1/2	1,280.53	1/2	1,435.47	1/2	
3/4	48.58	3/4	202.95	3/4	357.31	3/4	511.68	3/4	666.05	3/4	820.42	3/4	974.78	3/4	1,129.16	3/4	1,283.75	3/4	1,438.69	3/4	
4	51.80	4	206.16	4	360.53	4	514.90	4	669.27	4	823.64	4	978.00	4	1,132.37	4	1,286.98	4	1,441.92	4	
1/4	54.99	1/4	209.38	1/4	363.75	1/4	518.11	1/4	672.48	1/4	826.85	1/4	981.22	1/4	1,135.59	1/4	1,290.21	1/4	1,445.15	1/4	
1/2	58.18	1/2	212.60	1/2	366.96	1/2	521.33	1/2	675.70	1/2	830.07	1/2	984.43	1/2	1,138.81	1/2	1,293.44	1/2	1,448.38	1/2	
3/4	61.36	3/4	215.81	3/4	370.18	3/4	524.54	3/4	678.91	3/4	833.28	3/4	987.65	3/4	1,142.02	3/4	1,296.66	3/4	1,451.61	3/4	
5	64.55	5	219.03	5	373.40	5	527.76	5	682.13	5	836.50	5	990.87	5	1,145.24	5	1,299.89	5	1,454.84	5	
1/4	67.79	1/4	222.25	1/4	376.61	1/4	530.98	1/4	685.35	1/4	839.71	1/4	994.08	1/4	1,148.46	1/4	1,303.12	1/4	1,458.07	1/4	
1/2	71.04	1/2	225.46	1/2	379.83	1/2	534.19	1/2	688.56	1/2	842.93	1/2	997.30	1/2	1,151.67	1/2	1,306.35	1/2	1,461.30	1/2	
3/4	74.28	3/4	228.68	3/4	383.04	3/4	537.41	3/4	691.78	3/4	846.14	3/4	1,000.52	3/4	1,154.89	3/4	1,309.57	3/4	1,464.52	3/4	
6	77.52	6	231.89	6	386.26	6	540.63	6	695.00	6	849.36	6	1,003.73	6	1,158.10	6	1,312.80	6	1,467.75	6	
1/4	80.74	1/4	235.11	1/4	389.47	1/4	543.84	1/4	698.21	1/4	852.58	1/4	1,006.95	1/4	1,161.32	1/4	1,316.03	1/4	1,470.66	1/4	
1/2	83.96	1/2	238.33	1/2	392.69	1/2	547.06	1/2	701.43	1/2	855.79	1/2	1,010.17	1/2	1,164.53	1/2	1,319.26	1/2	1,473.57	1/2	
3/4	87.17	3/4	241.54	3/4	395.90	3/4	550.27	3/4	704.64	3/4	859.01	3/4	1,013.38	3/4	1,167.75	3/4	1,322.49	3/4	1,476.47	3/4	
7	90.39	7	244.76	7	399.12	7	553.49	7	707.86	7	862.23	7	1,016.60	7	1,170.96	7	1,325.72	7	1,479.38	7	
1/4	93.61	1/4	247.98	1/4	402.34	1/4	556.71	1/4	711.07	1/4	865.44	1/4	1,019.82	1/4	1,174.18	1/4	1,328.95	1/4	1,481.66	1/4	
1/2	96.82	1/2	251.19	1/2	405.55	1/2	559.92	1/2	714.29	1/2	868.66	1/2	1,023.04	1/2	1,177.40	1/2	1,332.18	1/2	1,483.95	1/2	
3/4	100.04	3/4	254.41	3/4	408.77	3/4	563.14	3/4	717.50	3/4	871.87	3/4	1,026.26	3/4	1,180.61	3/4	1,335.40	3/4	1,486.23	3/4	
8	103.25	8	257.62	8	411.99	8	566.36	8	720.72	8	875.09	8	1,029.48	8	1,183.83	8	1,338.63	8	1,488.51	8	
1/4	106.47	1/4	260.84	1/4	415.20	1/4	569.57	1/4	723.94	1/4	878.31	1/4	1,032.69	1/4	1,187.05	1/4	1,341.86	1/4	1,490.19	1/4	
1/2	109.69	1/2	264.05	1/2	418.42	1/2	572.79	1/2	727.15	1/2	881.52	1/2	1,035.90	1/2	1,190.26	1/2	1,345.09	1/2	1,491.86	1/2	
3/4	112.90	3/4	267.27	3/4	421.63	3/4	576.00	3/4	730.37	3/4	884.74	3/4	1,039.11	3/4	1,193.48	3/4	1,348.31	3/4	1,493.54	3/4	
9	116.12	9	270.48	9	424.85	9	579.22	9	733.59	9	887.96	9	1,042.32	9	1,196.69	9	1,351.54	9	1,495.21	9	
1/4	119.34	1/4	273.70	1/4	428.07	1/4	582.43	1/4	736.80	1/4	891.17	1/4	1,045.54	1/4	1,199.91	1/4	1,354.77	1/4	1,496.28	1/4	
1/2	122.55	1/2	276.92	1/2	431.28	1/2	585.65	1/2	740.02	1/2	894.39	1/2	1,048.76	1/2	1,203.14	1/2	1,358.00	1/2	1,497.35	1/2	
3/4	125.77	3/4	280.13	3/4	434.50	3/4	588.86	3/4	743.23	3/4	897.60	3/4	1,051.97	3/4	1,206.36	3/4	1,361.22	3/4	1,498.41	3/4	
10	128.98	10	283.35	10	437.72	10	592.08	10	746.45	10	900.82	10	1,055.19	10	1,209.58	10	1,364.45	10	1,499.48	10	
1/4	132.20	1/4	286.57	1/4	440.93	1/4	595.30	1/4	749.67	1/4	904.03	1/4	1,058.41	1/4	1,212.79	1/4	1,367.68	1/4	1,499.93	1/4	
1/2	135.41	1/2	289.78	1/2	444.15	1/2	598.51	1/2	752.88	1/2	907.25	1/2	1,061.62	1/2	1,216.00	1/2	1,370.91	1/2	1,500.38	1/2	
3/4	138.63	3/4	293.00	3/4	447.36	3/4	601.73	3/4	756.10	3/4	910.46	3/4	1,064.84	3/4	1,219.21	3/4	1,374.13	3/4	1,500.83	3/4	
11	141.84	11	296.21	11	450.58	11	604.95	11	759.32	11	913.68	11	1,068.05	11	1,222.42	11	1,377.36	11	1,501.28	11	
1/4	145.06	1/4	299.43	1/4	453.79	1/4	608.16	1/4	762.53	1/4	916.90	1/4	1,071.22	1/4	1,225.65	1/4	1,380.59	1/4	1,501.35	1/4	
1/2	148.28	1/2	302.65	1/2	457.01	1/2	611.38	1/2	765.75	1/2	920.11	1/2	1,074.49	1/2	1,228.88	1/2	1,383.82	1/2		1/2	
3/4	151.49	3/4	305.86	3/4	460.22	3/4	614.59	3/4	768.96	3/4	923.33	3/4	1,077.70	3/4	1,232.10	3/4	1,387.05	3/4		3/4	

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ALL PRIOR TO 08/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "304"

5 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	7.80	0	179.38	0	358.42	0	537.46	0	716.50	0	895.54	0	1,074.58	0	1,253.62	0	1,432.57	0	1,610.58	0	
1/4	10.13	1/4	183.11	1/4	362.15	1/4	541.17	1/4	720.23	1/4	899.27	1/4	1,078.31	1/4	1,257.35	1/4	1,436.28	1/4	1,614.28	1/4	
1/2	12.46	1/2	186.84	1/2	365.88	1/2	544.87	1/2	723.96	1/2	903.00	1/2	1,082.04	1/2	1,261.08	1/2	1,439.99	1/2	1,617.99	1/2	
3/4	14.79	3/4	190.57	3/4	369.61	3/4	548.58	3/4	727.69	3/4	906.73	3/4	1,085.77	3/4	1,264.81	3/4	1,443.69	3/4	1,621.69	3/4	
1	17.12	1	194.30	1	373.34	1	552.28	1	731.42	1	910.46	1	1,089.50	1	1,268.54	1	1,447.40	1	1,625.39	1	
1/4	20.39	1/4	198.03	1/4	377.07	1/4	556.04	1/4	735.15	1/4	914.19	1/4	1,093.23	1/4	1,272.27	1/4	1,451.11	1/4	1,629.10	1/4	
1/2	23.65	1/2	201.76	1/2	380.80	1/2	559.79	1/2	738.88	1/2	917.92	1/2	1,096.96	1/2	1,276.00	1/2	1,454.82	1/2	1,632.81	1/2	
3/4	26.92	3/4	205.49	3/4	384.53	3/4	563.55	3/4	742.61	3/4	921.65	3/4	1,100.69	3/4	1,279.73	3/4	1,458.53	3/4	1,636.51	3/4	
2	30.18	2	209.22	2	388.26	2	567.30	2	746.34	2	925.38	2	1,104.42	2	1,283.46	2	1,462.24	2	1,640.22	2	
1/4	33.91	1/4	212.95	1/4	391.99	1/4	571.03	1/4	750.08	1/4	929.11	1/4	1,108.15	1/4	1,287.19	1/4	1,465.95	1/4	1,643.93	1/4	
1/2	37.64	1/2	216.68	1/2	395.72	1/2	574.76	1/2	753.81	1/2	932.84	1/2	1,111.88	1/2	1,290.91	1/2	1,469.66	1/2	1,647.64	1/2	
3/4	41.37	3/4	220.41	3/4	399.45	3/4	578.49	3/4	757.55	3/4	936.57	3/4	1,115.61	3/4	1,294.64	3/4	1,473.36	3/4	1,651.34	3/4	
3	45.10	3	224.14	3	403.18	3	582.22	3	761.28	3	940.30	3	1,119.34	3	1,298.36	3	1,477.07	3	1,655.05	3	
1/4	48.83	1/4	227.87	1/4	406.91	1/4	585.95	1/4	765.01	1/4	944.03	1/4	1,123.07	1/4	1,302.10	1/4	1,480.78	1/4	1,658.76	1/4	
1/2	52.56	1/2	231.60	1/2	410.64	1/2	589.68	1/2	768.73	1/2	947.76	1/2	1,126.80	1/2	1,305.83	1/2	1,484.49	1/2	1,662.47	1/2	
3/4	56.29	3/4	235.33	3/4	414.37	3/4	593.41	3/4	772.46	3/4	951.49	3/4	1,130.53	3/4	1,309.57	3/4	1,488.19	3/4	1,666.17	3/4	
4	60.02	4	239.06	4	418.10	4	597.14	4	776.34	4	955.22	4	1,134.26	4	1,313.30	4	1,491.90	4	1,669.88	4	
1/4	63.75	1/4	242.79	1/4	421.83	1/4	600.87	1/4	779.91	1/4	958.95	1/4	1,137.99	1/4	1,317.03	1/4	1,495.61	1/4	1,673.59	1/4	
1/2	67.48	1/2	246.52	1/2	425.56	1/2	604.60	1/2	783.64	1/2	962.68	1/2	1,141.72	1/2	1,320.76	1/2	1,499.32	1/2	1,677.30	1/2	
3/4	71.21	3/4	250.25	3/4	429.29	3/4	608.33	3/4	787.37	3/4	966.41	3/4	1,145.45	3/4	1,324.49	3/4	1,503.02	3/4	1,681.01	3/4	
5	74.94	5	253.98	5	433.02	5	612.06	5	791.10	5	970.14	5	1,149.18	5	1,328.22	5	1,506.73	5	1,684.72	5	
1/4	78.67	1/4	257.71	1/4	436.75	1/4	615.79	1/4	794.83	1/4	973.87	1/4	1,152.91	1/4	1,331.95	1/4	1,510.44	1/4	1,688.43	1/4	
1/2	82.40	1/2	261.44	1/2	440.48	1/2	619.52	1/2	798.56	1/2	977.60	1/2	1,156.64	1/2	1,335.68	1/2	1,514.15	1/2	1,692.14	1/2	
3/4	86.13	3/4	265.17	3/4	444.21	3/4	623.25	3/4	802.29	3/4	981.33	3/4	1,160.37	3/4	1,339.41	3/4	1,517.85	3/4	1,695.84	3/4	
6	89.86	6	268.90	6	447.94	6	626.98	6	806.02	6	985.06	6	1,164.10	6	1,343.14	6	1,521.56	6	1,699.55	6	
1/4	93.59	1/4	272.63	1/4	451.67	1/4	630.71	1/4	809.75	1/4	988.79	1/4	1,167.83	1/4	1,346.87	1/4	1,525.27	1/4	1,702.92	1/4	
1/2	97.32	1/2	276.36	1/2	455.40	1/2	634.44	1/2	813.48	1/2	992.52	1/2	1,171.56	1/2	1,350.60	1/2	1,528.98	1/2	1,706.29	1/2	
3/4	101.05	3/4	280.09	3/4	459.13	3/4	638.17	3/4	817.21	3/4	996.25	3/4	1,175.29	3/4	1,354.33	3/4	1,532.69	3/4	1,709.65	3/4	
7	104.78	7	283.82	7	462.86	7	641.90	7	820.94	7	999.98	7	1,179.02	7	1,358.06	7	1,536.40	7	1,713.02	7	
1/4	108.51	1/4	287.55	1/4	466.59	1/4	645.63	1/4	824.67	1/4	1,003.71	1/4	1,182.75	1/4	1,361.79	1/4	1,540.11	1/4	1,715.68	1/4	
1/2	112.24	1/2	291.28	1/2	470.32	1/2	649.36	1/2	828.40	1/2	1,007.44	1/2	1,186.48	1/2	1,365.52	1/2	1,543.82	1/2	1,718.33	1/2	
3/4	115.97	3/4	295.01	3/4	474.05	3/4	653.09	3/4	832.13	3/4	1,011.17	3/4	1,190.21	3/4	1,369.25	3/4	1,547.52	3/4	1,720.99	3/4	
8	119.70	8	298.74	8	477.78	8	656.82	8	835.86	8	1,014.90	8	1,193.94	8	1,372.98	8	1,551.23	8	1,723.64	8	
1/4	123.43	1/4	302.47	1/4	481.51	1/4	660.55	1/4	839.59	1/4	1,018.63	1/4	1,197.67	1/4	1,376.71	1/4	1,554.94	1/4	1,725.59	1/4	
1/2	127.16	1/2	306.20	1/2	485.24	1/2	664.28	1/2	843.32	1/2	1,022.36	1/2	1,201.40	1/2	1,380.44	1/2	1,558.65	1/2	1,727.54	1/2	
3/4	130.89	3/4	309.93	3/4	488.97	3/4	668.01	3/4	847.05	3/4	1,026.09	3/4	1,205.13	3/4	1,384.17	3/4	1,562.35	3/4	1,729.48	3/4	
9	134.62	9	313.66	9	492.70	9	671.74	9	850.78	9	1,029.82	9	1,208.86	9	1,387.90	9	1,566.06	9	1,731.43	9	
1/4	138.35	1/4	317.39	1/4	496.43	1/4	675.47	1/4	854.51	1/4	1,033.55	1/4	1,212.59	1/4	1,391.63	1/4	1,569.77	1/4	1,732.67	1/4	
1/2	142.08	1/2	321.12	1/2	500.16	1/2	679.20	1/2	858.24	1/2	1,037.28	1/2	1,216.31	1/2	1,395.36	1/2	1,573.48	1/2	1,733.90	1/2	
3/4	145.81	3/4	324.85	3/4	503.89	3/4	682.93	3/4	861.97	3/4	1,041.01	3/4	1,220.04	3/4	1,399.09	3/4	1,577.18	3/4	1,735.14	3/4	
10	149.54	10	328.58	10	507.62	10	686.66	10	865.70	10	1,044.74	10	1,223.76	10	1,402.82	10	1,580.89	10	1,736.37	10	
1/4	153.27	1/4	332.31	1/4	511.35	1/4	690.39	1/4	869.43	1/4	1,048.47	1/4	1,227.50	1/4	1,406.55	1/4	1,584.60	1/4	1,736.90	1/4	
1/2	157.00	1/2	336.04	1/2	515.08	1/2	694.12	1/2	873.16	1/2	1,052.20	1/2	1,231.23	1/2	1,410.28	1/2	1,588.31	1/2	1,737.42	1/2	
3/4	160.73	3/4	339.77	3/4	518.81	3/4	697.85	3/4	876.89	3/4	1,055.93	3/4	1,234.97	3/4	1,414.01	3/4	1,592.01	3/4	1,737.95	3/4	
11	164.46	11	343.50	11	522.54	11	701.58	11	880.62	11	1,059.66	11	1,238.70	11	1,417.74	11	1,595.72	11	1,738.47	11	
1/4	168.19	1/4	347.23	1/4	526.27	1/4	705.31	1/4	884.35	1/4	1,063.39	1/4	1,242.43	1/4	1,421.45	1/4	1,599.44	1/4	1,738.55	1/4	
1/2	171.92	1/2	350.96	1/2	530.00	1/2	709.04	1/2	888.08	1/2	1,067.12	1/2	1,246.16	1/2	1,425.16	1/2	1,603.15	1/2		1/2	
3/4	175.65	3/4	354.69	3/4	533.73	3/4	712.77	3/4	891.81	3/4	1,070.85	3/4	1,249.89	3/4	1,428.86	3/4	1,606.87	3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD

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



BARGE "304"

5 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 11'-02 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.
0	7.80	0	179.38	0	358.42	0	537.46	0	716.50	0	895.54	0	1,074.58	0	1,253.62	0	1,432.57	0	1,610.58	0	
1/4	10.13	1/4	183.11	1/4	362.15	1/4	541.17	1/4	720.23	1/4	899.27	1/4	1,078.31	1/4	1,257.35	1/4	1,436.28	1/4	1,614.28	1/4	
1/2	12.46	1/2	186.84	1/2	365.88	1/2	544.87	1/2	723.96	1/2	903.00	1/2	1,082.04	1/2	1,261.08	1/2	1,439.99	1/2	1,617.99	1/2	
3/4	14.79	3/4	190.57	3/4	369.61	3/4	548.58	3/4	727.69	3/4	906.73	3/4	1,085.77	3/4	1,264.81	3/4	1,443.69	3/4	1,621.69	3/4	
1	17.12	1	194.30	1	373.34	1	552.28	1	731.42	1	910.46	1	1,089.50	1	1,268.54	1	1,447.40	1	1,625.39	1	
1/4	20.39	1/4	198.03	1/4	377.07	1/4	556.04	1/4	735.15	1/4	914.19	1/4	1,093.23	1/4	1,272.27	1/4	1,451.11	1/4	1,629.10	1/4	
1/2	23.65	1/2	201.76	1/2	380.80	1/2	559.79	1/2	738.88	1/2	917.92	1/2	1,096.96	1/2	1,276.00	1/2	1,454.82	1/2	1,632.81	1/2	
3/4	26.92	3/4	205.49	3/4	384.53	3/4	563.55	3/4	742.61	3/4	921.65	3/4	1,100.69	3/4	1,279.73	3/4	1,458.53	3/4	1,636.51	3/4	
2	30.18	2	209.22	2	388.26	2	567.30	2	746.34	2	925.38	2	1,104.42	2	1,283.46	2	1,462.24	2	1,640.22	2	
1/4	33.91	1/4	212.95	1/4	391.99	1/4	571.03	1/4	750.08	1/4	929.11	1/4	1,108.15	1/4	1,287.19	1/4	1,465.95	1/4	1,643.93	1/4	
1/2	37.64	1/2	216.68	1/2	395.72	1/2	574.76	1/2	753.81	1/2	932.84	1/2	1,111.88	1/2	1,290.91	1/2	1,469.66	1/2	1,647.64	1/2	
3/4	41.37	3/4	220.41	3/4	399.45	3/4	578.49	3/4	757.55	3/4	936.57	3/4	1,115.61	3/4	1,294.64	3/4	1,473.36	3/4	1,651.34	3/4	
3	45.10	3	224.14	3	403.18	3	582.22	3	761.28	3	940.30	3	1,119.34	3	1,298.36	3	1,477.07	3	1,655.05	3	
1/4	48.83	1/4	227.87	1/4	406.91	1/4	585.95	1/4	765.01	1/4	944.03	1/4	1,123.07	1/4	1,302.10	1/4	1,480.78	1/4	1,658.76	1/4	
1/2	52.56	1/2	231.60	1/2	410.64	1/2	589.68	1/2	768.73	1/2	947.76	1/2	1,126.80	1/2	1,305.83	1/2	1,484.49	1/2	1,662.47	1/2	
3/4	56.29	3/4	235.33	3/4	414.37	3/4	593.41	3/4	772.46	3/4	951.49	3/4	1,130.53	3/4	1,309.57	3/4	1,488.19	3/4	1,666.17	3/4	
4	60.02	4	239.06	4	418.10	4	597.14	4	776.34	4	955.22	4	1,134.26	4	1,313.30	4	1,491.90	4	1,669.88	4	
1/4	63.75	1/4	242.79	1/4	421.83	1/4	600.87	1/4	779.91	1/4	958.95	1/4	1,137.99	1/4	1,317.03	1/4	1,495.61	1/4	1,673.59	1/4	
1/2	67.48	1/2	246.52	1/2	425.56	1/2	604.60	1/2	783.64	1/2	962.68	1/2	1,141.72	1/2	1,320.76	1/2	1,499.32	1/2	1,677.30	1/2	
3/4	71.21	3/4	250.25	3/4	429.29	3/4	608.33	3/4	787.37	3/4	966.41	3/4	1,145.45	3/4	1,324.49	3/4	1,503.02	3/4	1,681.01	3/4	
5	74.94	5	253.98	5	433.02	5	612.06	5	791.10	5	970.14	5	1,149.18	5	1,328.22	5	1,506.73	5	1,684.72	5	
1/4	78.67	1/4	257.71	1/4	436.75	1/4	615.79	1/4	794.83	1/4	973.87	1/4	1,152.91	1/4	1,331.95	1/4	1,510.44	1/4	1,688.43	1/4	
1/2	82.40	1/2	261.44	1/2	440.48	1/2	619.52	1/2	798.56	1/2	977.60	1/2	1,156.64	1/2	1,335.68	1/2	1,514.15	1/2	1,692.14	1/2	
3/4	86.13	3/4	265.17	3/4	444.21	3/4	623.25	3/4	802.29	3/4	981.33	3/4	1,160.37	3/4	1,339.41	3/4	1,517.85	3/4	1,695.84	3/4	
6	89.86	6	268.90	6	447.94	6	626.98	6	806.02	6	985.06	6	1,164.10	6	1,343.14	6	1,521.56	6	1,699.55	6	
1/4	93.59	1/4	272.63	1/4	451.67	1/4	630.71	1/4	809.75	1/4	988.79	1/4	1,167.83	1/4	1,346.87	1/4	1,525.27	1/4	1,702.92	1/4	
1/2	97.32	1/2	276.36	1/2	455.40	1/2	634.44	1/2	813.48	1/2	992.52	1/2	1,171.56	1/2	1,350.60	1/2	1,528.98	1/2	1,706.29	1/2	
3/4	101.05	3/4	280.09	3/4	459.13	3/4	638.17	3/4	817.21	3/4	996.25	3/4	1,175.29	3/4	1,354.33	3/4	1,532.69	3/4	1,709.65	3/4	
7	104.78	7	283.82	7	462.86	7	641.90	7	820.94	7	999.98	7	1,179.02	7	1,358.06	7	1,536.40	7	1,713.02	7	
1/4	108.51	1/4	287.55	1/4	466.59	1/4	645.63	1/4	824.67	1/4	1,003.71	1/4	1,182.75	1/4	1,361.79	1/4	1,540.11	1/4	1,715.68	1/4	
1/2	112.24	1/2	291.28	1/2	470.32	1/2	649.36	1/2	828.40	1/2	1,007.44	1/2	1,186.48	1/2	1,365.52	1/2	1,543.82	1/2	1,718.33	1/2	
3/4	115.97	3/4	295.01	3/4	474.05	3/4	653.09	3/4	832.13	3/4	1,011.17	3/4	1,190.21	3/4	1,369.25	3/4	1,547.52	3/4	1,720.99	3/4	
8	119.70	8	298.74	8	477.78	8	656.82	8	835.86	8	1,014.90	8	1,193.94	8	1,372.98	8	1,551.23	8	1,723.64	8	
1/4	123.43	1/4	302.47	1/4	481.51	1/4	660.55	1/4	839.59	1/4	1,018.63	1/4	1,197.67	1/4	1,376.71	1/4	1,554.94	1/4	1,725.59	1/4	
1/2	127.16	1/2	306.20	1/2	485.24	1/2	664.28	1/2	843.32	1/2	1,022.36	1/2	1,201.40	1/2	1,380.44	1/2	1,558.65	1/2	1,727.54	1/2	
3/4	130.89	3/4	309.93	3/4	488.97	3/4	668.01	3/4	847.05	3/4	1,026.09	3/4	1,205.13	3/4	1,384.17	3/4	1,562.35	3/4	1,729.48	3/4	
9	134.62	9	313.66	9	492.70	9	671.74	9	850.78	9	1,029.82	9	1,208.86	9	1,387.90	9	1,566.06	9	1,731.43	9	
1/4	138.35	1/4	317.39	1/4	496.43	1/4	675.47	1/4	854.51	1/4	1,033.55	1/4	1,212.59	1/4	1,391.63	1/4	1,569.77	1/4	1,732.67	1/4	
1/2	142.08	1/2	321.12	1/2	500.16	1/2	679.20	1/2	858.24	1/2	1,037.28	1/2	1,216.31	1/2	1,395.36	1/2	1,573.48	1/2	1,733.90	1/2	
3/4	145.81	3/4	324.85	3/4	503.89	3/4	682.93	3/4	861.97	3/4	1,041.01	3/4	1,220.04	3/4	1,399.09	3/4	1,577.18	3/4	1,735.14	3/4	
10	149.54	10	328.58	10	507.62	10	686.66	10	865.70	10	1,044.74	10	1,223.76	10	1,402.82	10	1,580.89	10	1,736.37	10	
1/4	153.27	1/4	332.31	1/4	511.35	1/4	690.39	1/4	869.43	1/4	1,048.47	1/4	1,227.50	1/4	1,406.55	1/4	1,584.60	1/4	1,736.90	1/4	
1/2	157.00	1/2	336.04	1/2	515.08	1/2	694.12	1/2	873.16	1/2	1,052.20	1/2	1,231.23	1/2	1,410.28	1/2	1,588.31	1/2	1,737.42	1/2	
3/4	160.73	3/4	339.77	3/4	518.81	3/4	697.85	3/4	876.89	3/4	1,055.93	3/4	1,234.97	3/4	1,414.01	3/4	1,592.01	3/4	1,737.95	3/4	
11	164.46	11	343.50	11	522.54	11	701.58	11	880.62	11	1,059.66	11	1,238.70	11	1,417.74	11	1,595.72	11	1,738.47	11	
1/4	168.19	1/4	347.23	1/4	526.27	1/4	705.31	1/4	884.35	1/4	1,063.39	1/4	1,242.43	1/4	1,421.45	1/4	1,599.44	1/4	1,738.55	1/4	
1/2	171.92	1/2	350.96	1/2	530.00	1/2	709.04	1/2	888.08	1/2	1,067.12	1/2	1,246.16	1/2	1,425.16	1/2	1,603.15	1/2		1/2	
3/4	175.65	3/4	354.69	3/4	533.73	3/4	712.77	3/4	891.81	3/4	1,070.85	3/4	1,249.89	3/4	1,428.86	3/4	1,606.87	3/4		3/4	

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