



BARGE "405"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 222'-09"

May 15, 2007

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

<http://www.pmacorp.net>



BARGE "405"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	494.41	0	332.05	0	167.64	0		0		0		0		0		0		0	
1/4	491.05	1/4	328.62	1/4	164.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	487.69	1/2	325.20	1/2	160.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	484.33	3/4	321.77	3/4	157.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	480.97	1	318.35	1	153.93	1		1		1		1		1		1		1	
1/4	477.61	1/4	314.92	1/4	150.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	474.26	1/2	311.50	1/2	147.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	470.90	3/4	308.07	3/4	143.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	467.54	2	304.65	2	140.23	2		2		2		2		2		2		2	
1/4	464.18	1/4	301.22	1/4	136.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	460.82	1/2	297.80	1/2	133.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	457.46	3/4	294.37	3/4	129.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	454.10	3	290.95	3	126.53	3		3		3		3		3		3		3	
1/4	450.74	1/4	287.52	1/4	123.11	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	447.38	1/2	284.10	1/2	119.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444.02	3/4	280.67	3/4	116.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	440.66	4	277.25	4	112.85	4		4		4		4		4		4		4	
1/4	437.30	1/4	273.82	1/4	109.43	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	433.94	1/2	270.39	1/2	106.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	430.58	3/4	266.97	3/4	102.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	427.22	5	263.54	5	99.18	5		5		5		5		5		5		5	
1/4	423.86	1/4	260.12	1/4	95.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	420.50	1/2	256.69	1/2	92.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	417.14	3/4	253.27	3/4	88.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	413.77	6	249.84	6	85.53	6		6		6		6		6		6		6	
1/4	410.39	1/4	246.42	1/4	82.12	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	407.02	1/2	242.99	1/2	78.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	403.64	3/4	239.57	3/4	75.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	400.25	7	236.14	7	71.92	7		7		7		7		7		7		7	
1/4	396.86	1/4	232.72	1/4	68.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393.47	1/2	229.29	1/2	65.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	390.08	3/4	225.87	3/4	61.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	386.69	8	222.44	8	58.36	8		8		8		8		8		8		8	
1/4	383.29	1/4	219.02	1/4	54.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	379.90	1/2	215.59	1/2	51.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	376.51	3/4	212.16	3/4	48.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	373.10	9	208.74	9	44.98	9		9		9		9		9		9		9	
1/4	369.69	1/4	205.31	1/4	41.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	366.29	1/2	201.89	1/2	38.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	362.88	3/4	198.46	3/4	35.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	359.45	10	195.04	10	32.37	10		10		10		10		10		10		10	
1/4	356.03	1/4	191.61	1/4	29.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	352.60	1/2	188.19	1/2	26.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	349.18	3/4	184.76	3/4	23.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	345.75	11	181.34	11	21.54	11		11		11		11		11		11		11	
1/4	342.33	1/4	177.91	1/4	19.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	338.90	1/2	174.49	1/2	16.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	335.48	3/4	171.06	3/4	14.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 3/4"

Table with columns for height (0 to 11 ft) and gauge heights (1/4, 1/2, 3/4). Rows show capacity values in barrels for each combination.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE. GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092 Pearlland, Texas 77588 http://www.pmacorp.net





BARGE "405"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	494.54	0	332.14	0	167.68	0		0		0		0		0		0		0	
1/4	491.18	1/4	328.71	1/4	164.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	487.82	1/2	325.29	1/2	160.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	484.46	3/4	321.86	3/4	157.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	481.10	1	318.43	1	153.97	1		1		1		1		1		1		1	
1/4	477.74	1/4	315.01	1/4	150.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	474.38	1/2	311.58	1/2	147.12	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	471.02	3/4	308.16	3/4	143.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	467.66	2	304.73	2	140.27	2		2		2		2		2		2		2	
1/4	464.30	1/4	301.30	1/4	136.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	460.94	1/2	297.88	1/2	133.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	457.58	3/4	294.45	3/4	129.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	454.22	3	291.02	3	126.57	3		3		3		3		3		3		3	
1/4	450.86	1/4	287.60	1/4	123.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	447.50	1/2	284.17	1/2	119.72	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444.14	3/4	280.74	3/4	116.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	440.78	4	277.32	4	112.88	4		4		4		4		4		4		4	
1/4	437.42	1/4	273.89	1/4	109.46	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	434.06	1/2	270.47	1/2	106.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	430.70	3/4	267.04	3/4	102.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	427.34	5	263.61	5	99.20	5		5		5		5		5		5		5	
1/4	423.97	1/4	260.19	1/4	95.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	420.61	1/2	256.76	1/2	92.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	417.25	3/4	253.33	3/4	88.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	413.88	6	249.91	6	85.55	6		6		6		6		6		6		6	
1/4	410.50	1/4	246.48	1/4	82.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	407.13	1/2	243.06	1/2	78.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	403.75	3/4	239.63	3/4	75.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	400.36	7	236.20	7	71.94	7		7		7		7		7		7		7	
1/4	396.96	1/4	232.78	1/4	68.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393.57	1/2	229.35	1/2	65.15	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	390.18	3/4	225.93	3/4	61.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	386.79	8	222.50	8	58.37	8		8		8		8		8		8		8	
1/4	383.40	1/4	219.07	1/4	55.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	380.00	1/2	215.65	1/2	51.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	376.61	3/4	212.22	3/4	48.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	373.20	9	208.79	9	44.99	9		9		9		9		9		9		9	
1/4	369.79	1/4	205.37	1/4	41.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	366.38	1/2	201.94	1/2	38.49	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	362.97	3/4	198.52	3/4	35.24	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	359.55	10	195.09	10	32.38	10		10		10		10		10		10		10	
1/4	356.12	1/4	191.66	1/4	29.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	352.70	1/2	188.24	1/2	26.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	349.27	3/4	184.81	3/4	23.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	345.84	11	181.38	11	21.54	11		11		11		11		11		11		11	
1/4	342.42	1/4	177.96	1/4	19.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	338.99	1/2	174.53	1/2	16.97	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	335.56	3/4	171.11	3/4	14.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 13'-00"

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	502.18	0	337.96	0	172.32	0	14.79	0		0		0		0		0		0	
1/4	498.78	1/4	334.51	1/4	168.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	495.39	1/2	331.06	1/2	165.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	491.99	3/4	327.61	3/4	161.97	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	488.59	1	324.16	1	158.52	1		1		1		1		1		1		1	
1/4	485.20	1/4	320.70	1/4	155.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	481.80	1/2	317.25	1/2	151.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	478.40	3/4	313.80	3/4	148.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	475.01	2	310.35	2	144.72	2		2		2		2		2		2		2	
1/4	471.61	1/4	306.90	1/4	141.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	468.22	1/2	303.45	1/2	137.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	464.82	3/4	300.00	3/4	134.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	461.42	3	296.55	3	130.92	3		3		3		3		3		3		3	
1/4	458.03	1/4	293.10	1/4	127.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	454.63	1/2	289.65	1/2	124.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	451.23	3/4	286.20	3/4	120.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	447.84	4	282.75	4	117.12	4		4		4		4		4		4		4	
1/4	444.44	1/4	279.30	1/4	113.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	441.04	1/2	275.85	1/2	110.23	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	437.65	3/4	272.39	3/4	106.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	434.25	5	268.94	5	103.35	5		5		5		5		5		5		5	
1/4	430.85	1/4	265.49	1/4	99.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	427.46	1/2	262.04	1/2	96.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	424.06	3/4	258.59	3/4	93.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	420.67	6	255.14	6	89.59	6		6		6		6		6		6		6	
1/4	417.24	1/4	251.69	1/4	86.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	413.82	1/2	248.24	1/2	82.73	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	410.40	3/4	244.79	3/4	79.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	406.97	7	241.34	7	75.87	7		7		7		7		7		7		7	
1/4	403.52	1/4	237.89	1/4	72.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	400.07	1/2	234.44	1/2	69.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	396.62	3/4	230.99	3/4	65.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	393.17	8	227.54	8	62.19	8		8		8		8		8		8		8	
1/4	389.72	1/4	224.09	1/4	58.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	386.27	1/2	220.63	1/2	55.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	382.82	3/4	217.18	3/4	51.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	379.37	9	213.73	9	48.58	9		9		9		9		9		9		9	
1/4	375.92	1/4	210.28	1/4	45.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	372.47	1/2	206.83	1/2	42.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	369.01	3/4	203.38	3/4	38.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	365.56	10	199.93	10	35.48	10		10		10		10		10		10		10	
1/4	362.11	1/4	196.48	1/4	32.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	358.66	1/2	193.03	1/2	29.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	355.21	3/4	189.58	3/4	26.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	351.76	11	186.13	11	23.99	11		11		11		11		11		11		11	
1/4	348.31	1/4	182.68	1/4	21.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	344.86	1/2	179.23	1/2	19.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	341.41	3/4	175.78	3/4	17.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	498.91	0	334.59	0	168.92	0		0		0		0		0		0		0	
1/4	495.52	1/4	331.14	1/4	165.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	492.12	1/2	327.69	1/2	162.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	488.72	3/4	324.24	3/4	158.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	485.32	1	320.79	1	155.11	1		1		1		1		1		1		1	
1/4	481.93	1/4	317.34	1/4	151.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	478.53	1/2	313.89	1/2	148.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	475.13	3/4	310.43	3/4	144.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	471.74	2	306.98	2	141.30	2		2		2		2		2		2		2	
1/4	468.34	1/4	303.53	1/4	137.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	464.94	1/2	300.08	1/2	134.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	461.54	3/4	296.63	3/4	130.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	458.15	3	293.18	3	127.50	3		3		3		3		3		3		3	
1/4	454.75	1/4	289.72	1/4	124.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	451.35	1/2	286.27	1/2	120.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	447.95	3/4	282.82	3/4	117.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	444.56	4	279.37	4	113.71	4		4		4		4		4		4		4	
1/4	441.16	1/4	275.92	1/4	110.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	437.76	1/2	272.47	1/2	106.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	434.36	3/4	269.01	3/4	103.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	430.97	5	265.56	5	99.93	5		5		5		5		5		5		5	
1/4	427.57	1/4	262.11	1/4	96.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	424.17	1/2	258.66	1/2	93.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	420.78	3/4	255.21	3/4	89.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	417.35	6	251.76	6	86.18	6		6		6		6		6		6		6	
1/4	413.93	1/4	248.30	1/4	82.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	410.50	1/2	244.85	1/2	79.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	407.08	3/4	241.40	3/4	75.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	403.63	7	237.95	7	72.47	7		7		7		7		7		7		7	
1/4	400.18	1/4	234.50	1/4	69.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	396.72	1/2	231.05	1/2	65.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	393.27	3/4	227.60	3/4	62.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	389.82	8	224.14	8	58.80	8		8		8		8		8		8		8	
1/4	386.37	1/4	220.69	1/4	55.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	382.92	1/2	217.24	1/2	52.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	379.47	3/4	213.79	3/4	48.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	376.01	9	210.34	9	45.32	9		9		9		9		9		9		9	
1/4	372.56	1/4	206.89	1/4	42.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	369.11	1/2	203.43	1/2	38.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365.66	3/4	199.98	3/4	35.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	362.21	10	196.53	10	32.62	10		10		10		10		10		10		10	
1/4	358.76	1/4	193.08	1/4	29.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355.30	1/2	189.63	1/2	26.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	351.85	3/4	186.18	3/4	24.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	348.40	11	182.72	11	21.70	11		11		11		11		11		11		11	
1/4	344.95	1/4	179.27	1/4	19.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	341.50	1/2	175.82	1/2	17.09	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	338.05	3/4	172.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	499.48	0	334.59	0	168.92	0		0		0		0		0		0		0	
1/4	496.06	1/4	331.14	1/4	165.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	492.64	1/2	327.69	1/2	162.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	489.22	3/4	324.24	3/4	158.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	485.80	1	320.79	1	155.11	1		1		1		1		1		1		1	
1/4	482.38	1/4	317.34	1/4	151.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	478.96	1/2	313.89	1/2	148.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	475.54	3/4	310.43	3/4	144.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	472.12	2	306.98	2	141.30	2		2		2		2		2		2		2	
1/4	468.70	1/4	303.53	1/4	137.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	465.28	1/2	300.08	1/2	134.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	461.86	3/4	296.63	3/4	130.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	458.44	3	293.18	3	127.50	3		3		3		3		3		3		3	
1/4	455.02	1/4	289.72	1/4	124.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	451.60	1/2	286.27	1/2	120.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	448.18	3/4	282.82	3/4	117.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	444.76	4	279.37	4	113.71	4		4		4		4		4		4		4	
1/4	441.34	1/4	275.92	1/4	110.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	437.92	1/2	272.47	1/2	106.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	434.50	3/4	269.01	3/4	103.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	431.08	5	265.56	5	99.93	5		5		5		5		5		5		5	
1/4	427.66	1/4	262.11	1/4	96.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	424.24	1/2	258.66	1/2	93.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	420.82	3/4	255.21	3/4	89.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	417.38	6	251.76	6	86.18	6		6		6		6		6		6		6	
1/4	413.95	1/4	248.30	1/4	82.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	410.51	1/2	244.85	1/2	79.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	407.08	3/4	241.40	3/4	75.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	403.63	7	237.95	7	72.47	7		7		7		7		7		7		7	
1/4	400.18	1/4	234.50	1/4	69.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	396.72	1/2	231.05	1/2	65.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	393.27	3/4	227.60	3/4	62.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	389.82	8	224.14	8	58.80	8		8		8		8		8		8		8	
1/4	386.37	1/4	220.69	1/4	55.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	382.92	1/2	217.24	1/2	52.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	379.47	3/4	213.79	3/4	48.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	376.01	9	210.34	9	45.32	9		9		9		9		9		9		9	
1/4	372.56	1/4	206.89	1/4	42.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	369.11	1/2	203.43	1/2	38.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365.66	3/4	199.98	3/4	35.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	362.21	10	196.53	10	32.62	10		10		10		10		10		10		10	
1/4	358.76	1/4	193.08	1/4	29.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355.30	1/2	189.63	1/2	26.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	351.85	3/4	186.18	3/4	24.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	348.40	11	182.72	11	21.70	11		11		11		11		11		11		11	
1/4	344.95	1/4	179.27	1/4	19.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	341.50	1/2	175.82	1/2	17.09	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	338.05	3/4	172.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "405"

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 3/4"

Table with columns for height (0 FT. to 9 FT.) and gauge height (1/4, 1/2, 3/4). Rows represent capacity in whole barrels for each combination.

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 AT "MMC" VALVE. GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" 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 "405"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	499.48	0	334.59	0	168.92	0		0		0		0		0		0		0	
1/4	496.06	1/4	331.14	1/4	165.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	492.64	1/2	327.69	1/2	162.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	489.22	3/4	324.24	3/4	158.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	485.80	1	320.79	1	155.11	1		1		1		1		1		1		1	
1/4	482.38	1/4	317.34	1/4	151.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	478.96	1/2	313.89	1/2	148.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	475.54	3/4	310.43	3/4	144.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	472.12	2	306.98	2	141.30	2		2		2		2		2		2		2	
1/4	468.70	1/4	303.53	1/4	137.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	465.28	1/2	300.08	1/2	134.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	461.86	3/4	296.63	3/4	130.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	458.44	3	293.18	3	127.50	3		3		3		3		3		3		3	
1/4	455.02	1/4	289.72	1/4	124.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	451.60	1/2	286.27	1/2	120.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	448.18	3/4	282.82	3/4	117.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	444.76	4	279.37	4	113.71	4		4		4		4		4		4		4	
1/4	441.34	1/4	275.92	1/4	110.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	437.92	1/2	272.47	1/2	106.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	434.50	3/4	269.01	3/4	103.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	431.08	5	265.56	5	99.93	5		5		5		5		5		5		5	
1/4	427.66	1/4	262.11	1/4	96.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	424.24	1/2	258.66	1/2	93.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	420.82	3/4	255.21	3/4	89.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	417.40	6	251.76	6	86.18	6		6		6		6		6		6		6	
1/4	413.98	1/4	248.30	1/4	82.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	410.53	1/2	244.85	1/2	79.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	407.08	3/4	241.40	3/4	75.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	403.63	7	237.95	7	72.46	7		7		7		7		7		7		7	
1/4	400.18	1/4	234.50	1/4	69.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	396.72	1/2	231.05	1/2	65.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	393.27	3/4	227.60	3/4	62.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	389.82	8	224.14	8	58.79	8		8		8		8		8		8		8	
1/4	386.37	1/4	220.69	1/4	55.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	382.92	1/2	217.24	1/2	51.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	379.47	3/4	213.79	3/4	48.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	376.01	9	210.34	9	45.20	9		9		9		9		9		9		9	
1/4	372.56	1/4	206.89	1/4	41.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	369.11	1/2	203.43	1/2	38.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365.66	3/4	199.98	3/4	35.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	362.21	10	196.53	10	32.33	10		10		10		10		10		10		10	
1/4	358.76	1/4	193.08	1/4	29.18	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355.30	1/2	189.63	1/2	26.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	351.85	3/4	186.18	3/4	24.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	348.40	11	182.72	11	21.41	11		11		11		11		11		11		11	
1/4	344.95	1/4	179.27	1/4	18.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	341.50	1/2	175.82	1/2	16.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	338.05	3/4	172.37	3/4	14.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

4 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	498.91	0	334.59	0	168.92	0		0		0		0		0		0		0	
1/4	495.52	1/4	331.14	1/4	165.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	492.12	1/2	327.69	1/2	162.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	488.72	3/4	324.24	3/4	158.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	485.32	1	320.79	1	155.11	1		1		1		1		1		1		1	
1/4	481.93	1/4	317.34	1/4	151.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	478.53	1/2	313.89	1/2	148.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	475.13	3/4	310.43	3/4	144.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	471.74	2	306.98	2	141.30	2		2		2		2		2		2		2	
1/4	468.34	1/4	303.53	1/4	137.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	464.94	1/2	300.08	1/2	134.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	461.54	3/4	296.63	3/4	130.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	458.15	3	293.18	3	127.50	3		3		3		3		3		3		3	
1/4	454.75	1/4	289.72	1/4	124.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	451.35	1/2	286.27	1/2	120.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	447.95	3/4	282.82	3/4	117.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	444.56	4	279.37	4	113.71	4		4		4		4		4		4		4	
1/4	441.16	1/4	275.92	1/4	110.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	437.76	1/2	272.47	1/2	106.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	434.37	3/4	269.01	3/4	103.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	430.97	5	265.56	5	99.93	5		5		5		5		5		5		5	
1/4	427.57	1/4	262.11	1/4	96.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	424.17	1/2	258.66	1/2	93.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	420.78	3/4	255.21	3/4	89.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	417.38	6	251.76	6	86.18	6		6		6		6		6		6		6	
1/4	413.98	1/4	248.30	1/4	82.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	410.53	1/2	244.85	1/2	79.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	407.08	3/4	241.40	3/4	75.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	403.63	7	237.95	7	72.46	7		7		7		7		7		7		7	
1/4	400.18	1/4	234.50	1/4	69.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	396.72	1/2	231.05	1/2	65.62	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	393.27	3/4	227.60	3/4	62.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	389.82	8	224.14	8	58.79	8		8		8		8		8		8		8	
1/4	386.37	1/4	220.69	1/4	55.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	382.92	1/2	217.24	1/2	51.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	379.47	3/4	213.79	3/4	48.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	376.01	9	210.34	9	45.20	9		9		9		9		9		9		9	
1/4	372.56	1/4	206.89	1/4	41.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	369.11	1/2	203.43	1/2	38.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	365.66	3/4	199.98	3/4	35.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	362.21	10	196.53	10	32.33	10		10		10		10		10		10		10	
1/4	358.76	1/4	193.08	1/4	29.18	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	355.30	1/2	189.63	1/2	26.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	351.85	3/4	186.18	3/4	24.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	348.40	11	182.72	11	21.41	11		11		11		11		11		11		11	
1/4	344.95	1/4	179.27	1/4	18.82	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	341.50	1/2	175.82	1/2	16.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	338.05	3/4	172.37	3/4	14.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

4 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	495.25	0	330.97	0	165.38	0		0		0		0		0		0		0	
1/4	491.86	1/4	327.52	1/4	161.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	488.46	1/2	324.07	1/2	158.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	485.07	3/4	320.62	3/4	155.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	481.67	1	317.17	1	151.58	1		1		1		1		1		1		1	
1/4	478.28	1/4	313.72	1/4	148.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	474.88	1/2	310.27	1/2	144.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	471.49	3/4	306.82	3/4	141.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	468.09	2	303.37	2	137.78	2		2		2		2		2		2		2	
1/4	464.69	1/4	299.92	1/4	134.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	461.30	1/2	296.47	1/2	130.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	457.90	3/4	293.02	3/4	127.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	454.51	3	289.57	3	123.98	3		3		3		3		3		3		3	
1/4	451.11	1/4	286.12	1/4	120.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	447.72	1/2	282.67	1/2	117.09	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444.32	3/4	279.22	3/4	113.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	440.93	4	275.77	4	110.20	4		4		4		4		4		4		4	
1/4	437.53	1/4	272.32	1/4	106.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	434.14	1/2	268.87	1/2	103.32	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	430.74	3/4	265.42	3/4	99.88	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	427.34	5	261.97	5	96.44	5		5		5		5		5		5		5	
1/4	423.95	1/4	258.52	1/4	93.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	420.55	1/2	255.07	1/2	89.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	417.16	3/4	251.63	3/4	86.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	413.76	6	248.18	6	82.70	6		6		6		6		6		6		6	
1/4	410.31	1/4	244.73	1/4	79.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	406.86	1/2	241.28	1/2	75.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	403.41	3/4	237.83	3/4	72.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	399.96	7	234.38	7	69.00	7		7		7		7		7		7		7	
1/4	396.51	1/4	230.93	1/4	65.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393.06	1/2	227.48	1/2	62.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	389.61	3/4	224.03	3/4	58.76	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	386.16	8	220.58	8	55.35	8		8		8		8		8		8		8	
1/4	382.72	1/4	217.13	1/4	51.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	379.27	1/2	213.68	1/2	48.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	375.82	3/4	210.23	3/4	45.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	372.37	9	206.78	9	41.79	9		9		9		9		9		9		9	
1/4	368.92	1/4	203.33	1/4	38.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	365.47	1/2	199.88	1/2	35.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	362.02	3/4	196.43	3/4	32.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	358.57	10	192.98	10	29.16	10		10		10		10		10		10		10	
1/4	355.12	1/4	189.53	1/4	26.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	351.67	1/2	186.08	1/2	23.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	348.22	3/4	182.63	3/4	21.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	344.77	11	179.18	11	18.81	11		11		11		11		11		11		11	
1/4	341.32	1/4	175.73	1/4	16.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	337.87	1/2	172.28	1/2	14.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	334.42	3/4	168.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

5 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-00 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	505.35	0	341.50	0	175.82	0	16.81	0		0		0		0		0		0	
1/4	501.95	1/4	338.05	1/4	172.37	1/4	14.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	498.56	1/2	334.59	1/2	168.92	1/2	12.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	495.16	3/4	331.14	3/4	165.47	3/4	10.77	3/4		3/4		3/4		3/4		3/4		3/4	
1	491.77	1	327.69	1	162.01	1		1		1		1		1		1		1	
1/4	488.37	1/4	324.24	1/4	158.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	484.98	1/2	320.79	1/2	155.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	481.58	3/4	317.34	3/4	151.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	478.19	2	313.89	2	148.21	2		2		2		2		2		2		2	
1/4	474.79	1/4	310.43	1/4	144.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	471.40	1/2	306.98	1/2	141.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	468.00	3/4	303.53	3/4	137.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	464.61	3	300.08	3	134.40	3		3		3		3		3		3		3	
1/4	461.21	1/4	296.63	1/4	130.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	457.82	1/2	293.18	1/2	127.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	454.42	3/4	289.72	3/4	124.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	451.03	4	286.27	4	120.60	4		4		4		4		4		4		4	
1/4	447.63	1/4	282.82	1/4	117.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	444.24	1/2	279.37	1/2	113.71	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	440.84	3/4	275.92	3/4	110.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	437.45	5	272.47	5	106.82	5		5		5		5		5		5		5	
1/4	434.05	1/4	269.01	1/4	103.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430.66	1/2	265.56	1/2	99.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	427.26	3/4	262.11	3/4	96.49	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	423.87	6	258.66	6	93.05	6		6		6		6		6		6		6	
1/4	420.47	1/4	255.21	1/4	89.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	417.08	1/2	251.76	1/2	86.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	413.68	3/4	248.30	3/4	82.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	410.26	7	244.85	7	79.31	7		7		7		7		7		7		7	
1/4	406.83	1/4	241.40	1/4	75.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	403.40	1/2	237.95	1/2	72.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	399.98	3/4	234.50	3/4	69.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	396.55	8	231.05	8	65.62	8		8		8		8		8		8		8	
1/4	393.12	1/4	227.60	1/4	62.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	389.70	1/2	224.14	1/2	58.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	386.27	3/4	220.69	3/4	55.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	382.84	9	217.24	9	51.99	9		9		9		9		9		9		9	
1/4	379.42	1/4	213.79	1/4	48.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	375.99	1/2	210.34	1/2	45.20	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	372.56	3/4	206.89	3/4	41.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	369.11	10	203.43	10	38.65	10		10		10		10		10		10		10	
1/4	365.66	1/4	199.98	1/4	35.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	362.21	1/2	196.53	1/2	32.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	358.76	3/4	193.08	3/4	29.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	355.30	11	189.63	11	26.59	11		11		11		11		11		11		11	
1/4	351.85	1/4	186.18	1/4	24.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	348.40	1/2	182.72	1/2	21.41	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	344.95	3/4	179.27	3/4	18.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

5 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	495.29	0	331.23	0	165.51	0		0		0		0		0		0		0	
1/4	491.90	1/4	327.78	1/4	162.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	488.50	1/2	324.32	1/2	158.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	485.10	3/4	320.87	3/4	155.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	481.71	1	317.42	1	151.70	1		1		1		1		1		1		1	
1/4	478.31	1/4	313.97	1/4	148.25	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	474.92	1/2	310.51	1/2	144.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	471.52	3/4	307.06	3/4	141.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	468.13	2	303.61	2	137.89	2		2		2		2		2		2		2	
1/4	464.73	1/4	300.16	1/4	134.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	461.33	1/2	296.70	1/2	130.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	457.94	3/4	293.25	3/4	127.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	454.54	3	289.80	3	124.08	3		3		3		3		3		3		3	
1/4	451.15	1/4	286.35	1/4	120.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	447.75	1/2	282.89	1/2	117.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	444.35	3/4	279.44	3/4	113.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	440.96	4	275.99	4	110.29	4		4		4		4		4		4		4	
1/4	437.56	1/4	272.54	1/4	106.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	434.17	1/2	269.08	1/2	103.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	430.77	3/4	265.63	3/4	99.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	427.37	5	262.18	5	96.51	5		5		5		5		5		5		5	
1/4	423.98	1/4	258.73	1/4	93.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	420.58	1/2	255.27	1/2	89.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	417.19	3/4	251.82	3/4	86.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	413.79	6	248.37	6	82.76	6		6		6		6		6		6		6	
1/4	410.36	1/4	244.92	1/4	79.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	406.94	1/2	241.46	1/2	75.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	403.51	3/4	238.01	3/4	72.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	400.08	7	234.56	7	69.05	7		7		7		7		7		7		7	
1/4	396.65	1/4	231.11	1/4	65.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393.23	1/2	227.65	1/2	62.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	389.80	3/4	224.20	3/4	58.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	386.37	8	220.75	8	55.39	8		8		8		8		8		8		8	
1/4	382.94	1/4	217.30	1/4	52.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	379.51	1/2	213.84	1/2	48.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	376.09	3/4	210.39	3/4	45.21	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	372.66	9	206.94	9	41.82	9		9		9		9		9		9		9	
1/4	369.21	1/4	203.49	1/4	38.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	365.75	1/2	200.03	1/2	35.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	362.30	3/4	196.58	3/4	32.34	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	358.85	10	193.13	10	29.18	10		10		10		10		10		10		10	
1/4	355.40	1/4	189.68	1/4	26.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	351.94	1/2	186.22	1/2	24.00	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	348.49	3/4	182.77	3/4	21.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	345.04	11	179.32	11	18.83	11		11		11		11		11		11		11	
1/4	341.59	1/4	175.87	1/4	16.81	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	338.13	1/2	172.41	1/2	14.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	334.68	3/4	168.96	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

6 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-00 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	500.03	0	339.53	0	173.24	0	14.90	0		0		0		0		0		0	
1/4	496.73	1/4	336.07	1/4	169.77	1/4	12.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	493.44	1/2	332.60	1/2	166.31	1/2	10.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	490.14	3/4	329.14	3/4	162.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	486.84	1	325.67	1	159.38	1		1		1		1		1		1		1	
1/4	483.54	1/4	322.21	1/4	155.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	480.24	1/2	318.74	1/2	152.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	476.94	3/4	315.28	3/4	148.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	473.64	2	311.81	2	145.52	2		2		2		2		2		2		2	
1/4	470.35	1/4	308.35	1/4	142.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	467.05	1/2	304.89	1/2	138.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	463.75	3/4	301.42	3/4	135.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	460.45	3	297.96	3	131.67	3		3		3		3		3		3		3	
1/4	457.15	1/4	294.49	1/4	128.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	453.85	1/2	291.03	1/2	124.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	450.55	3/4	287.56	3/4	121.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	447.26	4	284.10	4	117.82	4		4		4		4		4		4		4	
1/4	443.96	1/4	280.63	1/4	114.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	440.66	1/2	277.17	1/2	110.90	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	437.36	3/4	273.71	3/4	107.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	434.06	5	270.24	5	103.99	5		5		5		5		5		5		5	
1/4	430.76	1/4	266.78	1/4	100.53	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	427.47	1/2	263.31	1/2	97.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	424.17	3/4	259.85	3/4	93.62	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	420.87	6	256.38	6	90.18	6		6		6		6		6		6		6	
1/4	417.57	1/4	252.92	1/4	86.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	414.27	1/2	249.46	1/2	83.28	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	410.94	3/4	245.99	3/4	79.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	407.61	7	242.53	7	76.40	7		7		7		7		7		7		7	
1/4	404.28	1/4	239.06	1/4	72.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	400.95	1/2	235.60	1/2	69.52	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	397.61	3/4	232.13	3/4	66.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	394.27	8	228.67	8	62.64	8		8		8		8		8		8		8	
1/4	390.93	1/4	225.20	1/4	59.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	387.58	1/2	221.74	1/2	55.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	384.23	3/4	218.28	3/4	52.35	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	380.88	9	214.81	9	48.94	9		9		9		9		9		9		9	
1/4	377.53	1/4	211.35	1/4	45.52	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	374.17	1/2	207.88	1/2	42.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	370.71	3/4	204.42	3/4	38.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	367.24	10	200.95	10	35.74	10		10		10		10		10		10		10	
1/4	363.78	1/4	197.49	1/4	32.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	360.32	1/2	194.02	1/2	29.38	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	356.85	3/4	190.56	3/4	26.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	353.39	11	187.10	11	24.17	11		11		11		11		11		11		11	
1/4	349.92	1/4	183.63	1/4	21.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	346.46	1/2	180.17	1/2	18.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	342.99	3/4	176.70	3/4	16.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

6 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	488.42	0	329.92	0	163.12	0		0		0		0		0		0		0	
1/4	485.19	1/4	326.45	1/4	159.64	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	481.95	1/2	322.97	1/2	156.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	478.72	3/4	319.50	3/4	152.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	475.48	1	316.02	1	149.22	1		1		1		1		1		1		1	
1/4	472.25	1/4	312.55	1/4	145.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	469.02	1/2	309.07	1/2	142.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	465.78	3/4	305.60	3/4	138.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	462.55	2	302.12	2	135.32	2		2		2		2		2		2		2	
1/4	459.31	1/4	298.65	1/4	131.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	456.08	1/2	295.17	1/2	128.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	452.85	3/4	291.70	3/4	124.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	449.61	3	288.22	3	121.42	3		3		3		3		3		3		3	
1/4	446.38	1/4	284.75	1/4	117.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	443.14	1/2	281.27	1/2	114.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	439.91	3/4	277.80	3/4	111.01	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	436.68	4	274.32	4	107.54	4		4		4		4		4		4		4	
1/4	433.44	1/4	270.85	1/4	104.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	430.21	1/2	267.37	1/2	100.61	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	426.97	3/4	263.90	3/4	97.14	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	423.74	5	260.42	5	93.68	5		5		5		5		5		5		5	
1/4	420.51	1/4	256.95	1/4	90.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	417.27	1/2	253.47	1/2	86.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	414.04	3/4	249.99	3/4	83.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	410.77	6	246.52	6	79.85	6		6		6		6		6		6		6	
1/4	407.51	1/4	243.04	1/4	76.40	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	404.24	1/2	239.57	1/2	72.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	400.97	3/4	236.09	3/4	69.50	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	397.70	7	232.62	7	66.06	7		7		7		7		7		7		7	
1/4	394.42	1/4	229.14	1/4	62.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	391.14	1/2	225.67	1/2	59.19	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	387.87	3/4	222.19	3/4	55.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	384.58	8	218.72	8	52.34	8		8		8		8		8		8		8	
1/4	381.29	1/4	215.24	1/4	48.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	378.00	1/2	211.77	1/2	45.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	374.71	3/4	208.29	3/4	42.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	371.29	9	204.82	9	38.91	9		9		9		9		9		9		9	
1/4	367.86	1/4	201.34	1/4	35.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	364.43	1/2	197.87	1/2	32.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	361.01	3/4	194.39	3/4	29.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	357.58	10	190.92	10	26.77	10		10		10		10		10		10		10	
1/4	354.15	1/4	187.44	1/4	24.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	350.73	1/2	183.97	1/2	21.55	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	347.30	3/4	180.49	3/4	18.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	343.82	11	177.02	11	16.92	11		11		11		11		11		11		11	
1/4	340.35	1/4	173.54	1/4	14.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	336.87	1/2	170.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	333.40	3/4	166.59	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
4 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
4 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
5 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
5 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
6 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
6 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 222'-09"

May 15, 2007

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

<http://www.pmacorp.net>



BARGE "405"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	1,647.53	0	1,831.62	0		0		0		0		0		0		0		0	
1/4	1,650.94	1/4	1,836.21	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,654.36	1/2	1,840.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,657.78	3/4	1,845.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,661.19	1	1,850.00	1		1		1		1		1		1		1		1	
1/4	1,664.61	1/4	1,854.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,668.03	1/2	1,859.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,671.44	3/4	1,863.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,674.86	2	1,868.22	2		2		2		2		2		2		2		2	
1/4	1,678.27	1/4	1,872.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,681.69	1/2	1,876.77	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,685.11	3/4	1,881.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,688.52	3	1,885.32	3		3		3		3		3		3		3		3	
1/4	1,691.94	1/4	1,889.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,695.36	1/2	1,892.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,698.77	3/4	1,896.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,702.19	4	1,900.30	4		4		4		4		4		4		4		4	
1/4	1,705.61	1/4	1,903.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,709.02	1/2	1,906.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,712.44	3/4	1,909.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,715.85	5	1,913.05	5		5		5		5		5		5		5		5	
1/4	1,719.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,722.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,726.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,729.52	6		6		6		6		6		6		6		6		6	
1/4	1,732.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,736.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,739.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,743.18	7		7		7		7		7		7		7		7		7	
1/4	1,746.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,750.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,754.41	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,758.15	8		8		8		8		8		8		8		8		8	
1/4	1,762.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,766.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,771.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,775.72	9		9		9		9		9		9		9		9		9	
1/4	1,780.41	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,785.10	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,789.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,794.48	10		10		10		10		10		10		10		10		10	
1/4	1,799.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,803.79	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,808.44	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,813.10	11		11		11		11		11		11		11		11		11	
1/4	1,817.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,822.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,826.99	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	1,647.96	0	1,832.10	0		0		0		0		0		0		0		0	
1/4	1,651.38	1/4	1,836.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,654.80	1/2	1,841.29	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,658.21	3/4	1,845.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,661.63	1	1,850.48	1		1		1		1		1		1		1		1	
1/4	1,665.05	1/4	1,855.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,668.47	1/2	1,859.59	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,671.88	3/4	1,864.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,675.30	2	1,868.70	2		2		2		2		2		2		2		2	
1/4	1,678.72	1/4	1,872.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,682.13	1/2	1,877.25	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,685.55	3/4	1,881.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,688.97	3	1,885.81	3		3		3		3		3		3		3		3	
1/4	1,692.39	1/4	1,889.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,695.80	1/2	1,893.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,699.22	3/4	1,897.05	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,702.64	4	1,900.80	4		4		4		4		4		4		4		4	
1/4	1,706.05	1/4	1,903.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,709.47	1/2	1,907.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,712.89	3/4	1,910.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,716.31	5	1,913.55	5		5		5		5		5		5		5		5	
1/4	1,719.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,723.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,726.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,729.97	6		6		6		6		6		6		6		6		6	
1/4	1,733.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,736.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,740.23	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,743.64	7		7		7		7		7		7		7		7		7	
1/4	1,747.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,751.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,754.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,758.62	8		8		8		8		8		8		8		8		8	
1/4	1,763.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,767.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,771.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,776.18	9		9		9		9		9		9		9		9		9	
1/4	1,780.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,785.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,790.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,794.95	10		10		10		10		10		10		10		10		10	
1/4	1,799.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,804.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,808.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,813.57	11		11		11		11		11		11		11		11		11	
1/4	1,818.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,822.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,827.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-00"

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	14.79	0	172.32	0	337.96	0	502.18	0	667.06	0	832.69	0	998.33	0	1,163.96	0	1,329.59	0	1,495.23
1/4	17.09	1/4	175.78	1/4	341.41	1/4	505.58	1/4	670.51	1/4	836.14	1/4	1,001.78	1/4	1,167.41	1/4	1,333.04	1/4	1,498.68
1/2	19.39	1/2	179.23	1/2	344.86	1/2	508.97	1/2	673.96	1/2	839.59	1/2	1,005.23	1/2	1,170.86	1/2	1,336.49	1/2	1,502.13
3/4	21.69	3/4	182.68	3/4	348.31	3/4	512.37	3/4	677.41	3/4	843.04	3/4	1,008.68	3/4	1,174.31	3/4	1,339.95	3/4	1,505.58
1	23.99	1	186.13	1	351.76	1	515.76	1	680.86	1	846.50	1	1,012.13	1	1,177.76	1	1,343.40	1	1,509.03
1/4	26.87	1/4	189.58	1/4	355.21	1/4	519.16	1/4	684.31	1/4	849.95	1/4	1,015.58	1/4	1,181.21	1/4	1,346.85	1/4	1,512.48
1/2	29.74	1/2	193.03	1/2	358.66	1/2	522.56	1/2	687.76	1/2	853.40	1/2	1,019.03	1/2	1,184.66	1/2	1,350.30	1/2	1,515.93
3/4	32.61	3/4	196.48	3/4	362.11	3/4	525.95	3/4	691.21	3/4	856.85	3/4	1,022.48	3/4	1,188.11	3/4	1,353.75	3/4	1,519.38
2	35.48	2	199.93	2	365.56	2	529.35	2	694.66	2	860.30	2	1,025.93	2	1,191.57	2	1,357.20	2	1,522.83
1/4	38.76	1/4	203.38	1/4	369.01	1/4	532.75	1/4	698.12	1/4	863.75	1/4	1,029.38	1/4	1,195.02	1/4	1,360.65	1/4	1,526.28
1/2	42.03	1/2	206.83	1/2	372.47	1/2	536.14	1/2	701.57	1/2	867.20	1/2	1,032.83	1/2	1,198.47	1/2	1,364.10	1/2	1,529.73
3/4	45.31	3/4	210.28	3/4	375.92	3/4	539.54	3/4	705.02	3/4	870.65	3/4	1,036.28	3/4	1,201.92	3/4	1,367.55	3/4	1,533.18
3	48.58	3	213.73	3	379.37	3	542.94	3	708.47	3	874.10	3	1,039.73	3	1,205.37	3	1,371.00	3	1,536.64
1/4	51.98	1/4	217.18	1/4	382.82	1/4	546.36	1/4	711.92	1/4	877.55	1/4	1,043.19	1/4	1,208.82	1/4	1,374.45	1/4	1,540.09
1/2	55.39	1/2	220.63	1/2	386.27	1/2	549.78	1/2	715.37	1/2	881.00	1/2	1,046.64	1/2	1,212.27	1/2	1,377.90	1/2	1,543.54
3/4	58.79	3/4	224.09	3/4	389.72	3/4	553.21	3/4	718.82	3/4	884.45	3/4	1,050.09	3/4	1,215.72	3/4	1,381.35	3/4	1,546.99
4	62.19	4	227.54	4	393.17	4	556.63	4	722.27	4	887.90	4	1,053.54	4	1,219.17	4	1,384.80	4	1,550.44
1/4	65.61	1/4	230.99	1/4	396.62	1/4	560.08	1/4	725.72	1/4	891.35	1/4	1,056.99	1/4	1,222.62	1/4	1,388.26	1/4	1,553.89
1/2	69.03	1/2	234.44	1/2	400.07	1/2	563.53	1/2	729.17	1/2	894.81	1/2	1,060.44	1/2	1,226.07	1/2	1,391.71	1/2	1,557.34
3/4	72.45	3/4	237.89	3/4	403.52	3/4	566.98	3/4	732.62	3/4	898.26	3/4	1,063.89	3/4	1,229.52	3/4	1,395.16	3/4	1,560.79
5	75.87	5	241.34	5	406.97	5	570.44	5	736.07	5	901.71	5	1,067.34	5	1,232.97	5	1,398.61	5	1,564.24
1/4	79.30	1/4	244.79	1/4	410.40	1/4	573.89	1/4	739.52	1/4	905.16	1/4	1,070.79	1/4	1,236.42	1/4	1,402.06	1/4	1,567.69
1/2	82.73	1/2	248.24	1/2	413.82	1/2	577.34	1/2	742.97	1/2	908.61	1/2	1,074.24	1/2	1,239.88	1/2	1,405.51	1/2	1,571.14
3/4	86.16	3/4	251.69	3/4	417.24	3/4	580.79	3/4	746.43	3/4	912.06	3/4	1,077.69	3/4	1,243.33	3/4	1,408.96	3/4	1,574.59
6	89.59	6	255.14	6	420.67	6	584.24	6	749.88	6	915.51	6	1,081.14	6	1,246.78	6	1,412.41	6	1,578.04
1/4	93.03	1/4	258.59	1/4	424.06	1/4	587.69	1/4	753.33	1/4	918.96	1/4	1,084.59	1/4	1,250.23	1/4	1,415.86	1/4	1,581.49
1/2	96.47	1/2	262.04	1/2	427.46	1/2	591.14	1/2	756.78	1/2	922.41	1/2	1,088.04	1/2	1,253.68	1/2	1,419.31	1/2	1,584.95
3/4	99.91	3/4	265.49	3/4	430.85	3/4	594.59	3/4	760.23	3/4	925.86	3/4	1,091.50	3/4	1,257.13	3/4	1,422.76	3/4	1,588.40
7	103.35	7	268.94	7	434.25	7	598.04	7	763.68	7	929.31	7	1,094.95	7	1,260.58	7	1,426.21	7	1,591.85
1/4	106.79	1/4	272.40	1/4	437.65	1/4	601.49	1/4	767.13	1/4	932.76	1/4	1,098.40	1/4	1,264.03	1/4	1,429.66	1/4	1,595.30
1/2	110.23	1/2	275.85	1/2	441.04	1/2	604.95	1/2	770.58	1/2	936.21	1/2	1,101.85	1/2	1,267.48	1/2	1,433.11	1/2	1,598.75
3/4	113.68	3/4	279.30	3/4	444.44	3/4	608.40	3/4	774.03	3/4	939.66	3/4	1,105.30	3/4	1,270.93	3/4	1,436.57	3/4	1,602.20
8	117.12	8	282.75	8	447.84	8	611.85	8	777.48	8	943.12	8	1,108.75	8	1,274.38	8	1,440.02	8	1,605.65
1/4	120.57	1/4	286.20	1/4	451.23	1/4	615.30	1/4	780.93	1/4	946.57	1/4	1,112.20	1/4	1,277.83	1/4	1,443.47	1/4	1,609.10
1/2	124.02	1/2	289.65	1/2	454.63	1/2	618.75	1/2	784.38	1/2	950.02	1/2	1,115.65	1/2	1,281.28	1/2	1,446.92	1/2	1,612.55
3/4	127.47	3/4	293.10	3/4	458.03	3/4	622.20	3/4	787.83	3/4	953.47	3/4	1,119.10	3/4	1,284.73	3/4	1,450.37	3/4	1,616.00
9	130.92	9	296.55	9	461.42	9	625.65	9	791.28	9	956.92	9	1,122.55	9	1,288.19	9	1,453.82	9	1,619.45
1/4	134.37	1/4	300.00	1/4	464.82	1/4	629.10	1/4	794.73	1/4	960.37	1/4	1,126.00	1/4	1,291.64	1/4	1,457.27	1/4	1,622.89
1/2	137.82	1/2	303.45	1/2	468.22	1/2	632.55	1/2	798.19	1/2	963.82	1/2	1,129.45	1/2	1,295.09	1/2	1,460.72	1/2	1,626.34
3/4	141.27	3/4	306.90	3/4	471.61	3/4	636.00	3/4	801.64	3/4	967.27	3/4	1,132.90	3/4	1,298.54	3/4	1,464.17	3/4	1,629.78
10	144.72	10	310.35	10	475.01	10	639.45	10	805.09	10	970.72	10	1,136.35	10	1,301.99	10	1,467.62	10	1,633.23
1/4	148.17	1/4	313.80	1/4	478.40	1/4	642.90	1/4	808.54	1/4	974.17	1/4	1,139.81	1/4	1,305.44	1/4	1,471.07	1/4	1,636.67
1/2	151.62	1/2	317.25	1/2	481.80	1/2	646.35	1/2	811.99	1/2	977.62	1/2	1,143.26	1/2	1,308.89	1/2	1,474.52	1/2	1,640.11
3/4	155.07	3/4	320.70	3/4	485.20	3/4	649.81	3/4	815.44	3/4	981.07	3/4	1,146.71	3/4	1,312.34	3/4	1,477.97	3/4	1,643.55
11	158.52	11	324.16	11	488.59	11	653.26	11	818.89	11	984.52	11	1,150.16	11	1,315.79	11	1,481.42	11	1,646.99
1/4	161.97	1/4	327.61	1/4	491.99	1/4	656.71	1/4	822.34	1/4	987.97	1/4	1,153.61	1/4	1,319.24	1/4	1,484.88	1/4	1,650.43
1/2	165.42	1/2	331.06	1/2	495.39	1/2	660.16	1/2	825.79	1/2	991.42	1/2	1,157.06	1/2	1,322.69	1/2	1,488.33	1/2	1,653.88
3/4	168.87	3/4	334.51	3/4	498.78	3/4	663.61	3/4	829.24	3/4	994.88	3/4	1,160.51	3/4	1,326.14	3/4	1,491.78	3/4	1,657.32

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "405"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 13'-00"

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	1,660.76	0	1,825.59	0		0		0		0		0		0		0		0	
1/4	1,664.20	1/4	1,829.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,667.64	1/2	1,832.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,671.09	3/4	1,835.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,674.53	1	1,839.21	1		1		1		1		1		1		1		1	
1/4	1,677.97	1/4	1,842.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,681.41	1/2	1,846.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,684.85	3/4	1,849.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,688.29	2	1,852.83	2		2		2		2		2		2		2		2	
1/4	1,691.74	1/4	1,856.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,695.18	1/2	1,859.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,698.62	3/4	1,862.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,702.06	3	1,865.54	3		3		3		3		3		3		3		3	
1/4	1,705.50	1/4	1,868.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,708.94	1/2	1,870.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,712.39	3/4	1,873.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,715.83	4	1,876.34	4		4		4		4		4		4		4		4	
1/4	1,719.27	1/4	1,878.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,722.71	1/2	1,880.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,726.15	3/4	1,882.97	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,729.59	5	1,885.18	5		5		5		5		5		5		5		5	
1/4	1,733.04	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,736.48	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,739.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,743.36	6		6		6		6		6		6		6		6		6	
1/4	1,746.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,750.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,753.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,757.13	7		7		7		7		7		7		7		7		7	
1/4	1,760.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,764.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,767.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,770.89	8		8		8		8		8		8		8		8		8	
1/4	1,774.34	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,777.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,781.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,784.66	9		9		9		9		9		9		9		9		9	
1/4	1,788.08	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,791.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,794.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,798.35	10		10		10		10		10		10		10		10		10	
1/4	1,801.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,805.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,808.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,811.97	11		11		11		11		11		11		11		11		11	
1/4	1,815.38	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,818.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,822.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	1,661.19	0	1,826.07	0		0		0		0		0		0		0		0	
1/4	1,664.64	1/4	1,829.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,668.08	1/2	1,832.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,671.52	3/4	1,836.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,674.96	1	1,839.69	1		1		1		1		1		1		1		1	
1/4	1,678.41	1/4	1,843.10	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,681.85	1/2	1,846.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,685.29	3/4	1,849.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,688.73	2	1,853.32	2		2		2		2		2		2		2		2	
1/4	1,692.18	1/4	1,856.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,695.62	1/2	1,859.67	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,699.06	3/4	1,862.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,702.50	3	1,866.03	3		3		3		3		3		3		3		3	
1/4	1,705.95	1/4	1,868.73	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,709.39	1/2	1,871.43	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,712.83	3/4	1,874.13	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,716.28	4	1,876.84	4		4		4		4		4		4		4		4	
1/4	1,719.72	1/4	1,879.05	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,723.16	1/2	1,881.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,726.60	3/4	1,883.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,730.05	5	1,885.68	5		5		5		5		5		5		5		5	
1/4	1,733.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,736.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,740.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,743.82	6		6		6		6		6		6		6		6		6	
1/4	1,747.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,750.70	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,754.14	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,757.59	7		7		7		7		7		7		7		7		7	
1/4	1,761.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,764.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,767.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,771.36	8		8		8		8		8		8		8		8		8	
1/4	1,774.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,778.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,781.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,785.13	9		9		9		9		9		9		9		9		9	
1/4	1,788.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,791.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,795.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,798.82	10		10		10		10		10		10		10		10		10	
1/4	1,802.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,805.63	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,809.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,812.45	11		11		11		11		11		11		11		11		11	
1/4	1,815.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,819.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,822.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	1,662.09	0	1,826.97	0		0		0		0		0		0		0		0	
1/4	1,665.53	1/4	1,830.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,668.98	1/2	1,833.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,672.42	3/4	1,837.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,675.86	1	1,840.59	1		1		1		1		1		1		1		1	
1/4	1,679.30	1/4	1,844.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,682.75	1/2	1,847.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,686.19	3/4	1,850.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,689.63	2	1,854.21	2		2		2		2		2		2		2		2	
1/4	1,693.08	1/4	1,857.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,696.52	1/2	1,860.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,699.96	3/4	1,863.75	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,703.40	3	1,866.92	3		3		3		3		3		3		3		3	
1/4	1,706.85	1/4	1,869.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,710.29	1/2	1,872.33	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,713.73	3/4	1,875.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,717.17	4	1,877.74	4		4		4		4		4		4		4		4	
1/4	1,720.62	1/4	1,879.95	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,724.06	1/2	1,882.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,727.50	3/4	1,884.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,730.94	5	1,886.58	5		5		5		5		5		5		5		5	
1/4	1,734.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,737.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,741.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,744.71	6		6		6		6		6		6		6		6		6	
1/4	1,748.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,751.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,755.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,758.48	7		7		7		7		7		7		7		7		7	
1/4	1,761.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,765.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,768.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,772.25	8		8		8		8		8		8		8		8		8	
1/4	1,775.70	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,779.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,782.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,786.03	9		9		9		9		9		9		9		9		9	
1/4	1,789.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,792.87	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,796.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,799.72	10		10		10		10		10		10		10		10		10	
1/4	1,803.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,806.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,809.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,813.34	11		11		11		11		11		11		11		11		11	
1/4	1,816.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,820.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,823.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	14.79	0	172.37	0	338.05	0	502.90	0	668.13	0	833.81	0	999.49	0	1,165.16	0	1,330.84	0	1,496.52
1/4	16.81	1/4	175.82	1/4	341.50	1/4	506.32	1/4	671.58	1/4	837.26	1/4	1,002.94	1/4	1,168.61	1/4	1,334.29	1/4	1,499.97
1/2	18.82	1/2	179.27	1/2	344.95	1/2	509.74	1/2	675.04	1/2	840.71	1/2	1,006.39	1/2	1,172.07	1/2	1,337.74	1/2	1,503.42
3/4	21.41	3/4	182.72	3/4	348.40	3/4	513.16	3/4	678.49	3/4	844.16	3/4	1,009.84	3/4	1,175.52	3/4	1,341.19	3/4	1,506.87
1	24.00	1	186.18	1	351.85	1	516.58	1	681.94	1	847.62	1	1,013.29	1	1,178.97	1	1,344.65	1	1,510.32
1/4	26.59	1/4	189.63	1/4	355.30	1/4	520.00	1/4	685.39	1/4	851.07	1/4	1,016.74	1/4	1,182.42	1/4	1,348.10	1/4	1,513.77
1/2	29.18	1/2	193.08	1/2	358.76	1/2	523.42	1/2	688.84	1/2	854.52	1/2	1,020.20	1/2	1,185.87	1/2	1,351.55	1/2	1,517.23
3/4	32.33	3/4	196.53	3/4	362.21	3/4	526.84	3/4	692.29	3/4	857.97	3/4	1,023.65	3/4	1,189.32	3/4	1,355.00	3/4	1,520.68
2	35.49	2	199.98	2	365.66	2	530.25	2	695.74	2	861.42	2	1,027.10	2	1,192.78	2	1,358.45	2	1,524.13
1/4	38.65	1/4	203.43	1/4	369.11	1/4	533.67	1/4	699.20	1/4	864.87	1/4	1,030.55	1/4	1,196.23	1/4	1,361.90	1/4	1,527.58
1/2	41.81	1/2	206.89	1/2	372.56	1/2	537.09	1/2	702.65	1/2	868.32	1/2	1,034.00	1/2	1,199.68	1/2	1,365.36	1/2	1,531.03
3/4	45.20	3/4	210.34	3/4	376.01	3/4	540.51	3/4	706.10	3/4	871.78	3/4	1,037.45	3/4	1,203.13	3/4	1,368.81	3/4	1,534.48
3	48.59	3	213.79	3	379.47	3	543.93	3	709.55	3	875.23	3	1,040.90	3	1,206.58	3	1,372.26	3	1,537.94
1/4	51.99	1/4	217.24	1/4	382.92	1/4	547.35	1/4	713.00	1/4	878.68	1/4	1,044.36	1/4	1,210.03	1/4	1,375.71	1/4	1,541.39
1/2	55.38	1/2	220.69	1/2	386.37	1/2	550.77	1/2	716.45	1/2	882.13	1/2	1,047.81	1/2	1,213.48	1/2	1,379.16	1/2	1,544.84
3/4	58.79	3/4	224.14	3/4	389.82	3/4	554.23	3/4	719.91	3/4	885.58	3/4	1,051.26	3/4	1,216.94	3/4	1,382.61	3/4	1,548.29
4	62.21	4	227.60	4	393.27	4	557.68	4	723.36	4	889.03	4	1,054.71	4	1,220.39	4	1,386.06	4	1,551.74
1/4	65.62	1/4	231.05	1/4	396.72	1/4	561.13	1/4	726.81	1/4	892.49	1/4	1,058.16	1/4	1,223.84	1/4	1,389.52	1/4	1,555.19
1/2	69.03	1/2	234.50	1/2	400.18	1/2	564.58	1/2	730.26	1/2	895.94	1/2	1,061.61	1/2	1,227.29	1/2	1,392.97	1/2	1,558.64
3/4	72.46	3/4	237.95	3/4	403.63	3/4	568.03	3/4	733.71	3/4	899.39	3/4	1,065.07	3/4	1,230.74	3/4	1,396.42	3/4	1,562.10
5	75.89	5	241.40	5	407.08	5	571.48	5	737.16	5	902.84	5	1,068.52	5	1,234.19	5	1,399.87	5	1,565.55
1/4	79.31	1/4	244.85	1/4	410.53	1/4	574.94	1/4	740.62	1/4	906.29	1/4	1,071.97	1/4	1,237.65	1/4	1,403.32	1/4	1,569.00
1/2	82.74	1/2	248.30	1/2	413.98	1/2	578.39	1/2	744.07	1/2	909.74	1/2	1,075.42	1/2	1,241.10	1/2	1,406.77	1/2	1,572.45
3/4	86.18	3/4	251.76	3/4	417.40	3/4	581.84	3/4	747.52	3/4	913.20	3/4	1,078.87	3/4	1,244.55	3/4	1,410.23	3/4	1,575.90
6	89.61	6	255.21	6	420.82	6	585.29	6	750.97	6	916.65	6	1,082.32	6	1,248.00	6	1,413.68	6	1,579.35
1/4	93.05	1/4	258.66	1/4	424.24	1/4	588.74	1/4	754.42	1/4	920.10	1/4	1,085.78	1/4	1,251.45	1/4	1,417.13	1/4	1,582.81
1/2	96.49	1/2	262.11	1/2	427.66	1/2	592.20	1/2	757.87	1/2	923.55	1/2	1,089.23	1/2	1,254.90	1/2	1,420.58	1/2	1,586.26
3/4	99.93	3/4	265.56	3/4	431.08	3/4	595.65	3/4	761.33	3/4	927.00	3/4	1,092.68	3/4	1,258.36	3/4	1,424.03	3/4	1,589.71
7	103.37	7	269.01	7	434.50	7	599.10	7	764.78	7	930.45	7	1,096.13	7	1,261.81	7	1,427.48	7	1,593.16
1/4	106.82	1/4	272.47	1/4	437.92	1/4	602.55	1/4	768.23	1/4	933.91	1/4	1,099.58	1/4	1,265.26	1/4	1,430.94	1/4	1,596.61
1/2	110.26	1/2	275.92	1/2	441.34	1/2	606.00	1/2	771.68	1/2	937.36	1/2	1,103.03	1/2	1,268.71	1/2	1,434.39	1/2	1,600.06
3/4	113.71	3/4	279.37	3/4	444.76	3/4	609.45	3/4	775.13	3/4	940.81	3/4	1,106.49	3/4	1,272.16	3/4	1,437.84	3/4	1,603.52
8	117.15	8	282.82	8	448.18	8	612.91	8	778.58	8	944.26	8	1,109.94	8	1,275.61	8	1,441.29	8	1,606.97
1/4	120.60	1/4	286.27	1/4	451.60	1/4	616.36	1/4	782.03	1/4	947.71	1/4	1,113.39	1/4	1,279.07	1/4	1,444.74	1/4	1,610.42
1/2	124.05	1/2	289.72	1/2	455.02	1/2	619.81	1/2	785.49	1/2	951.16	1/2	1,116.84	1/2	1,282.52	1/2	1,448.19	1/2	1,613.87
3/4	127.50	3/4	293.18	3/4	458.44	3/4	623.26	3/4	788.94	3/4	954.61	3/4	1,120.29	3/4	1,285.97	3/4	1,451.65	3/4	1,617.32
9	130.95	9	296.63	9	461.86	9	626.71	9	792.39	9	958.07	9	1,123.74	9	1,289.42	9	1,455.10	9	1,620.77
1/4	134.40	1/4	300.08	1/4	465.28	1/4	630.16	1/4	795.84	1/4	961.52	1/4	1,127.19	1/4	1,292.87	1/4	1,458.55	1/4	1,624.22
1/2	137.85	1/2	303.53	1/2	468.70	1/2	633.62	1/2	799.29	1/2	964.97	1/2	1,130.65	1/2	1,296.32	1/2	1,462.00	1/2	1,627.67
3/4	141.30	3/4	306.98	3/4	472.12	3/4	637.07	3/4	802.74	3/4	968.42	3/4	1,134.10	3/4	1,299.77	3/4	1,465.45	3/4	1,631.11
10	144.76	10	310.43	10	475.54	10	640.52	10	806.20	10	971.87	10	1,137.55	10	1,303.23	10	1,468.90	10	1,634.55
1/4	148.21	1/4	313.89	1/4	478.96	1/4	643.97	1/4	809.65	1/4	975.32	1/4	1,141.00	1/4	1,306.68	1/4	1,472.35	1/4	1,637.99
1/2	151.66	1/2	317.34	1/2	482.38	1/2	647.42	1/2	813.10	1/2	978.78	1/2	1,144.45	1/2	1,310.13	1/2	1,475.81	1/2	1,641.44
3/4	155.11	3/4	320.79	3/4	485.80	3/4	650.87	3/4	816.55	3/4	982.23	3/4	1,147.90	3/4	1,313.58	3/4	1,479.26	3/4	1,644.88
11	158.56	11	324.24	11	489.22	11	654.33	11	820.00	11	985.68	11	1,151.36	11	1,317.03	11	1,482.71	11	1,648.32
1/4	162.01	1/4	327.69	1/4	492.64	1/4	657.78	1/4	823.45	1/4	989.13	1/4	1,154.81	1/4	1,320.48	1/4	1,486.16	1/4	1,651.76
1/2	165.47	1/2	331.14	1/2	496.06	1/2	661.23	1/2	826.91	1/2	992.58	1/2	1,158.26	1/2	1,323.94	1/2	1,489.61	1/2	1,655.21
3/4	168.92	3/4	334.59	3/4	499.48	3/4	664.68	3/4	830.36	3/4	996.03	3/4	1,161.71	3/4	1,327.39	3/4	1,493.06	3/4	1,658.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

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

P. Mac



BARGE "405"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	1,662.09	0	1,826.97	0		0		0		0		0		0		0		0	
1/4	1,665.53	1/4	1,830.37	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,668.98	1/2	1,833.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,672.42	3/4	1,837.18	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,675.86	1	1,840.59	1		1		1		1		1		1		1		1	
1/4	1,679.30	1/4	1,844.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,682.75	1/2	1,847.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,686.19	3/4	1,850.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,689.63	2	1,854.21	2		2		2		2		2		2		2		2	
1/4	1,693.08	1/4	1,857.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,696.52	1/2	1,861.02	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,699.96	3/4	1,863.97	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,703.40	3	1,866.92	3		3		3		3		3		3		3		3	
1/4	1,706.85	1/4	1,869.87	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,710.29	1/2	1,872.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,713.73	3/4	1,875.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,717.17	4	1,877.74	4		4		4		4		4		4		4		4	
1/4	1,720.62	1/4	1,880.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,724.06	1/2	1,882.65	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,727.50	3/4	1,884.61	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,730.94	5	1,886.58	5		5		5		5		5		5		5		5	
1/4	1,734.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,737.83	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,741.27	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,744.71	6		6		6		6		6		6		6		6		6	
1/4	1,748.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,751.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,755.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,758.48	7		7		7		7		7		7		7		7		7	
1/4	1,761.93	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,765.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,768.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,772.25	8		8		8		8		8		8		8		8		8	
1/4	1,775.70	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,779.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,782.58	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,786.03	9		9		9		9		9		9		9		9		9	
1/4	1,789.47	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,792.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,796.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,799.72	10		10		10		10		10		10		10		10		10	
1/4	1,803.13	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,806.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,809.94	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,813.34	11		11		11		11		11		11		11		11		11	
1/4	1,816.75	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,820.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,823.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

4 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	1,661.19	0	1,826.07	0		0		0		0		0		0		0		0	
1/4	1,664.64	1/4	1,829.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,668.08	1/2	1,832.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,671.52	3/4	1,836.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,674.96	1	1,839.69	1		1		1		1		1		1		1		1	
1/4	1,678.41	1/4	1,843.10	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,681.85	1/2	1,846.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,685.29	3/4	1,849.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,688.73	2	1,853.32	2		2		2		2		2		2		2		2	
1/4	1,692.18	1/4	1,856.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,695.62	1/2	1,860.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,699.06	3/4	1,863.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,702.50	3	1,866.03	3		3		3		3		3		3		3		3	
1/4	1,705.95	1/4	1,868.98	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,709.39	1/2	1,871.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,712.83	3/4	1,874.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,716.28	4	1,876.84	4		4		4		4		4		4		4		4	
1/4	1,719.72	1/4	1,879.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,723.16	1/2	1,881.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,726.60	3/4	1,883.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,730.05	5	1,885.68	5		5		5		5		5		5		5		5	
1/4	1,733.49	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,736.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,740.37	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,743.82	6		6		6		6		6		6		6		6		6	
1/4	1,747.26	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,750.70	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,754.14	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,757.59	7		7		7		7		7		7		7		7		7	
1/4	1,761.03	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,764.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,767.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,771.36	8		8		8		8		8		8		8		8		8	
1/4	1,774.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,778.24	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,781.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,785.13	9		9		9		9		9		9		9		9		9	
1/4	1,788.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,792.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,795.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,798.82	10		10		10		10		10		10		10		10		10	
1/4	1,802.23	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,805.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,809.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,812.45	11		11		11		11		11		11		11		11		11	
1/4	1,815.85	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,819.26	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,822.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

4 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.79	0	172.28	0	337.87	0	502.05	0	666.88	0	832.47	0	998.06	0	1,163.65	0	1,329.24	0	1,494.83
1/4	16.80	1/4	175.73	1/4	341.32	1/4	505.44	1/4	670.33	1/4	835.92	1/4	1,001.51	1/4	1,167.10	1/4	1,332.69	1/4	1,498.28
1/2	18.81	1/2	179.18	1/2	344.77	1/2	508.84	1/2	673.78	1/2	839.37	1/2	1,004.96	1/2	1,170.55	1/2	1,336.14	1/2	1,501.73
3/4	21.40	3/4	182.63	3/4	348.22	3/4	512.23	3/4	677.23	3/4	842.82	3/4	1,008.41	3/4	1,174.00	3/4	1,339.59	3/4	1,505.18
1	23.99	1	186.08	1	351.67	1	515.63	1	680.68	1	846.27	1	1,011.86	1	1,177.45	1	1,343.04	1	1,508.63
1/4	26.57	1/4	189.53	1/4	355.12	1/4	519.02	1/4	684.13	1/4	849.72	1/4	1,015.31	1/4	1,180.90	1/4	1,346.49	1/4	1,512.08
1/2	29.16	1/2	192.98	1/2	358.57	1/2	522.42	1/2	687.58	1/2	853.17	1/2	1,018.76	1/2	1,184.35	1/2	1,349.94	1/2	1,515.53
3/4	32.32	3/4	196.43	3/4	362.02	3/4	525.81	3/4	691.03	3/4	856.62	3/4	1,022.21	3/4	1,187.80	3/4	1,353.39	3/4	1,518.98
2	35.47	2	199.88	2	365.47	2	529.21	2	694.48	2	860.07	2	1,025.66	2	1,191.25	2	1,356.84	2	1,522.43
1/4	38.63	1/4	203.33	1/4	368.92	1/4	532.61	1/4	697.93	1/4	863.52	1/4	1,029.11	1/4	1,194.70	1/4	1,360.29	1/4	1,525.88
1/2	41.79	1/2	206.78	1/2	372.37	1/2	536.00	1/2	701.38	1/2	866.97	1/2	1,032.56	1/2	1,198.15	1/2	1,363.74	1/2	1,529.33
3/4	45.18	3/4	210.23	3/4	375.82	3/4	539.40	3/4	704.83	3/4	870.42	3/4	1,036.01	3/4	1,201.60	3/4	1,367.19	3/4	1,532.78
3	48.57	3	213.68	3	379.27	3	542.79	3	708.28	3	873.87	3	1,039.46	3	1,205.05	3	1,370.64	3	1,536.23
1/4	51.96	1/4	217.13	1/4	382.72	1/4	546.19	1/4	711.73	1/4	877.32	1/4	1,042.91	1/4	1,208.50	1/4	1,374.09	1/4	1,539.68
1/2	55.35	1/2	220.58	1/2	386.16	1/2	549.58	1/2	715.18	1/2	880.77	1/2	1,046.36	1/2	1,211.95	1/2	1,377.54	1/2	1,543.13
3/4	58.76	3/4	224.03	3/4	389.61	3/4	553.03	3/4	718.63	3/4	884.22	3/4	1,049.81	3/4	1,215.40	3/4	1,380.99	3/4	1,546.58
4	62.17	4	227.48	4	393.06	4	556.48	4	722.08	4	887.67	4	1,053.26	4	1,218.85	4	1,384.44	4	1,550.03
1/4	65.59	1/4	230.93	1/4	396.51	1/4	559.93	1/4	725.53	1/4	891.12	1/4	1,056.71	1/4	1,222.30	1/4	1,387.89	1/4	1,553.48
1/2	69.00	1/2	234.38	1/2	399.96	1/2	563.38	1/2	728.98	1/2	894.57	1/2	1,060.16	1/2	1,225.75	1/2	1,391.34	1/2	1,556.93
3/4	72.42	3/4	237.83	3/4	403.41	3/4	566.83	3/4	732.43	3/4	898.02	3/4	1,063.61	3/4	1,229.20	3/4	1,394.79	3/4	1,560.38
5	75.85	5	241.28	5	406.86	5	570.28	5	735.88	5	901.47	5	1,067.06	5	1,232.65	5	1,398.24	5	1,563.83
1/4	79.27	1/4	244.73	1/4	410.31	1/4	573.73	1/4	739.33	1/4	904.92	1/4	1,070.51	1/4	1,236.10	1/4	1,401.69	1/4	1,567.28
1/2	82.70	1/2	248.18	1/2	413.76	1/2	577.18	1/2	742.78	1/2	908.37	1/2	1,073.96	1/2	1,239.55	1/2	1,405.14	1/2	1,570.73
3/4	86.13	3/4	251.63	3/4	417.16	3/4	580.63	3/4	746.23	3/4	911.82	3/4	1,077.41	3/4	1,243.00	3/4	1,408.59	3/4	1,574.18
6	89.57	6	255.07	6	420.55	6	584.08	6	749.68	6	915.27	6	1,080.86	6	1,246.45	6	1,412.04	6	1,577.63
1/4	93.00	1/4	258.52	1/4	423.95	1/4	587.53	1/4	753.13	1/4	918.72	1/4	1,084.31	1/4	1,249.90	1/4	1,415.49	1/4	1,581.08
1/2	96.44	1/2	261.97	1/2	427.34	1/2	590.98	1/2	756.58	1/2	922.17	1/2	1,087.76	1/2	1,253.35	1/2	1,418.94	1/2	1,584.53
3/4	99.88	3/4	265.42	3/4	430.74	3/4	594.43	3/4	760.03	3/4	925.62	3/4	1,091.21	3/4	1,256.80	3/4	1,422.39	3/4	1,587.98
7	103.32	7	268.87	7	434.14	7	597.88	7	763.48	7	929.07	7	1,094.66	7	1,260.25	7	1,425.84	7	1,591.43
1/4	106.76	1/4	272.32	1/4	437.53	1/4	601.33	1/4	766.93	1/4	932.52	1/4	1,098.11	1/4	1,263.70	1/4	1,429.29	1/4	1,594.88
1/2	110.20	1/2	275.77	1/2	440.93	1/2	604.78	1/2	770.38	1/2	935.97	1/2	1,101.56	1/2	1,267.15	1/2	1,432.74	1/2	1,598.33
3/4	113.65	3/4	279.22	3/4	444.32	3/4	608.23	3/4	773.83	3/4	939.42	3/4	1,105.01	3/4	1,270.60	3/4	1,436.19	3/4	1,601.78
8	117.09	8	282.67	8	447.72	8	611.68	8	777.28	8	942.87	8	1,108.46	8	1,274.05	8	1,439.64	8	1,605.23
1/4	120.54	1/4	286.12	1/4	451.11	1/4	615.13	1/4	780.73	1/4	946.32	1/4	1,111.91	1/4	1,277.50	1/4	1,443.09	1/4	1,608.68
1/2	123.98	1/2	289.57	1/2	454.51	1/2	618.58	1/2	784.17	1/2	949.77	1/2	1,115.36	1/2	1,280.95	1/2	1,446.54	1/2	1,612.13
3/4	127.43	3/4	293.02	3/4	457.90	3/4	622.03	3/4	787.62	3/4	953.22	3/4	1,118.81	3/4	1,284.40	3/4	1,449.99	3/4	1,615.57
9	130.88	9	296.47	9	461.30	9	625.48	9	791.07	9	956.66	9	1,122.26	9	1,287.85	9	1,453.44	9	1,619.02
1/4	134.33	1/4	299.92	1/4	464.70	1/4	628.93	1/4	794.52	1/4	960.11	1/4	1,125.71	1/4	1,291.30	1/4	1,456.89	1/4	1,622.46
1/2	137.78	1/2	303.37	1/2	468.09	1/2	632.38	1/2	797.97	1/2	963.56	1/2	1,129.15	1/2	1,294.75	1/2	1,460.34	1/2	1,625.91
3/4	141.23	3/4	306.82	3/4	471.49	3/4	635.83	3/4	801.42	3/4	967.01	3/4	1,132.60	3/4	1,298.20	3/4	1,463.79	3/4	1,629.35
10	144.68	10	310.27	10	474.88	10	639.28	10	804.87	10	970.46	10	1,136.05	10	1,301.64	10	1,467.24	10	1,632.79
1/4	148.13	1/4	313.72	1/4	478.28	1/4	642.73	1/4	808.32	1/4	973.91	1/4	1,139.50	1/4	1,305.09	1/4	1,470.69	1/4	1,636.23
1/2	151.58	1/2	317.17	1/2	481.67	1/2	646.18	1/2	811.77	1/2	977.36	1/2	1,142.95	1/2	1,308.54	1/2	1,474.13	1/2	1,639.67
3/4	155.03	3/4	320.62	3/4	485.07	3/4	649.63	3/4	815.22	3/4	980.81	3/4	1,146.40	3/4	1,311.99	3/4	1,477.58	3/4	1,643.11
11	158.48	11	324.07	11	488.46	11	653.08	11	818.67	11	984.26	11	1,149.85	11	1,315.44	11	1,481.03	11	1,646.55
1/4	161.93	1/4	327.52	1/4	491.86	1/4	656.53	1/4	822.12	1/4	987.71	1/4	1,153.30	1/4	1,318.89	1/4	1,484.48	1/4	1,649.99
1/2	165.38	1/2	330.97	1/2	495.25	1/2	659.98	1/2	825.57	1/2	991.16	1/2	1,156.75	1/2	1,322.34	1/2	1,487.93	1/2	1,653.43
3/4	168.83	3/4	334.42	3/4	498.65	3/4	663.43	3/4	829.02	3/4	994.61	3/4	1,160.20	3/4	1,325.79	3/4	1,491.38	3/4	1,656.87

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "405"

4 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,660.32	0	1,825.10	0		0		0		0		0		0		0		0	
1/4	1,663.76	1/4	1,828.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,667.20	1/2	1,831.91	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,670.64	3/4	1,835.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,674.08	1	1,838.72	1		1		1		1		1		1		1		1	
1/4	1,677.52	1/4	1,842.12	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,680.96	1/2	1,845.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,684.40	3/4	1,848.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,687.84	2	1,852.33	2		2		2		2		2		2		2		2	
1/4	1,691.28	1/4	1,855.74	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,694.72	1/2	1,859.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,698.16	3/4	1,862.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,701.60	3	1,865.04	3		3		3		3		3		3		3		3	
1/4	1,705.05	1/4	1,867.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,708.49	1/2	1,870.94	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,711.93	3/4	1,873.40	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,715.37	4	1,875.85	4		4		4		4		4		4		4		4	
1/4	1,718.81	1/4	1,878.31	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,722.25	1/2	1,880.76	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,725.69	3/4	1,882.72	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,729.13	5	1,884.69	5		5		5		5		5		5		5		5	
1/4	1,732.57	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,736.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,739.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,742.89	6		6		6		6		6		6		6		6		6	
1/4	1,746.34	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,749.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,753.22	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,756.66	7		7		7		7		7		7		7		7		7	
1/4	1,760.10	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,763.54	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,766.98	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,770.42	8		8		8		8		8		8		8		8		8	
1/4	1,773.86	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,777.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,780.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,784.18	9		9		9		9		9		9		9		9		9	
1/4	1,787.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,791.07	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,794.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,797.87	10		10		10		10		10		10		10		10		10	
1/4	1,801.28	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,804.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,808.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,811.49	11		11		11		11		11		11		11		11		11	
1/4	1,814.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,818.30	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,821.70	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "405"

5 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-00 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	10.77	0	165.47	0	331.14	0	495.16	0	660.13	0	825.70	0	991.27	0	1,156.83	0	1,322.40	0	1,487.97
1/4	12.78	1/4	168.92	1/4	334.59	1/4	498.56	1/4	663.58	1/4	829.15	1/4	994.72	1/4	1,160.28	1/4	1,325.85	1/4	1,491.41
1/2	14.79	1/2	172.37	1/2	338.05	1/2	501.95	1/2	667.03	1/2	832.60	1/2	998.16	1/2	1,163.73	1/2	1,329.30	1/2	1,494.86
3/4	16.81	3/4	175.82	3/4	341.50	3/4	505.35	3/4	670.48	3/4	836.05	3/4	1,001.61	3/4	1,167.18	3/4	1,332.75	3/4	1,498.31
1	18.82	1	179.27	1	344.95	1	508.74	1	673.93	1	839.50	1	1,005.06	1	1,170.63	1	1,336.20	1	1,501.76
1/4	21.41	1/4	182.72	1/4	348.40	1/4	512.16	1/4	677.38	1/4	842.95	1/4	1,008.51	1/4	1,174.08	1/4	1,339.65	1/4	1,505.21
1/2	24.00	1/2	186.18	1/2	351.85	1/2	515.58	1/2	680.83	1/2	846.40	1/2	1,011.96	1/2	1,177.53	1/2	1,343.09	1/2	1,508.66
3/4	26.59	3/4	189.63	3/4	355.30	3/4	519.00	3/4	684.28	3/4	849.84	3/4	1,015.41	3/4	1,180.98	3/4	1,346.54	3/4	1,512.11
2	29.18	2	193.08	2	358.76	2	522.41	2	687.73	2	853.29	2	1,018.86	2	1,184.43	2	1,349.99	2	1,515.56
1/4	32.33	1/4	196.53	1/4	362.21	1/4	525.83	1/4	691.18	1/4	856.74	1/4	1,022.31	1/4	1,187.88	1/4	1,353.44	1/4	1,519.01
1/2	35.49	1/2	199.98	1/2	365.66	1/2	529.25	1/2	694.63	1/2	860.19	1/2	1,025.76	1/2	1,191.33	1/2	1,356.89	1/2	1,522.46
3/4	38.65	3/4	203.43	3/4	369.11	3/4	532.66	3/4	698.08	3/4	863.64	3/4	1,029.21	3/4	1,194.77	3/4	1,360.34	3/4	1,525.91
3	41.81	3	206.89	3	372.56	3	536.08	3	701.52	3	867.09	3	1,032.66	3	1,198.22	3	1,363.79	3	1,529.36
1/4	45.20	1/4	210.34	1/4	375.99	1/4	539.50	1/4	704.97	1/4	870.54	1/4	1,036.11	1/4	1,201.67	1/4	1,367.24	1/4	1,532.81
1/2	48.59	1/2	213.79	1/2	379.42	1/2	542.92	1/2	708.42	1/2	873.99	1/2	1,039.56	1/2	1,205.12	1/2	1,370.69	1/2	1,536.26
3/4	51.99	3/4	217.24	3/4	382.84	3/4	546.33	3/4	711.87	3/4	877.44	3/4	1,043.01	3/4	1,208.57	3/4	1,374.14	3/4	1,539.70
4	55.38	4	220.69	4	386.27	4	549.75	4	715.32	4	880.89	4	1,046.45	4	1,212.02	4	1,377.59	4	1,543.15
1/4	58.79	1/4	224.14	1/4	389.70	1/4	553.20	1/4	718.77	1/4	884.34	1/4	1,049.90	1/4	1,215.47	1/4	1,381.04	1/4	1,546.60
1/2	62.21	1/2	227.60	1/2	393.12	1/2	556.65	1/2	722.22	1/2	887.79	1/2	1,053.35	1/2	1,218.92	1/2	1,384.49	1/2	1,550.05
3/4	65.62	3/4	231.05	3/4	396.55	3/4	560.10	3/4	725.67	3/4	891.24	3/4	1,056.80	3/4	1,222.37	3/4	1,387.94	3/4	1,553.50
5	69.03	5	234.50	5	399.98	5	563.55	5	729.12	5	894.69	5	1,060.25	5	1,225.82	5	1,391.38	5	1,556.95
1/4	72.46	1/4	237.95	1/4	403.40	1/4	567.00	1/4	732.57	1/4	898.13	1/4	1,063.70	1/4	1,229.27	1/4	1,394.83	1/4	1,560.40
1/2	75.89	1/2	241.40	1/2	406.83	1/2	570.45	1/2	736.02	1/2	901.58	1/2	1,067.15	1/2	1,232.72	1/2	1,398.28	1/2	1,563.85
3/4	79.31	3/4	244.85	3/4	410.26	3/4	573.90	3/4	739.47	3/4	905.03	3/4	1,070.60	3/4	1,236.17	3/4	1,401.73	3/4	1,567.30
6	82.74	6	248.30	6	413.68	6	577.35	6	742.92	6	908.48	6	1,074.05	6	1,239.62	6	1,405.18	6	1,570.75
1/4	86.18	1/4	251.76	1/4	417.08	1/4	580.80	1/4	746.37	1/4	911.93	1/4	1,077.50	1/4	1,243.07	1/4	1,408.63	1/4	1,574.20
1/2	89.61	1/2	255.21	1/2	420.47	1/2	584.25	1/2	749.82	1/2	915.38	1/2	1,080.95	1/2	1,246.51	1/2	1,412.08	1/2	1,577.65
3/4	93.05	3/4	258.66	3/4	423.87	3/4	587.70	3/4	753.26	3/4	918.83	3/4	1,084.40	3/4	1,249.96	3/4	1,415.53	3/4	1,581.10
7	96.49	7	262.11	7	427.26	7	591.15	7	756.71	7	922.28	7	1,087.85	7	1,253.41	7	1,418.98	7	1,584.55
1/4	99.93	1/4	265.56	1/4	430.66	1/4	594.60	1/4	760.16	1/4	925.73	1/4	1,091.30	1/4	1,256.86	1/4	1,422.43	1/4	1,588.00
1/2	103.37	1/2	269.01	1/2	434.05	1/2	598.04	1/2	763.61	1/2	929.18	1/2	1,094.75	1/2	1,260.31	1/2	1,425.88	1/2	1,591.44
3/4	106.82	3/4	272.47	3/4	437.45	3/4	601.49	3/4	767.06	3/4	932.63	3/4	1,098.19	3/4	1,263.76	3/4	1,429.33	3/4	1,594.89
8	110.26	8	275.92	8	440.84	8	604.94	8	770.51	8	936.08	8	1,101.64	8	1,267.21	8	1,432.78	8	1,598.34
1/4	113.71	1/4	279.37	1/4	444.24	1/4	608.39	1/4	773.96	1/4	939.53	1/4	1,105.09	1/4	1,270.66	1/4	1,436.23	1/4	1,601.79
1/2	117.15	1/2	282.82	1/2	447.63	1/2	611.84	1/2	777.41	1/2	942.98	1/2	1,108.54	1/2	1,274.11	1/2	1,439.68	1/2	1,605.24
3/4	120.60	3/4	286.27	3/4	451.03	3/4	615.29	3/4	780.86	3/4	946.43	3/4	1,111.99	3/4	1,277.56	3/4	1,443.12	3/4	1,608.69
9	124.05	9	289.72	9	454.42	9	618.74	9	784.31	9	949.87	9	1,115.44	9	1,281.01	9	1,446.57	9	1,612.14
1/4	127.50	1/4	293.18	1/4	457.82	1/4	622.19	1/4	787.76	1/4	953.32	1/4	1,118.89	1/4	1,284.46	1/4	1,450.02	1/4	1,615.58
1/2	130.95	1/2	296.63	1/2	461.21	1/2	625.64	1/2	791.21	1/2	956.77	1/2	1,122.34	1/2	1,287.91	1/2	1,453.47	1/2	1,619.03
3/4	134.40	3/4	300.08	3/4	464.61	3/4	629.09	3/4	794.66	3/4	960.22	3/4	1,125.79	3/4	1,291.36	3/4	1,456.92	3/4	1,622.47
10	137.85	10	303.53	10	468.00	10	632.54	10	798.11	10	963.67	10	1,129.24	10	1,294.80	10	1,460.37	10	1,625.91
1/4	141.30	1/4	306.98	1/4	471.40	1/4	635.99	1/4	801.55	1/4	967.12	1/4	1,132.69	1/4	1,298.25	1/4	1,463.82	1/4	1,629.35
1/2	144.76	1/2	310.43	1/2	474.79	1/2	639.44	1/2	805.00	1/2	970.57	1/2	1,136.14	1/2	1,301.70	1/2	1,467.27	1/2	1,632.79
3/4	148.21	3/4	313.89	3/4	478.19	3/4	642.89	3/4	808.45	3/4	974.02	3/4	1,139.59	3/4	1,305.15	3/4	1,470.72	3/4	1,636.23
11	151.66	11	317.34	11	481.58	11	646.34	11	811.90	11	977.47	11	1,143.04	11	1,308.60	11	1,474.17	11	1,639.67
1/4	155.11	1/4	320.79	1/4	484.98	1/4	649.79	1/4	815.35	1/4	980.92	1/4	1,146.48	1/4	1,312.05	1/4	1,477.62	1/4	1,643.11
1/2	158.56	1/2	324.24	1/2	488.37	1/2	653.23	1/2	818.80	1/2	984.37	1/2	1,149.93	1/2	1,315.50	1/2	1,481.07	1/2	1,646.55
3/4	162.01	3/4	327.69	3/4	491.77	3/4	656.68	3/4	822.25	3/4	987.82	3/4	1,153.38	3/4	1,318.95	3/4	1,484.52	3/4	1,649.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "405"

5 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-00 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	1,653.43	0	1,818.27	0		0		0		0		0		0		0		0	
1/4	1,656.87	1/4	1,821.67	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,660.31	1/2	1,825.08	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,663.75	3/4	1,828.48	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,667.19	1	1,831.88	1		1		1		1		1		1		1		1	
1/4	1,670.64	1/4	1,835.29	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,674.08	1/2	1,838.69	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,677.52	3/4	1,842.09	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,680.96	2	1,845.50	2		2		2		2		2		2		2		2	
1/4	1,684.40	1/4	1,848.90	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,687.84	1/2	1,852.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,691.28	3/4	1,855.71	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,694.72	3	1,859.11	3		3		3		3		3		3		3		3	
1/4	1,698.16	1/4	1,862.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,701.60	1/2	1,865.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,705.04	3/4	1,867.95	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,708.48	4	1,870.90	4		4		4		4		4		4		4		4	
1/4	1,711.92	1/4	1,873.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,715.36	1/2	1,875.81	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,718.80	3/4	1,878.26	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,722.24	5	1,880.72	5		5		5		5		5		5		5		5	
1/4	1,725.68	1/4	1,882.68	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,729.12	1/2	1,884.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,732.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,736.00	6		6		6		6		6		6		6		6		6	
1/4	1,739.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,742.88	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,746.32	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,749.76	7		7		7		7		7		7		7		7		7	
1/4	1,753.20	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,756.64	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,760.08	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,763.52	8		8		8		8		8		8		8		8		8	
1/4	1,766.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,770.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,773.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,777.28	9		9		9		9		9		9		9		9		9	
1/4	1,780.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,784.16	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,787.60	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,791.04	10		10		10		10		10		10		10		10		10	
1/4	1,794.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,797.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,801.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,804.66	11		11		11		11		11		11		11		11		11	
1/4	1,808.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,811.46	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,814.87	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

5 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	14.80	0	172.41	0	338.13	0	502.08	0	667.21	0	832.82	0	998.43	0	1,164.04	0	1,329.64	0	1,495.25
1/4	16.81	1/4	175.87	1/4	341.59	1/4	505.48	1/4	670.66	1/4	836.27	1/4	1,001.88	1/4	1,167.49	1/4	1,333.10	1/4	1,498.70
1/2	18.83	1/2	179.32	1/2	345.04	1/2	508.88	1/2	674.11	1/2	839.72	1/2	1,005.33	1/2	1,170.94	1/2	1,336.55	1/2	1,502.15
3/4	21.42	3/4	182.77	3/4	348.49	3/4	512.29	3/4	677.56	3/4	843.17	3/4	1,008.78	3/4	1,174.39	3/4	1,340.00	3/4	1,505.61
1	24.00	1	186.22	1	351.94	1	515.71	1	681.01	1	846.62	1	1,012.23	1	1,177.84	1	1,343.45	1	1,509.06
1/4	26.59	1/4	189.68	1/4	355.40	1/4	519.13	1/4	684.46	1/4	850.07	1/4	1,015.68	1/4	1,181.29	1/4	1,346.90	1/4	1,512.51
1/2	29.18	1/2	193.13	1/2	358.85	1/2	522.55	1/2	687.91	1/2	853.52	1/2	1,019.13	1/2	1,184.74	1/2	1,350.35	1/2	1,515.96
3/4	32.34	3/4	196.58	3/4	362.30	3/4	525.97	3/4	691.36	3/4	856.97	3/4	1,022.58	3/4	1,188.19	3/4	1,353.80	3/4	1,519.41
2	35.50	2	200.03	2	365.75	2	529.39	2	694.81	2	860.42	2	1,026.03	2	1,191.64	2	1,357.25	2	1,522.86
1/4	38.66	1/4	203.49	1/4	369.21	1/4	532.80	1/4	698.26	1/4	863.87	1/4	1,029.48	1/4	1,195.09	1/4	1,360.70	1/4	1,526.31
1/2	41.82	1/2	206.94	1/2	372.66	1/2	536.22	1/2	701.71	1/2	867.32	1/2	1,032.93	1/2	1,198.54	1/2	1,364.15	1/2	1,529.76
3/4	45.21	3/4	210.39	3/4	376.09	3/4	539.64	3/4	705.16	3/4	870.77	3/4	1,036.38	3/4	1,201.99	3/4	1,367.60	3/4	1,533.21
3	48.61	3	213.84	3	379.51	3	543.06	3	708.61	3	874.22	3	1,039.83	3	1,205.44	3	1,371.05	3	1,536.66
1/4	52.00	1/4	217.30	1/4	382.94	1/4	546.48	1/4	712.06	1/4	877.67	1/4	1,043.28	1/4	1,208.89	1/4	1,374.50	1/4	1,540.11
1/2	55.39	1/2	220.75	1/2	386.37	1/2	549.90	1/2	715.51	1/2	881.12	1/2	1,046.73	1/2	1,212.34	1/2	1,377.95	1/2	1,543.56
3/4	58.81	3/4	224.20	3/4	389.80	3/4	553.35	3/4	718.96	3/4	884.57	3/4	1,050.18	3/4	1,215.79	3/4	1,381.40	3/4	1,547.01
4	62.22	4	227.65	4	393.23	4	556.80	4	722.41	4	888.02	4	1,053.63	4	1,219.24	4	1,384.85	4	1,550.46
1/4	65.64	1/4	231.11	1/4	396.65	1/4	560.25	1/4	725.86	1/4	891.47	1/4	1,057.08	1/4	1,222.69	1/4	1,388.30	1/4	1,553.91
1/2	69.05	1/2	234.56	1/2	400.08	1/2	563.70	1/2	729.31	1/2	894.92	1/2	1,060.53	1/2	1,226.14	1/2	1,391.75	1/2	1,557.36
3/4	72.48	3/4	238.01	3/4	403.51	3/4	567.15	3/4	732.76	3/4	898.37	3/4	1,063.98	3/4	1,229.59	3/4	1,395.20	3/4	1,560.81
5	75.91	5	241.46	5	406.94	5	570.60	5	736.21	5	901.82	5	1,067.43	5	1,233.04	5	1,398.65	5	1,564.26
1/4	79.33	1/4	244.92	1/4	410.36	1/4	574.05	1/4	739.66	1/4	905.27	1/4	1,070.88	1/4	1,236.49	1/4	1,402.10	1/4	1,567.71
1/2	82.76	1/2	248.37	1/2	413.79	1/2	577.50	1/2	743.11	1/2	908.72	1/2	1,074.33	1/2	1,239.94	1/2	1,405.55	1/2	1,571.16
3/4	86.20	3/4	251.82	3/4	417.19	3/4	580.95	3/4	746.56	3/4	912.17	3/4	1,077.78	3/4	1,243.39	3/4	1,409.00	3/4	1,574.61
6	89.64	6	255.27	6	420.58	6	584.40	6	750.01	6	915.62	6	1,081.23	6	1,246.84	6	1,412.45	6	1,578.06
1/4	93.07	1/4	258.73	1/4	423.98	1/4	587.85	1/4	753.46	1/4	919.07	1/4	1,084.68	1/4	1,250.29	1/4	1,415.90	1/4	1,581.51
1/2	96.51	1/2	262.18	1/2	427.37	1/2	591.30	1/2	756.91	1/2	922.52	1/2	1,088.13	1/2	1,253.74	1/2	1,419.35	1/2	1,584.96
3/4	99.96	3/4	265.63	3/4	430.77	3/4	594.75	3/4	760.36	3/4	925.97	3/4	1,091.58	3/4	1,257.19	3/4	1,422.80	3/4	1,588.41
7	103.40	7	269.08	7	434.17	7	598.20	7	763.81	7	929.42	7	1,095.03	7	1,260.64	7	1,426.25	7	1,591.86
1/4	106.84	1/4	272.54	1/4	437.56	1/4	601.65	1/4	767.26	1/4	932.87	1/4	1,098.48	1/4	1,264.09	1/4	1,429.70	1/4	1,595.31
1/2	110.29	1/2	275.99	1/2	440.96	1/2	605.10	1/2	770.71	1/2	936.32	1/2	1,101.93	1/2	1,267.54	1/2	1,433.15	1/2	1,598.76
3/4	113.74	3/4	279.44	3/4	444.35	3/4	608.55	3/4	774.16	3/4	939.77	3/4	1,105.38	3/4	1,270.99	3/4	1,436.60	3/4	1,602.21
8	117.18	8	282.89	8	447.75	8	612.00	8	777.61	8	943.22	8	1,108.83	8	1,274.44	8	1,440.05	8	1,605.66
1/4	120.63	1/4	286.35	1/4	451.15	1/4	615.45	1/4	781.06	1/4	946.67	1/4	1,112.28	1/4	1,277.89	1/4	1,443.50	1/4	1,609.11
1/2	124.08	1/2	289.80	1/2	454.54	1/2	618.90	1/2	784.51	1/2	950.12	1/2	1,115.73	1/2	1,281.34	1/2	1,446.95	1/2	1,612.56
3/4	127.53	3/4	293.25	3/4	457.94	3/4	622.35	3/4	787.96	3/4	953.57	3/4	1,119.18	3/4	1,284.79	3/4	1,450.40	3/4	1,616.01
9	130.99	9	296.70	9	461.33	9	625.80	9	791.41	9	957.02	9	1,122.63	9	1,288.24	9	1,453.85	9	1,619.45
1/4	134.44	1/4	300.16	1/4	464.73	1/4	629.25	1/4	794.86	1/4	960.47	1/4	1,126.08	1/4	1,291.69	1/4	1,457.30	1/4	1,622.89
1/2	137.89	1/2	303.61	1/2	468.13	1/2	632.70	1/2	798.31	1/2	963.92	1/2	1,129.53	1/2	1,295.14	1/2	1,460.75	1/2	1,626.34
3/4	141.34	3/4	307.06	3/4	471.52	3/4	636.15	3/4	801.76	3/4	967.37	3/4	1,132.98	3/4	1,298.59	3/4	1,464.20	3/4	1,629.78
10	144.79	10	310.51	10	474.92	10	639.60	10	805.21	10	970.82	10	1,136.43	10	1,302.04	10	1,467.65	10	1,633.22
1/4	148.25	1/4	313.97	1/4	478.31	1/4	643.06	1/4	808.66	1/4	974.27	1/4	1,139.88	1/4	1,305.49	1/4	1,471.10	1/4	1,636.66
1/2	151.70	1/2	317.42	1/2	481.71	1/2	646.51	1/2	812.11	1/2	977.72	1/2	1,143.33	1/2	1,308.94	1/2	1,474.55	1/2	1,640.10
3/4	155.15	3/4	320.87	3/4	485.10	3/4	649.96	3/4	815.57	3/4	981.17	3/4	1,146.78	3/4	1,312.39	3/4	1,478.00	3/4	1,643.54
11	158.60	11	324.32	11	488.50	11	653.41	11	819.02	11	984.62	11	1,150.23	11	1,315.84	11	1,481.45	11	1,646.98
1/4	162.06	1/4	327.78	1/4	491.90	1/4	656.86	1/4	822.47	1/4	988.08	1/4	1,153.68	1/4	1,319.29	1/4	1,484.90	1/4	1,650.43
1/2	165.51	1/2	331.23	1/2	495.29	1/2	660.31	1/2	825.92	1/2	991.53	1/2	1,157.13	1/2	1,322.74	1/2	1,488.35	1/2	1,653.87
3/4	168.96	3/4	334.68	3/4	498.69	3/4	663.76	3/4	829.37	3/4	994.98	3/4	1,160.59	3/4	1,326.19	3/4	1,491.80	3/4	1,657.31

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 18'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "405"

5 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,660.75	0	1,825.55	0		0		0		0		0		0		0		0	
1/4	1,664.19	1/4	1,828.96	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,667.63	1/2	1,832.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,671.07	3/4	1,835.77	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,674.51	1	1,839.17	1		1		1		1		1		1		1		1	
1/4	1,677.95	1/4	1,842.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,681.39	1/2	1,845.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,684.84	3/4	1,849.38	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,688.28	2	1,852.79	2		2		2		2		2		2		2		2	
1/4	1,691.72	1/4	1,856.19	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,695.16	1/2	1,859.60	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,698.60	3/4	1,862.55	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,702.04	3	1,865.49	3		3		3		3		3		3		3		3	
1/4	1,705.48	1/4	1,868.44	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,708.92	1/2	1,871.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,712.36	3/4	1,873.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,715.81	4	1,876.30	4		4		4		4		4		4		4		4	
1/4	1,719.25	1/4	1,878.76	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,722.69	1/2	1,881.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,726.13	3/4	1,883.17	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,729.57	5	1,885.13	5		5		5		5		5		5		5		5	
1/4	1,733.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,736.45	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,739.89	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,743.33	6		6		6		6		6		6		6		6		6	
1/4	1,746.78	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,750.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,753.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,757.10	7		7		7		7		7		7		7		7		7	
1/4	1,760.54	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,763.98	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,767.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,770.86	8		8		8		8		8		8		8		8		8	
1/4	1,774.30	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,777.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,781.19	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,784.63	9		9		9		9		9		9		9		9		9	
1/4	1,788.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,791.51	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,794.91	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,798.32	10		10		10		10		10		10		10		10		10	
1/4	1,801.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,805.13	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,808.53	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,811.94	11		11		11		11		11		11		11		11		11	
1/4	1,815.34	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,818.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,822.15	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

6 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-00 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	10.84	0	166.31	0	332.60	0	493.44	0	656.49	0	821.67	0	986.91	0	1,153.18	0	1,319.37	0	1,485.47
1/4	12.87	1/4	169.77	1/4	336.07	1/4	496.73	1/4	659.95	1/4	825.09	1/4	990.37	1/4	1,156.65	1/4	1,322.83	1/4	1,488.93
1/2	14.90	1/2	173.24	1/2	339.53	1/2	500.03	1/2	663.41	1/2	828.51	1/2	993.84	1/2	1,160.11	1/2	1,326.29	1/2	1,492.39
3/4	16.92	3/4	176.70	3/4	342.99	3/4	503.33	3/4	666.87	3/4	831.93	3/4	997.30	3/4	1,163.57	3/4	1,329.75	3/4	1,495.86
1	18.95	1	180.17	1	346.46	1	506.63	1	670.33	1	835.34	1	1,000.77	1	1,167.04	1	1,333.20	1	1,499.32
1/4	21.56	1/4	183.63	1/4	349.92	1/4	509.93	1/4	673.79	1/4	838.76	1/4	1,004.23	1/4	1,170.50	1/4	1,336.66	1/4	1,502.78
1/2	24.17	1/2	187.10	1/2	353.39	1/2	513.23	1/2	677.25	1/2	842.18	1/2	1,007.69	1/2	1,173.97	1/2	1,340.12	1/2	1,506.24
3/4	26.77	3/4	190.56	3/4	356.85	3/4	516.52	3/4	680.71	3/4	845.60	3/4	1,011.16	3/4	1,177.43	3/4	1,343.57	3/4	1,509.71
2	29.38	2	194.02	2	360.32	2	519.82	2	684.18	2	849.02	2	1,014.62	2	1,180.89	2	1,347.03	2	1,513.17
1/4	32.56	1/4	197.49	1/4	363.78	1/4	523.12	1/4	687.64	1/4	852.44	1/4	1,018.09	1/4	1,184.36	1/4	1,350.49	1/4	1,516.63
1/2	35.74	1/2	200.95	1/2	367.24	1/2	526.42	1/2	691.10	1/2	855.85	1/2	1,021.55	1/2	1,187.82	1/2	1,353.95	1/2	1,520.09
3/4	38.92	3/4	204.42	3/4	370.71	3/4	529.72	3/4	694.56	3/4	859.27	3/4	1,025.01	3/4	1,191.29	3/4	1,357.40	3/4	1,523.56
3	42.10	3	207.88	3	374.17	3	533.02	3	698.02	3	862.69	3	1,028.48	3	1,194.75	3	1,360.86	3	1,527.02
1/4	45.52	1/4	211.35	1/4	377.53	1/4	536.32	1/4	701.48	1/4	866.11	1/4	1,031.94	1/4	1,198.21	1/4	1,364.32	1/4	1,530.48
1/2	48.94	1/2	214.81	1/2	380.88	1/2	539.61	1/2	704.94	1/2	869.53	1/2	1,035.41	1/2	1,201.68	1/2	1,367.78	1/2	1,533.94
3/4	52.35	3/4	218.28	3/4	384.23	3/4	542.91	3/4	708.40	3/4	872.95	3/4	1,038.87	3/4	1,205.14	3/4	1,371.23	3/4	1,537.41
4	55.77	4	221.74	4	387.58	4	546.21	4	711.86	4	876.36	4	1,042.33	4	1,208.61	4	1,374.69	4	1,540.87
1/4	59.21	1/4	225.20	1/4	390.93	1/4	549.55	1/4	715.32	1/4	879.80	1/4	1,045.80	1/4	1,212.07	1/4	1,378.15	1/4	1,544.33
1/2	62.64	1/2	228.67	1/2	394.27	1/2	552.89	1/2	718.78	1/2	883.24	1/2	1,049.26	1/2	1,215.53	1/2	1,381.61	1/2	1,547.79
3/4	66.08	3/4	232.13	3/4	397.61	3/4	556.24	3/4	722.24	3/4	886.68	3/4	1,052.73	3/4	1,219.00	3/4	1,385.06	3/4	1,551.26
5	69.52	5	235.60	5	400.95	5	559.58	5	725.70	5	890.12	5	1,056.19	5	1,222.46	5	1,388.52	5	1,554.72
1/4	72.96	1/4	239.06	1/4	404.28	1/4	563.04	1/4	729.16	1/4	893.56	1/4	1,059.65	1/4	1,225.93	1/4	1,391.98	1/4	1,558.18
1/2	76.40	1/2	242.53	1/2	407.61	1/2	566.50	1/2	732.63	1/2	897.00	1/2	1,063.12	1/2	1,229.39	1/2	1,395.44	1/2	1,561.64
3/4	79.84	3/4	245.99	3/4	410.94	3/4	569.96	3/4	736.09	3/4	900.44	3/4	1,066.58	3/4	1,232.85	3/4	1,398.91	3/4	1,565.11
6	83.28	6	249.46	6	414.27	6	573.42	6	739.55	6	903.87	6	1,070.05	6	1,236.32	6	1,402.37	6	1,568.57
1/4	86.73	1/4	252.92	1/4	417.57	1/4	576.88	1/4	742.99	1/4	907.31	1/4	1,073.51	1/4	1,239.78	1/4	1,405.83	1/4	1,572.03
1/2	90.18	1/2	256.38	1/2	420.87	1/2	580.35	1/2	746.43	1/2	910.75	1/2	1,076.97	1/2	1,243.25	1/2	1,409.29	1/2	1,575.49
3/4	93.62	3/4	259.85	3/4	424.17	3/4	583.81	3/4	749.87	3/4	914.19	3/4	1,080.44	3/4	1,246.71	3/4	1,412.76	3/4	1,578.96
7	97.07	7	263.31	7	427.47	7	587.27	7	753.31	7	917.63	7	1,083.90	7	1,250.17	7	1,416.22	7	1,582.42
1/4	100.53	1/4	266.78	1/4	430.76	1/4	590.73	1/4	756.73	1/4	921.09	1/4	1,087.37	1/4	1,253.64	1/4	1,419.68	1/4	1,585.88
1/2	103.99	1/2	270.24	1/2	434.06	1/2	594.19	1/2	760.14	1/2	924.56	1/2	1,090.83	1/2	1,257.10	1/2	1,423.14	1/2	1,589.34
3/4	107.44	3/4	273.71	3/4	437.36	3/4	597.65	3/4	763.56	3/4	928.02	3/4	1,094.29	3/4	1,260.57	3/4	1,426.61	3/4	1,592.81
8	110.90	8	277.17	8	440.66	8	601.11	8	766.98	8	931.49	8	1,097.76	8	1,264.03	8	1,430.07	8	1,596.27
1/4	114.36	1/4	280.63	1/4	443.96	1/4	604.58	1/4	770.40	1/4	934.95	1/4	1,101.22	1/4	1,267.49	1/4	1,433.53	1/4	1,599.73
1/2	117.82	1/2	284.10	1/2	447.26	1/2	608.04	1/2	773.82	1/2	938.41	1/2	1,104.69	1/2	1,270.96	1/2	1,436.99	1/2	1,603.19
3/4	121.28	3/4	287.56	3/4	450.55	3/4	611.50	3/4	777.24	3/4	941.88	3/4	1,108.15	3/4	1,274.42	3/4	1,440.46	3/4	1,606.66
9	124.74	9	291.03	9	453.85	9	614.96	9	780.65	9	945.34	9	1,111.61	9	1,277.89	9	1,443.92	9	1,610.12
1/4	128.20	1/4	294.49	1/4	457.15	1/4	618.42	1/4	784.07	1/4	948.81	1/4	1,115.08	1/4	1,281.34	1/4	1,447.38	1/4	1,613.57
1/2	131.67	1/2	297.96	1/2	460.45	1/2	621.88	1/2	787.49	1/2	952.27	1/2	1,118.54	1/2	1,284.80	1/2	1,450.84	1/2	1,617.02
3/4	135.13	3/4	301.42	3/4	463.75	3/4	625.34	3/4	790.91	3/4	955.73	3/4	1,122.01	3/4	1,288.26	3/4	1,454.31	3/4	1,620.47
10	138.59	10	304.89	10	467.05	10	628.80	10	794.33	10	959.20	10	1,125.47	10	1,291.72	10	1,457.77	10	1,623.92
1/4	142.06	1/4	308.35	1/4	470.35	1/4	632.26	1/4	797.74	1/4	962.66	1/4	1,128.93	1/4	1,295.17	1/4	1,461.23	1/4	1,627.36
1/2	145.52	1/2	311.81	1/2	473.64	1/2	635.73	1/2	801.16	1/2	966.13	1/2	1,132.40	1/2	1,298.63	1/2	1,464.69	1/2	1,630.81
3/4	148.99	3/4	315.28	3/4	476.94	3/4	639.19	3/4	804.58	3/4	969.59	3/4	1,135.86	3/4	1,302.09	3/4	1,468.16	3/4	1,634.25
11	152.45	11	318.74	11	480.24	11	642.65	11	808.00	11	973.05	11	1,139.33	11	1,305.54	11	1,471.62	11	1,637.70
1/4	155.92	1/4	322.21	1/4	483.54	1/4	646.11	1/4	811.42	1/4	976.52	1/4	1,142.79	1/4	1,309.00	1/4	1,475.08	1/4	1,641.14
1/2	159.38	1/2	325.67	1/2	486.84	1/2	649.57	1/2	814.84	1/2	979.98	1/2	1,146.25	1/2	1,312.46	1/2	1,478.54	1/2	1,644.58
3/4	162.85	3/4	329.14	3/4	490.14	3/4	653.03	3/4	818.25	3/4	983.45	3/4	1,149.72	3/4	1,315.92	3/4	1,482.01	3/4	1,648.03

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-6" OFF CENTERLINE AND 20'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "405"

6 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 13'-00 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,651.47	0	1,816.22	0		0		0		0		0		0		0		0	
1/4	1,654.92	1/4	1,819.59	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,658.36	1/2	1,822.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,661.81	3/4	1,826.33	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,665.25	1	1,829.70	1		1		1		1		1		1		1		1	
1/4	1,668.69	1/4	1,833.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,672.14	1/2	1,836.44	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,675.58	3/4	1,839.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,679.03	2	1,843.18	2		2		2		2		2		2		2		2	
1/4	1,682.47	1/4	1,846.55	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,685.92	1/2	1,849.93	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,689.36	3/4	1,853.30	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,692.81	3	1,856.67	3		3		3		3		3		3		3		3	
1/4	1,696.25	1/4	1,859.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,699.69	1/2	1,862.56	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,703.14	3/4	1,865.51	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,706.58	4	1,868.46	4		4		4		4		4		4		4		4	
1/4	1,710.03	1/4	1,870.91	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,713.47	1/2	1,873.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,716.92	3/4	1,875.82	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,720.36	5	1,878.27	5		5		5		5		5		5		5		5	
1/4	1,723.81	1/4	1,880.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,727.25	1/2	1,882.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,730.69	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,734.14	6		6		6		6		6		6		6		6		6	
1/4	1,737.58	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,741.03	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,744.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,747.92	7		7		7		7		7		7		7		7		7	
1/4	1,751.36	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,754.80	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,758.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,761.69	8		8		8		8		8		8		8		8		8	
1/4	1,765.14	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,768.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,772.03	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,775.47	9		9		9		9		9		9		9		9		9	
1/4	1,778.92	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,782.36	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,785.80	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,789.25	10		10		10		10		10		10		10		10		10	
1/4	1,792.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,795.99	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,799.36	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,802.73	11		11		11		11		11		11		11		11		11	
1/4	1,806.10	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,809.47	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,812.85	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

6 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	14.89	0	173.54	0	340.35	0	498.12	0	661.71	0	826.55	0	992.68	0	1,159.11	0	1,325.54	0	1,491.96
1/4	16.92	1/4	177.02	1/4	343.82	1/4	501.36	1/4	665.18	1/4	829.96	1/4	996.15	1/4	1,162.58	1/4	1,329.00	1/4	1,495.43
1/2	18.95	1/2	180.49	1/2	347.30	1/2	504.59	1/2	668.65	1/2	833.38	1/2	999.62	1/2	1,166.04	1/2	1,332.47	1/2	1,498.90
3/4	21.55	3/4	183.97	3/4	350.73	3/4	507.89	3/4	672.12	3/4	836.80	3/4	1,003.09	3/4	1,169.51	3/4	1,335.94	3/4	1,502.36
1	24.16	1	187.44	1	354.15	1	511.20	1	675.59	1	840.22	1	1,006.55	1	1,172.98	1	1,339.40	1	1,505.83
1/4	26.77	1/4	190.92	1/4	357.58	1/4	514.50	1/4	679.06	1/4	843.64	1/4	1,010.02	1/4	1,176.45	1/4	1,342.87	1/4	1,509.30
1/2	29.37	1/2	194.39	1/2	361.01	1/2	517.80	1/2	682.53	1/2	847.06	1/2	1,013.49	1/2	1,179.91	1/2	1,346.34	1/2	1,512.76
3/4	32.55	3/4	197.87	3/4	364.43	3/4	521.11	3/4	686.00	3/4	850.53	3/4	1,016.96	3/4	1,183.38	3/4	1,349.81	3/4	1,516.23
2	35.73	2	201.34	2	367.86	2	524.41	2	689.47	2	854.00	2	1,020.42	2	1,186.85	2	1,353.27	2	1,519.70
1/4	38.91	1/4	204.82	1/4	371.29	1/4	527.71	1/4	692.94	1/4	857.46	1/4	1,023.89	1/4	1,190.32	1/4	1,356.74	1/4	1,523.17
1/2	42.09	1/2	208.29	1/2	374.71	1/2	531.02	1/2	696.40	1/2	860.93	1/2	1,027.36	1/2	1,193.78	1/2	1,360.21	1/2	1,526.63
3/4	45.51	3/4	211.77	3/4	378.00	3/4	534.32	3/4	699.87	3/4	864.40	3/4	1,030.82	3/4	1,197.25	3/4	1,363.68	3/4	1,530.10
3	48.92	3	215.24	3	381.29	3	537.63	3	703.34	3	867.87	3	1,034.29	3	1,200.72	3	1,367.14	3	1,533.57
1/4	52.34	1/4	218.72	1/4	384.58	1/4	540.93	1/4	706.81	1/4	871.33	1/4	1,037.76	1/4	1,204.18	1/4	1,370.61	1/4	1,537.04
1/2	55.75	1/2	222.19	1/2	387.87	1/2	544.23	1/2	710.28	1/2	874.80	1/2	1,041.23	1/2	1,207.65	1/2	1,374.08	1/2	1,540.50
3/4	59.19	3/4	225.67	3/4	391.14	3/4	547.58	3/4	713.70	3/4	878.27	3/4	1,044.69	3/4	1,211.12	3/4	1,377.54	3/4	1,543.97
4	62.63	4	229.14	4	394.42	4	550.93	4	717.12	4	881.73	4	1,048.16	4	1,214.59	4	1,381.01	4	1,547.44
1/4	66.06	1/4	232.62	1/4	397.70	1/4	554.27	1/4	720.54	1/4	885.20	1/4	1,051.63	1/4	1,218.05	1/4	1,384.48	1/4	1,550.90
1/2	69.50	1/2	236.09	1/2	400.97	1/2	557.62	1/2	723.96	1/2	888.67	1/2	1,055.09	1/2	1,221.52	1/2	1,387.95	1/2	1,554.37
3/4	72.95	3/4	239.57	3/4	404.24	3/4	561.09	3/4	727.38	3/4	892.14	3/4	1,058.56	3/4	1,224.99	3/4	1,391.41	3/4	1,557.84
5	76.40	5	243.04	5	407.51	5	564.56	5	730.80	5	895.60	5	1,062.03	5	1,228.45	5	1,394.88	5	1,561.31
1/4	79.85	1/4	246.52	1/4	410.77	1/4	568.03	1/4	734.22	1/4	899.07	1/4	1,065.50	1/4	1,231.92	1/4	1,398.35	1/4	1,564.77
1/2	83.30	1/2	249.99	1/2	414.04	1/2	571.50	1/2	737.64	1/2	902.54	1/2	1,068.96	1/2	1,235.39	1/2	1,401.81	1/2	1,568.24
3/4	86.76	3/4	253.47	3/4	417.27	3/4	574.97	3/4	741.06	3/4	906.00	3/4	1,072.43	3/4	1,238.86	3/4	1,405.28	3/4	1,571.71
6	90.22	6	256.95	6	420.51	6	578.44	6	744.48	6	909.47	6	1,075.90	6	1,242.32	6	1,408.75	6	1,575.17
1/4	93.68	1/4	260.42	1/4	423.74	1/4	581.91	1/4	747.90	1/4	912.94	1/4	1,079.36	1/4	1,245.79	1/4	1,412.22	1/4	1,578.64
1/2	97.14	1/2	263.90	1/2	426.97	1/2	585.38	1/2	751.32	1/2	916.41	1/2	1,082.83	1/2	1,249.26	1/2	1,415.68	1/2	1,582.11
3/4	100.61	3/4	267.37	3/4	430.21	3/4	588.85	3/4	754.74	3/4	919.87	3/4	1,086.30	3/4	1,252.72	3/4	1,419.15	3/4	1,585.58
7	104.07	7	270.85	7	433.44	7	592.32	7	758.16	7	923.34	7	1,089.77	7	1,256.19	7	1,422.62	7	1,589.04
1/4	107.54	1/4	274.32	1/4	436.68	1/4	595.79	1/4	761.58	1/4	926.81	1/4	1,093.23	1/4	1,259.66	1/4	1,426.08	1/4	1,592.51
1/2	111.01	1/2	277.80	1/2	439.91	1/2	599.26	1/2	764.99	1/2	930.28	1/2	1,096.70	1/2	1,263.13	1/2	1,429.55	1/2	1,595.98
3/4	114.48	3/4	281.27	3/4	443.14	3/4	602.73	3/4	768.41	3/4	933.74	3/4	1,100.17	3/4	1,266.59	3/4	1,433.02	3/4	1,599.44
8	117.95	8	284.75	8	446.38	8	606.20	8	771.83	8	937.21	8	1,103.64	8	1,270.06	8	1,436.49	8	1,602.91
1/4	121.42	1/4	288.22	1/4	449.61	1/4	609.67	1/4	775.25	1/4	940.68	1/4	1,107.10	1/4	1,273.53	1/4	1,439.95	1/4	1,606.38
1/2	124.89	1/2	291.70	1/2	452.85	1/2	613.14	1/2	778.67	1/2	944.14	1/2	1,110.57	1/2	1,277.00	1/2	1,443.42	1/2	1,609.85
3/4	128.37	3/4	295.17	3/4	456.08	3/4	616.61	3/4	782.09	3/4	947.61	3/4	1,114.04	3/4	1,280.46	3/4	1,446.89	3/4	1,613.31
9	131.84	9	298.65	9	459.31	9	620.08	9	785.51	9	951.08	9	1,117.50	9	1,283.93	9	1,450.36	9	1,616.77
1/4	135.32	1/4	302.12	1/4	462.55	1/4	623.54	1/4	788.93	1/4	954.55	1/4	1,120.97	1/4	1,287.40	1/4	1,453.82	1/4	1,620.23
1/2	138.79	1/2	305.60	1/2	465.78	1/2	627.01	1/2	792.35	1/2	958.01	1/2	1,124.44	1/2	1,290.86	1/2	1,457.29	1/2	1,623.69
3/4	142.27	3/4	309.07	3/4	469.02	3/4	630.48	3/4	795.77	3/4	961.48	3/4	1,127.91	3/4	1,294.33	3/4	1,460.76	3/4	1,627.15
10	145.74	10	312.55	10	472.25	10	633.95	10	799.19	10	964.95	10	1,131.37	10	1,297.80	10	1,464.22	10	1,630.61
1/4	149.22	1/4	316.02	1/4	475.48	1/4	637.42	1/4	802.61	1/4	968.41	1/4	1,134.84	1/4	1,301.27	1/4	1,467.69	1/4	1,634.07
1/2	152.69	1/2	319.50	1/2	478.72	1/2	640.89	1/2	806.03	1/2	971.88	1/2	1,138.31	1/2	1,304.73	1/2	1,471.16	1/2	1,637.52
3/4	156.17	3/4	322.97	3/4	481.95	3/4	644.36	3/4	809.45	3/4	975.35	3/4	1,141.77	3/4	1,308.20	3/4	1,474.63	3/4	1,640.98
11	159.64	11	326.45	11	485.19	11	647.83	11	812.87	11	978.82	11	1,145.24	11	1,311.67	11	1,478.09	11	1,644.44
1/4	163.12	1/4	329.92	1/4	488.42	1/4	651.30	1/4	816.29	1/4	982.28	1/4	1,148.71	1/4	1,315.13	1/4	1,481.56	1/4	1,647.90
1/2	166.59	1/2	333.40	1/2	491.65	1/2	654.77	1/2	819.71	1/2	985.75	1/2	1,152.18	1/2	1,318.60	1/2	1,485.03	1/2	1,651.36
3/4	170.07	3/4	336.87	3/4	494.89	3/4	658.24	3/4	823.13	3/4	989.22	3/4	1,155.64	3/4	1,322.07	3/4	1,488.49	3/4	1,654.81

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-6" OFF CENTERLINE AND 20'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "405"

6 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 12'-11 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	1,658.27	0	1,823.89	0		0		0		0		0		0		0		0	
1/4	1,661.73	1/4	1,827.32	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,665.19	1/2	1,830.74	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,668.65	3/4	1,834.16	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,672.10	1	1,837.58	1		1		1		1		1		1		1		1	
1/4	1,675.56	1/4	1,841.00	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,679.02	1/2	1,844.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,682.48	3/4	1,847.84	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,685.94	2	1,851.26	2		2		2		2		2		2		2		2	
1/4	1,689.39	1/4	1,854.69	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,692.85	1/2	1,858.11	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,696.31	3/4	1,861.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,699.77	3	1,864.03	3		3		3		3		3		3		3		3	
1/4	1,703.23	1/4	1,866.99	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,706.69	1/2	1,869.95	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,710.14	3/4	1,872.42	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,713.60	4	1,874.88	4		4		4		4		4		4		4		4	
1/4	1,717.06	1/4	1,877.35	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,720.52	1/2	1,879.82	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,723.98	3/4	1,881.78	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,727.43	5	1,883.75	5		5		5		5		5		5		5		5	
1/4	1,730.89	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,734.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,737.81	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,741.27	6		6		6		6		6		6		6		6		6	
1/4	1,744.72	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,748.18	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,751.64	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,755.10	7		7		7		7		7		7		7		7		7	
1/4	1,758.56	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,762.01	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,765.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,768.93	8		8		8		8		8		8		8		8		8	
1/4	1,772.39	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,775.85	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,779.31	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,782.76	9		9		9		9		9		9		9		9		9	
1/4	1,786.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,789.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,793.10	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,796.52	10		10		10		10		10		10		10		10		10	
1/4	1,799.94	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,803.37	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,806.79	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,810.21	11		11		11		11		11		11		11		11		11	
1/4	1,813.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,817.05	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,820.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/11/2007 CL - SW
CALCULATED: 05/14/2007 CL
PRINTED: 05/15/2007 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2007

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



BARGE "405"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 4'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	110	0	280	0	448	0		0		0		0		0		0	
1/4	1	1/4	113	1/4	283	1/4	451	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	116	1/2	287	1/2	454	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	119	3/4	291	3/4	457	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	123	1	294	1	460	1		1		1		1		1		1	
1/4	4	1/4	126	1/4	298	1/4	463	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	129	1/2	302	1/2	466	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	7	3/4	133	3/4	305	3/4	469	3/4		3/4		3/4		3/4		3/4		3/4	
2	8	2	136	2	309	2	472	2		2		2		2		2		2	
1/4	10	1/4	139	1/4	313	1/4	475	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	143	1/2	316	1/2	477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	13	3/4	146	3/4	320	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4	
3	15	3	150	3	324	3	483	3		3		3		3		3		3	
1/4	17	1/4	153	1/4	327	1/4	486	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	18	1/2	157	1/2	331	1/2	488	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	20	3/4	160	3/4	335	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
4	22	4	164	4	338	4	494	4		4		4		4		4		4	
1/4	25	1/4	167	1/4	342	1/4	496	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	27	1/2	171	1/2	345	1/2	499	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	29	3/4	174	3/4	349	3/4	501	3/4		3/4		3/4		3/4		3/4		3/4	
5	31	5	178	5	353	5	504	5		5		5		5		5		5	
1/4	33	1/4	181	1/4	356	1/4	506	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	36	1/2	185	1/2	360	1/2	509	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	38	3/4	188	3/4	363	3/4	511	3/4		3/4		3/4		3/4		3/4		3/4	
6	41	6	192	6	367	6	513	6		6		6		6		6		6	
1/4	43	1/4	195	1/4	370	1/4	516	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	46	1/2	199	1/2	374	1/2	518	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	48	3/4	203	3/4	377	3/4	520	3/4		3/4		3/4		3/4		3/4		3/4	
7	51	7	206	7	381	7	522	7		7		7		7		7		7	
1/4	53	1/4	210	1/4	384	1/4	524	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	214	1/2	388	1/2	526	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	59	3/4	217	3/4	391	3/4	528	3/4		3/4		3/4		3/4		3/4		3/4	
8	61	8	221	8	395	8	530	8		8		8		8		8		8	
1/4	64	1/4	224	1/4	398	1/4	532	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	67	1/2	228	1/2	402	1/2	533	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	70	3/4	232	3/4	405	3/4	535	3/4		3/4		3/4		3/4		3/4		3/4	
9	73	9	235	9	408	9	537	9		9		9		9		9		9	
1/4	76	1/4	239	1/4	412	1/4	538	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	79	1/2	243	1/2	415	1/2	539	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	82	3/4	246	3/4	418	3/4	540	3/4		3/4		3/4		3/4		3/4		3/4	
10	85	10	250	10	422	10	542	10		10		10		10		10		10	
1/4	88	1/4	254	1/4	425	1/4	542	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	91	1/2	258	1/2	428	1/2	543	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	94	3/4	261	3/4	432	3/4	544	3/4		3/4		3/4		3/4		3/4		3/4	
11	97	11	265	11	435	11	545	11		11		11		11		11		11	
1/4	100	1/4	269	1/4	438	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	103	1/2	272	1/2	441	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106	3/4	276	3/4	444	3/4		3/4		3/4		3/4		3/4		3/4		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 AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 08/24/2021 JS
 CALCULATED: 08/24/2021 CL
 PRINTED: 08/24/2021 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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