

BARGE "CBC 315"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"
AFT DRAFT = 6'-00"
DIFF. = 2'-00" (DOWN BY STERN)

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

March 5, 2013

LENGTH BETWEEN DRAFT MARKS: 238'-03"

PRECISION MEASUREMENT
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P.O. Box 2092
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ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS										GAUGE HEIGHT 16'-04"									
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4	205,698	1/4		1/4	190,088	1/4	174,478	1/4	168,793	1/4	163,095	1/4	127,397	1/4	111,696
1/2		1/2		1/2	205,372	1/2		1/2	189,763	1/2	174,153	1/2	168,465	1/2	162,758	1/2	127,070	1/2	111,369
3/4		3/4		3/4	205,047	3/4		3/4	189,437	3/4	173,828	3/4	168,138	3/4	162,441	3/4	126,743	3/4	111,041
1	1	1	1	1	204,722	1	1	1	189,112	1	173,502	1	167,811	1	162,114	1	126,415	1	110,714
1/4		1/4		1/4	204,397	1/4		1/4	188,787	1/4	173,177	1/4	167,484	1/4	161,787	1/4	126,088	1/4	110,387
1/2		1/2		1/2	204,072	1/2		1/2	188,462	1/2	172,852	1/2	167,157	1/2	161,480	1/2	125,761	1/2	110,060
3/4		3/4		3/4	203,746	3/4		3/4	188,137	3/4	172,526	3/4	166,830	3/4	161,133	3/4	125,434	3/4	109,733
2	2	2	2	2	203,421	2	2	2	187,811	2	172,201	2	166,503	2	160,806	2	125,107	2	109,406
1/4		1/4		1/4	203,096	1/4		1/4	187,486	1/4	171,874	1/4	166,176	1/4	160,479	1/4	124,780	1/4	109,079
1/2		1/2		1/2	202,771	1/2		1/2	187,161	1/2	171,547	1/2	165,849	1/2	160,152	1/2	124,453	1/2	108,752
3/4		3/4		3/4	202,446	3/4		3/4	186,836	3/4	171,220	3/4	165,522	3/4	159,825	3/4	124,126	3/4	108,425
3	3	3	3	3	202,120	3	3	3	186,511	3	170,893	3	165,195	3	159,498	3	123,799	3	108,098
1/4		1/4		1/4	201,795	1/4		1/4	186,185	1/4	170,566	1/4	164,868	1/4	159,171	1/4	123,472	1/4	107,770
1/2		1/2		1/2	201,470	1/2		1/2	185,860	1/2	170,239	1/2	164,544	1/2	158,844	1/2	123,144	1/2	107,443
3/4		3/4		3/4	201,145	3/4		3/4	185,535	3/4	169,911	3/4	164,214	3/4	158,517	3/4	122,817	3/4	107,116
4	4	4	4	4	200,820	4	4	4	185,210	4	169,584	4	163,887	4	158,190	4	122,490	4	106,789
1/4		1/4		1/4	200,494	1/4		1/4	184,885	1/4	169,267	1/4	163,560	1/4	158,863	1/4	122,163	1/4	106,462
1/2		1/2		1/2	200,169	1/2		1/2	184,559	1/2	168,930	1/2	163,232	1/2	158,536	1/2	121,836	1/2	106,135
3/4		3/4		3/4	199,844	3/4		3/4	184,234	3/4	168,603	3/4	162,906	3/4	158,209	3/4	121,509	3/4	105,808
5	5	5	5	5	199,519	5	5	5	183,909	5	168,276	5	162,579	5	157,882	5	121,182	5	105,481
1/4		1/4		1/4	199,193	1/4		1/4	183,584	1/4	167,949	1/4	162,252	1/4	157,555	1/4	120,855	1/4	105,154
1/2		1/2		1/2	198,868	1/2		1/2	183,259	1/2	167,622	1/2	161,925	1/2	157,228	1/2	120,528	1/2	104,826
3/4		3/4		3/4	198,543	3/4		3/4	182,933	3/4	167,295	3/4	161,598	3/4	156,901	3/4	120,200	3/4	104,499
6	6	6	6	6	198,218	6	6	6	182,608	6	166,968	6	161,271	6	155,574	6	119,873	6	104,172
1/4		1/4		1/4	197,893	1/4		1/4	182,283	1/4	166,641	1/4	160,944	1/4	155,247	1/4	119,546	1/4	103,845
1/2		1/2		1/2	197,567	1/2		1/2	181,958	1/2	166,314	1/2	160,617	1/2	154,919	1/2	119,219	1/2	103,518
3/4		3/4		3/4	197,242	3/4		3/4	181,632	3/4	165,987	3/4	160,290	3/4	154,592	3/4	118,892	3/4	103,191
7	7	7	7	7	196,917	7	7	7	181,307	7	165,660	7	160,363	7	154,265	7	118,565	7	102,864
1/4		1/4		1/4	196,592	1/4		1/4	180,982	1/4	165,333	1/4	160,036	1/4	153,938	1/4	118,238	1/4	102,537
1/2		1/2		1/2	196,267	1/2		1/2	180,657	1/2	165,006	1/2	159,699	1/2	153,611	1/2	117,911	1/2	102,210
3/4		3/4		3/4	195,941	3/4		3/4	180,332	3/4	164,679	3/4	159,382	3/4	153,284	3/4	117,584	3/4	101,883
8	8	8	8	8	195,616	8	8	8	180,006	8	164,352	8	159,055	8	152,957	8	117,256	8	101,555
1/4		1/4		1/4	195,291	1/4		1/4	179,681	1/4	164,025	1/4	158,728	1/4	152,630	1/4	116,929	1/4	101,228
1/2		1/2		1/2	194,966	1/2		1/2	179,356	1/2	163,698	1/2	158,401	1/2	152,303	1/2	116,602	1/2	100,901
3/4		3/4		3/4	194,641	3/4		3/4	179,031	3/4	163,371	3/4	158,074	3/4	152,016	3/4	116,275	3/4	100,574
9	9	9	9	9	194,315	9	9	9	178,706	9	163,044	9	157,747	9	151,649	9	115,948	9	100,247
1/4		1/4		1/4	193,990	1/4		1/4	178,380	1/4	162,717	1/4	157,420	1/4	151,322	1/4	115,621	1/4	99,920
1/2		1/2		1/2	193,665	1/2		1/2	178,055	1/2	162,390	1/2	157,092	1/2	151,000	1/2	115,294	1/2	99,593
3/4		3/4		3/4	193,340	3/4		3/4	177,730	3/4	162,063	3/4	156,765	3/4	150,668	3/4	114,967	3/4	99,266
10	10	10	10	10	193,015	10	10	10	177,405	10	161,736	10	156,438	10	150,341	10	114,640	10	98,939
1/4		1/4		1/4	192,689	1/4		1/4	177,080	1/4	161,409	1/4	156,111	1/4	150,014	1/4	114,313	1/4	98,611
1/2		1/2		1/2	192,364	1/2		1/2	176,754	1/2	161,082	1/2	155,784	1/2	149,687	1/2	113,985	1/2	98,284
3/4		3/4		3/4	192,039	3/4		3/4	176,429	3/4	160,755	3/4	155,457	3/4	149,359	3/4	113,658	3/4	97,957
11	11	11	11	11	191,714	11	11	11	176,104	11	160,428	11	155,140	11	149,032	11	113,331	11	97,630
1/4		1/4		1/4	191,389	1/4		1/4	175,779	1/4	160,101	1/4	154,803	1/4	148,705	1/4	113,004	1/4	97,303
1/2		1/2		1/2	191,063	1/2		1/2	175,454	1/2	159,774	1/2	154,476	1/2	148,378	1/2	112,677	1/2	96,976
3/4		3/4		3/4	190,738	3/4		3/4	175,128	3/4	159,447	3/4	154,149	3/4	148,051	3/4	112,350	3/4	96,649
CAPTAINED CHART FOR THE ABOVE NAMED TANK ONLY																			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

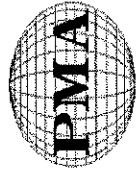
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

**PRECISION MEASUREMENT
& ANALYSIS, INC.**
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[Signature]



BARGE "CBC 315"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	96,322	0	80,621	0	64,920	0	49,218	0	33,517	0	18,116	0	4,090	0	0	0	0	0	0
1/4	95,995	1/4	80,294	1/4	64,592	1/4	48,891	1/4	33,191	1/4	17,805	1/4	3,821	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,668	1/2	79,966	1/2	64,265	1/2	48,564	1/2	32,866	1/2	17,494	1/2	3,551	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,340	3/4	79,639	3/4	63,938	3/4	48,237	3/4	32,541	3/4	17,183	3/4	3,282	3/4	3/4	3/4	3/4	3/4	3/4
1	95,013	1	79,312	1	63,611	1	47,910	1	32,215	1	16,872	1	3,012	1	1	1	1	1	1
1/4	94,686	1/4	78,985	1/4	63,284	1/4	47,584	1/4	31,888	1/4	16,564	1/4	2,752	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,359	1/2	78,658	1/2	62,957	1/2	47,257	1/2	31,561	1/2	16,257	1/2	2,492	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,032	3/4	78,331	3/4	62,630	3/4	46,930	3/4	31,234	3/4	15,949	3/4	2,232	3/4	3/4	3/4	3/4	3/4	3/4
2	93,705	2	78,004	2	62,303	2	46,603	2	31,007	2	15,642	2	1,972	2	2	2	2	2	2
1/4	93,378	1/4	77,677	1/4	61,976	1/4	46,277	1/4	30,680	1/4	15,338	1/4	1,759	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,051	1/2	77,350	1/2	61,649	1/2	45,951	1/2	30,353	1/2	15,034	1/2	1,547	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,724	3/4	77,022	3/4	61,321	3/4	45,624	3/4	30,026	3/4	14,730	3/4	1,335	3/4	3/4	3/4	3/4	3/4	3/4
3	92,396	3	76,695	3	60,994	3	45,298	3	29,699	3	14,425	3	1,123	3	3	3	3	3	3
1/4	92,069	1/4	76,368	1/4	60,667	1/4	44,973	1/4	29,372	1/4	14,125	1/4	988	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,742	1/2	76,041	1/2	60,340	1/2	44,649	1/2	29,044	1/2	13,824	1/2	854	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,415	3/4	75,714	3/4	60,013	3/4	44,325	3/4	28,717	3/4	13,523	3/4	719	3/4	3/4	3/4	3/4	3/4	3/4
4	91,088	4	75,387	4	59,686	4	44,000	4	28,390	4	13,223	4	584	4	4	4	4	4	4
1/4	90,761	1/4	75,060	1/4	59,359	1/4	43,676	1/4	28,063	1/4	12,925	1/4	449	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,434	1/2	74,733	1/2	59,032	1/2	43,351	1/2	27,736	1/2	12,628	1/2	314	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,107	3/4	74,406	3/4	58,705	3/4	43,027	3/4	27,409	3/4	12,331	3/4	179	3/4	3/4	3/4	3/4	3/4	3/4
5	89,780	5	74,079	5	58,377	5	42,703	5	27,082	5	12,033	5	44	5	5	5	5	5	5
1/4	89,453	1/4	73,751	1/4	58,050	1/4	42,378	1/4	26,755	1/4	11,739	1/4	309	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,125	1/2	73,424	1/2	57,723	1/2	42,054	1/2	26,428	1/2	11,445	1/2	174	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,798	3/4	73,097	3/4	57,396	3/4	41,729	3/4	26,101	3/4	11,152	3/4	49	3/4	3/4	3/4	3/4	3/4	3/4
6	88,471	6	72,770	6	57,069	6	41,405	6	25,773	6	10,858	6	34	6	6	6	6	6	6
1/4	88,144	1/4	72,443	1/4	56,742	1/4	41,081	1/4	25,447	1/4	10,567	1/4	19	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,817	1/2	72,116	1/2	56,415	1/2	40,756	1/2	25,121	1/2	10,277	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,490	3/4	71,789	3/4	56,088	3/4	40,432	3/4	24,795	3/4	9,986	3/4	29	3/4	3/4	3/4	3/4	3/4	3/4
7	87,163	7	71,462	7	55,761	7	40,108	7	24,469	7	9,696	7	14	7	7	7	7	7	7
1/4	86,836	1/4	71,135	1/4	55,434	1/4	39,783	1/4	24,151	1/4	9,409	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,509	1/2	70,807	1/2	55,107	1/2	39,459	1/2	23,833	1/2	9,121	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,181	3/4	70,480	3/4	54,779	3/4	39,134	3/4	23,515	3/4	8,834	3/4	29	3/4	3/4	3/4	3/4	3/4	3/4
8	85,854	8	70,153	8	54,452	8	38,810	8	23,196	8	8,547	8	14	8	8	8	8	8	8
1/4	85,527	1/4	69,826	1/4	54,125	1/4	38,486	1/4	22,879	1/4	8,264	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,200	1/2	69,499	1/2	53,798	1/2	38,161	1/2	22,562	1/2	7,980	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,873	3/4	69,172	3/4	53,471	3/4	37,837	3/4	22,245	3/4	7,696	3/4	29	3/4	3/4	3/4	3/4	3/4	3/4
9	84,546	9	68,845	9	53,144	9	37,513	9	21,929	9	7,412	9	14	9	9	9	9	9	9
1/4	84,219	1/4	68,518	1/4	52,817	1/4	37,188	1/4	21,607	1/4	7,132	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,892	1/2	68,191	1/2	52,490	1/2	36,864	1/2	21,286	1/2	6,852	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,565	3/4	67,864	3/4	52,162	3/4	36,539	3/4	20,965	3/4	6,572	3/4	29	3/4	3/4	3/4	3/4	3/4	3/4
10	83,237	10	67,536	10	51,835	10	36,215	10	20,644	10	6,291	10	14	10	10	10	10	10	10
1/4	82,910	1/4	67,209	1/4	51,508	1/4	35,891	1/4	20,326	1/4	6,014	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,583	1/2	66,882	1/2	51,181	1/2	35,566	1/2	20,009	1/2	5,738	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,256	3/4	66,555	3/4	50,854	3/4	35,242	3/4	19,691	3/4	5,461	3/4	29	3/4	3/4	3/4	3/4	3/4	3/4
11	81,929	11	66,228	11	50,527	11	34,917	11	19,373	11	5,184	11	14	11	11	11	11	11	11
1/4	81,602	1/4	65,901	1/4	50,200	1/4	34,592	1/4	19,059	1/4	4,910	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,275	1/2	65,574	1/2	49,873	1/2	34,267	1/2	18,744	1/2	4,637	1/2	4	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,948	3/4	65,247	3/4	49,546	3/4	33,942	3/4	18,430	3/4	4,364	3/4	29	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL
CALCULATED: 03/05/2013 CL
PRINTED: 03/05/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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

Signature



1 STBD
ULLAGE TAB

GAUGE HEIGHT 16'-04 1/2"

CAPACITIES GIVEN IN WHOLE GALLONS																														CAPACITIES GIVEN IN LITERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
0 FT.						1 FT.						2 FT.						3 FT.						4 FT.						5 FT.						6 FT.						7 FT.						8 FT.						9 FT.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
N	IN	0 FT.	N	IN	1 FT.	N	IN	2 FT.	N	IN	3 FT.	N	IN	4 FT.	N	IN	5 FT.	N	IN	6 FT.	N	IN	7 FT.	N	IN	8 FT.	N	IN	9 FT.	N	IN	0 FT.	N	IN	1 FT.	N	IN	2 FT.	N	IN	3 FT.	N	IN	4 FT.	N	IN	5 FT.	N	IN	6 FT.	N	IN	7 FT.	N	IN	8 FT.	N	IN	9 FT.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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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 EXTENDS TO EXTREME HEADLINE POINTS.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092

P.O. BOX 2032
Pearland Texas 77588

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

[Signature]



BARGE "CBC 315"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/2"

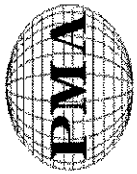
	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	97,083	0	81,374	0	49,957	0	18,753	0	0	0
1/4	96,755	1/4	81,047	1/4	49,630	1/4	18,438	1/4	1/4	1/4
1/2	96,428	1/2	80,720	1/2	49,303	1/2	18,124	1/2	1/2	1/2
3/4	96,101	3/4	80,392	3/4	48,975	3/4	17,813	3/4	3/4	3/4
1	95,774	1	80,065	1	48,648	1	17,502	1	1	1
1/4	95,446	1/4	79,738	1/4	48,321	1/4	17,190	1/4	1/4	1/4
1/2	95,119	1/2	79,411	1/2	47,994	1/2	16,879	1/2	1/2	1/2
3/4	94,792	3/4	79,083	3/4	47,667	3/4	16,572	3/4	3/4	3/4
2	94,465	2	78,756	2	47,340	2	16,264	2	2	2
1/4	94,137	1/4	78,429	1/4	47,013	1/4	15,956	1/4	1/4	1/4
1/2	93,810	1/2	78,101	1/2	46,686	1/2	15,649	1/2	1/2	1/2
3/4	93,483	3/4	77,774	3/4	46,359	3/4	15,344	3/4	3/4	3/4
3	93,155	3	77,447	3	46,032	3	15,040	3	3	3
1/4	92,828	1/4	77,120	1/4	45,706	1/4	14,736	1/4	1/4	1/4
1/2	92,501	1/2	76,792	1/2	45,379	1/2	14,432	1/2	1/2	1/2
3/4	92,174	3/4	76,465	3/4	45,052	3/4	14,131	3/4	3/4	3/4
4	91,846	4	76,138	4	44,726	4	13,830	4	4	4
1/4	91,519	1/4	75,811	1/4	44,399	1/4	13,529	1/4	1/4	1/4
1/2	91,192	1/2	75,483	1/2	44,073	1/2	13,228	1/2	1/2	1/2
3/4	90,865	3/4	75,156	3/4	43,746	3/4	12,931	3/4	3/4	3/4
5	90,537	5	74,829	5	43,420	5	12,633	5	5	5
1/4	90,210	1/4	74,502	1/4	43,093	1/4	12,336	1/4	1/4	1/4
1/2	89,883	1/2	74,174	1/2	42,767	1/2	12,038	1/2	1/2	1/2
3/4	89,556	3/4	73,847	3/4	42,441	3/4	11,744	3/4	3/4	3/4
6	89,228	6	73,520	6	42,115	6	11,450	6	6	6
1/4	88,901	1/4	73,193	1/4	41,789	1/4	11,156	1/4	1/4	1/4
1/2	88,574	1/2	72,865	1/2	41,462	1/2	10,862	1/2	1/2	1/2
3/4	88,247	3/4	72,538	3/4	41,136	3/4	10,572	3/4	3/4	3/4
7	87,919	7	72,211	7	40,810	7	10,281	7	7	7
1/4	87,592	1/4	71,884	1/4	40,484	1/4	9,990	1/4	1/4	1/4
1/2	87,265	1/2	71,556	1/2	40,158	1/2	9,700	1/2	1/2	1/2
3/4	86,938	3/4	71,229	3/4	39,832	3/4	9,412	3/4	3/4	3/4
8	86,610	8	70,902	8	39,506	8	9,125	8	8	8
1/4	86,283	1/4	70,574	1/4	39,180	1/4	8,838	1/4	1/4	1/4
1/2	85,956	1/2	70,247	1/2	38,854	1/2	8,551	1/2	1/2	1/2
3/4	85,628	3/4	69,920	3/4	38,528	3/4	8,267	3/4	3/4	3/4
9	85,301	9	69,593	9	38,202	9	7,983	9	9	9
1/4	84,974	1/4	69,265	1/4	37,876	1/4	7,699	1/4	1/4	1/4
1/2	84,647	1/2	68,938	1/2	37,550	1/2	7,415	1/2	1/2	1/2
3/4	84,319	3/4	68,611	3/4	37,224	3/4	7,135	3/4	3/4	3/4
10	83,992	10	68,284	10	36,898	10	6,855	10	10	10
1/4	83,665	1/4	67,956	1/4	36,572	1/4	6,574	1/4	1/4	1/4
1/2	83,338	1/2	67,629	1/2	36,245	1/2	6,294	1/2	1/2	1/2
3/4	83,010	3/4	67,302	3/4	35,919	3/4	6,017	3/4	3/4	3/4
11	82,683	11	66,975	11	35,593	11	5,740	11	11	11
1/4	82,356	1/4	66,647	1/4	35,267	1/4	5,463	1/4	1/4	1/4
1/2	82,029	1/2	66,320	1/2	34,941	1/2	5,186	1/2	1/2	1/2
3/4	81,701	3/4	65,993	3/4	34,614	3/4	4,912	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL
CALCULATED: 03/05/2013 CL
PRINTED: 03/05/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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

Paul J. Mac



BARGE "CBC 315"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	202,346	0	187,286	0	172,226	0
1/4	1/4	1/4	1/4	1/4	1/4	202,032	1/4	186,972	1/4	171,912	1/4
1/2	1/2	1/2	1/2	1/2	1/2	201,718	1/2	186,658	1/2	171,598	1/2
3/4	3/4	3/4	3/4	3/4	3/4	201,405	3/4	186,344	3/4	171,284	3/4
1	1	1	1	1	1	201,091	1	186,031	1	170,971	1
1/4	1/4	1/4	1/4	1/4	1/4	200,777	1/4	185,717	1/4	170,657	1/4
1/2	1/2	1/2	1/2	1/2	1/2	200,463	1/2	185,403	1/2	170,343	1/2
3/4	3/4	3/4	3/4	3/4	3/4	200,150	3/4	185,089	3/4	170,029	3/4
2	2	2	2	2	2	199,836	2	184,776	2	169,716	2
1/4	1/4	1/4	1/4	1/4	1/4	199,522	1/4	184,462	1/4	169,401	1/4
1/2	1/2	1/2	1/2	1/2	1/2	199,208	1/2	184,148	1/2	169,088	1/2
3/4	3/4	3/4	3/4	3/4	3/4	198,895	3/4	183,834	3/4	168,774	3/4
3	3	3	3	3	3	198,581	3	183,521	3	168,468	3
1/4	1/4	1/4	1/4	1/4	1/4	198,267	1/4	183,207	1/4	168,154	1/4
1/2	1/2	1/2	1/2	1/2	1/2	197,953	1/2	182,893	1/2	167,840	1/2
3/4	3/4	3/4	3/4	3/4	3/4	197,640	3/4	182,579	3/4	167,526	3/4
4	4	4	4	4	4	197,326	4	182,266	4	167,212	4
1/4	1/4	1/4	1/4	1/4	1/4	197,012	1/4	181,952	1/4	166,898	1/4
1/2	1/2	1/2	1/2	1/2	1/2	196,698	1/2	181,638	1/2	166,584	1/2
3/4	3/4	3/4	3/4	3/4	3/4	196,385	3/4	181,324	3/4	166,270	3/4
5	5	5	5	5	5	196,071	5	181,011	5	165,956	5
1/4	1/4	1/4	1/4	1/4	1/4	195,757	1/4	180,697	1/4	165,642	1/4
1/2	1/2	1/2	1/2	1/2	1/2	195,443	1/2	180,383	1/2	165,328	1/2
3/4	3/4	3/4	3/4	3/4	3/4	195,129	3/4	180,069	3/4	165,014	3/4
6	6	6	6	6	6	194,816	6	179,756	6	164,700	6
1/4	1/4	1/4	1/4	1/4	1/4	194,502	1/4	179,442	1/4	164,386	1/4
1/2	1/2	1/2	1/2	1/2	1/2	194,188	1/2	179,128	1/2	164,072	1/2
3/4	3/4	3/4	3/4	3/4	3/4	193,874	3/4	178,814	3/4	163,758	3/4
7	7	7	7	7	7	193,561	7	178,501	7	163,444	7
1/4	1/4	1/4	1/4	1/4	1/4	193,247	1/4	178,187	1/4	163,130	1/4
1/2	1/2	1/2	1/2	1/2	1/2	192,933	1/2	177,873	1/2	162,816	1/2
3/4	3/4	3/4	3/4	3/4	3/4	192,619	3/4	177,559	3/4	162,502	3/4
8	8	8	8	8	8	192,306	8	177,246	8	162,188	8
1/4	1/4	1/4	1/4	1/4	1/4	191,992	1/4	176,932	1/4	161,874	1/4
1/2	1/2	1/2	1/2	1/2	1/2	191,678	1/2	176,618	1/2	161,560	1/2
3/4	3/4	3/4	3/4	3/4	3/4	191,364	3/4	176,304	3/4	161,246	3/4
9	9	9	9	9	9	191,051	9	175,991	9	160,932	9
1/4	1/4	1/4	1/4	1/4	1/4	190,737	1/4	175,677	1/4	160,618	1/4
1/2	1/2	1/2	1/2	1/2	1/2	190,423	1/2	175,363	1/2	160,304	1/2
3/4	3/4	3/4	3/4	3/4	3/4	190,109	3/4	175,049	3/4	160,000	3/4
10	10	10	10	10	10	189,796	10	174,736	10	159,686	10
1/4	1/4	1/4	1/4	1/4	1/4	189,482	1/4	174,422	1/4	159,372	1/4
1/2	1/2	1/2	1/2	1/2	1/2	189,168	1/2	174,108	1/2	159,058	1/2
3/4	3/4	3/4	3/4	3/4	3/4	188,854	3/4	173,794	3/4	158,744	3/4
11	11	11	11	11	11	188,541	11	173,481	11	158,430	11
1/4	1/4	1/4	1/4	1/4	1/4	188,227	1/4	173,167	1/4	158,116	1/4
1/2	1/2	1/2	1/2	1/2	1/2	187,913	1/2	172,853	1/2	157,802	1/2
3/4	3/4	3/4	3/4	3/4	3/4	187,599	3/4	172,539	3/4	157,488	3/4
12	12	12	12	12	12	187,286	12	172,226	12	157,174	12

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

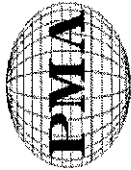
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

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

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "CBC 315"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

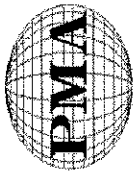
10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	96,499	0	81,347	0	66,196	0	51,045	0	36,153	0	21,002	0	5,851	0	0	0	0	0	0
1/4	96,183	1/4	81,032	1/4	65,881	1/4	50,729	1/4	35,837	1/4	20,687	1/4	5,536	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,867	1/2	80,716	1/2	65,565	1/2	50,414	1/2	35,522	1/2	20,371	1/2	5,220	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,552	3/4	80,401	3/4	65,249	3/4	50,098	3/4	35,206	3/4	20,055	3/4	4,905	3/4	3/4	3/4	3/4	3/4	3/4
1	95,236	1	80,085	1	64,934	1	49,783	1	34,891	1	19,740	1	4,590	1	1	1	1	1	1
1/4	94,921	1/4	79,769	1/4	64,618	1/4	49,468	1/4	34,575	1/4	19,424	1/4	4,275	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,605	1/2	79,454	1/2	64,302	1/2	49,153	1/2	34,259	1/2	19,108	1/2	3,960	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,289	3/4	79,138	3/4	63,987	3/4	48,838	3/4	33,944	3/4	18,793	3/4	3,645	3/4	3/4	3/4	3/4	3/4	3/4
2	93,974	2	78,822	2	63,671	2	48,529	2	33,628	2	18,477	2	3,329	2	2	2	2	2	2
1/4	93,658	1/4	78,507	1/4	63,355	1/4	48,220	1/4	33,312	1/4	18,161	1/4	3,026	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,342	1/2	78,191	1/2	63,040	1/2	47,910	1/2	32,997	1/2	17,846	1/2	2,716	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,027	3/4	77,875	3/4	62,724	3/4	47,601	3/4	32,681	3/4	17,530	3/4	2,407	3/4	3/4	3/4	3/4	3/4	3/4
3	92,711	3	77,560	3	62,408	3	47,291	3	32,365	3	17,215	3	2,141	3	3	3	3	3	3
1/4	92,395	1/4	77,244	1/4	62,093	1/4	46,982	1/4	32,050	1/4	16,899	1/4	1,874	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,080	1/2	76,928	1/2	61,777	1/2	46,672	1/2	31,734	1/2	16,583	1/2	1,608	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,764	3/4	76,613	3/4	61,461	3/4	46,363	3/4	31,418	3/4	16,268	3/4	1,342	3/4	3/4	3/4	3/4	3/4	3/4
4	91,448	4	76,297	4	61,146	4	46,054	4	31,103	4	15,952	4	1,155	4	4	4	4	4	4
1/4	91,133	1/4	75,981	1/4	60,830	1/4	45,745	1/4	30,787	1/4	15,636	1/4	967	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,817	1/2	75,666	1/2	60,514	1/2	45,436	1/2	30,472	1/2	15,321	1/2	780	1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,501	3/4	75,350	3/4	60,199	3/4	45,127	3/4	30,156	3/4	15,005	3/4	593	3/4	3/4	3/4	3/4	3/4	3/4
5	90,186	5	75,034	5	59,883	5	44,818	5	29,840	5	14,689	5	5	5	5	5	5	5	5
1/4	89,870	1/4	74,719	1/4	59,567	1/4	44,509	1/4	29,525	1/4	14,374	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,554	1/2	74,403	1/2	59,252	1/2	44,199	1/2	29,209	1/2	14,058	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,239	3/4	74,087	3/4	58,936	3/4	43,890	3/4	28,893	3/4	13,742	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4
6	88,923	6	73,772	6	58,621	6	43,581	6	28,578	6	13,427	6	5	6	6	6	6	6	6
1/4	88,607	1/4	73,456	1/4	58,305	1/4	43,272	1/4	28,262	1/4	13,111	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,292	1/2	73,141	1/2	57,989	1/2	42,963	1/2	27,946	1/2	12,796	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,976	3/4	72,825	3/4	57,674	3/4	42,654	3/4	27,631	3/4	12,480	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4
7	87,661	7	72,509	7	57,358	7	42,345	7	27,315	7	12,164	7	5	7	7	7	7	7	7
1/4	87,345	1/4	72,194	1/4	57,042	1/4	42,036	1/4	26,999	1/4	11,849	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,029	1/2	71,878	1/2	56,727	1/2	41,727	1/2	26,684	1/2	11,533	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,714	3/4	71,562	3/4	56,411	3/4	41,418	3/4	26,368	3/4	11,217	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4
8	86,398	8	71,247	8	56,095	8	41,108	8	26,053	8	10,902	8	5	8	8	8	8	8	8
1/4	86,082	1/4	70,931	1/4	55,780	1/4	40,799	1/4	25,737	1/4	10,586	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,767	1/2	70,615	1/2	55,464	1/2	40,490	1/2	25,421	1/2	10,270	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,451	3/4	70,300	3/4	55,148	3/4	40,181	3/4	25,106	3/4	9,955	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4
9	85,135	9	69,984	9	54,833	9	39,872	9	24,790	9	9,639	9	5	9	9	9	9	9	9
1/4	84,820	1/4	69,668	1/4	54,517	1/4	39,563	1/4	24,474	1/4	9,323	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,504	1/2	69,353	1/2	54,201	1/2	39,254	1/2	24,159	1/2	9,008	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,188	3/4	69,037	3/4	53,886	3/4	38,945	3/4	23,843	3/4	8,692	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4
10	83,873	10	68,721	10	53,570	10	38,636	10	23,527	10	8,377	10	5	10	10	10	10	10	10
1/4	83,557	1/4	68,406	1/4	53,254	1/4	38,327	1/4	23,212	1/4	8,061	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,241	1/2	68,090	1/2	52,939	1/2	38,017	1/2	22,896	1/2	7,745	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,926	3/4	67,774	3/4	52,623	3/4	37,708	3/4	22,580	3/4	7,430	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4
11	82,610	11	67,459	11	52,307	11	37,398	11	22,265	11	7,114	11	5	11	11	11	11	11	11
1/4	82,294	1/4	67,143	1/4	51,992	1/4	37,089	1/4	21,949	1/4	6,798	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,979	1/2	66,827	1/2	51,676	1/2	36,779	1/2	21,634	1/2	6,483	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,663	3/4	66,512	3/4	51,361	3/4	36,469	3/4	21,318	3/4	6,167	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL
CALCULATED: 03/05/2013 CL
PRINTED: 03/05/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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

Paul J. Mac



BARGE "CBC 315"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0 FT.	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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

[Signature]



VILLAGE TABLE

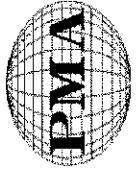
CAPACITIES GIVEN IN WHOLE GALLONS										GAUGE HEIGHT 16'-04 1/4"									
10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	95,825	0	80,668	0	65,511	0	50,354	0	35,502	0	20,379	0	5,223	0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95,509	80,356	65,195	50,038	35,193	20,063	4,907	49,723	34,884	19,747	4,592	19,432	14,277	9,122	3,966	18,800	13,646	18,484	13,290
3/4	94,877	79,720	64,563	49,407	34,575	19,432	4,277	48,407	33,428	18,281	3,130	17,134	11,987	6,840	1,684	16,980	11,824	16,660	11,500
1	94,561	79,405	64,248	49,092	34,266	19,116	3,962	48,776	33,112	18,000	2,846	16,816	11,660	6,504	1,428	16,500	11,344	16,120	10,956
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	93,246	78,089	63,932	48,776	33,957	18,800	3,646	48,462	33,641	18,484	3,337	18,169	12,987	7,840	2,684	18,000	12,684	18,000	12,684
3/4	93,614	78,457	63,300	48,148	33,325	18,169	3,027	47,834	32,999	17,853	2,718	17,537	12,408	7,280	2,142	17,221	11,876	17,221	11,876
2	93,298	78,142	62,985	47,834	32,602	17,537	2,408	47,521	32,378	17,221	2,142	16,906	11,660	6,504	1,428	16,500	11,344	16,120	10,956
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	92,983	77,826	62,669	47,521	32,378	17,221	2,142	47,207	32,053	16,906	1,876	16,590	11,344	6,184	1,018	16,274	11,018	16,000	10,836
3/4	92,351	77,194	62,037	46,894	31,743	16,590	1,609	46,581	31,431	16,274	1,343	15,958	11,018	5,872	1,018	15,643	10,713	15,643	10,713
3	92,035	76,878	61,722	46,581	31,431	16,274	1,018	46,268	31,115	15,958	968	15,643	10,713	5,454	968	15,327	10,400	15,327	10,400
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	91,720	76,563	61,406	46,268	31,115	15,643	968	45,951	30,799	15,327	781	15,011	10,090	4,907	968	14,684	10,090	14,684	10,090
3/4	91,404	76,247	61,090	45,951	30,483	14,684	781	45,638	30,483	14,368	593	14,368	9,772	968	14,064	9,456	14,064	9,456	8,948
4	90,772	75,615	60,458	45,638	30,168	14,368	593	45,324	30,168	14,064	593	14,064	9,140	968	13,748	8,820	13,748	8,820	8,404
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	90,457	75,300	60,143	45,324	29,852	14,064	593	45,010	29,852	13,748	593	13,748	8,504	968	13,432	8,188	13,432	8,188	7,772
3/4	90,141	74,984	59,827	44,730	29,536	13,748	593	44,416	29,536	13,432	593	13,432	7,868	968	13,116	7,552	13,116	7,552	7,136
5	89,825	74,668	59,511	44,416	29,220	13,432	593	44,115	29,220	13,116	593	13,116	7,240	968	12,801	6,936	12,801	6,936	6,520
6	89,509	74,352	59,195	44,115	28,904	13,116	593	43,808	28,904	12,801	593	12,801	6,624	968	12,485	6,308	12,485	6,308	5,892
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	89,193	74,037	58,880	43,808	28,588	12,801	593	43,500	28,588	12,485	593	12,485	6,000	968	12,169	5,680	12,169	5,680	5,264
3/4	88,878	73,721	58,564	43,500	28,273	12,485	593	43,193	28,273	12,169	593	12,169	5,384	968	11,853	5,064	11,853	5,064	4,648
7	88,562	73,405	58,248	43,193	27,957	12,169	593	42,885	27,957	11,853	593	11,853	4,776	968	11,538	4,456	11,538	4,456	4,040
8	88,246	73,089	57,932	42,885	27,641	11,853	593	42,578	27,641	11,538	593	11,538	4,160	968	11,222	3,840	11,222	3,840	3,424
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	87,930	72,773	57,617	42,578	27,326	11,538	593	42,270	27,326	11,222	593	11,222	3,552	968	10,906	3,232	10,906	3,232	2,816
3/4	87,615	72,458	57,301	42,270	27,010	11,222	593	41,963	27,010	10,906	593	10,906	2,944	968	10,590	2,624	10,590	2,624	2,208
9	87,299	72,142	56,985	41,963	26,694	10,906	593	41,655	26,694	10,590	593	10,590	2,336	968	10,275	2,016	10,275	2,016	1,600
10	86,983	71,826	56,669	41,655	26,378	10,590	593	41,348	26,378	10,275	593	10,275	1,928	968	9,959	1,608	9,959	1,608	1,192
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	86,667	71,510	56,353	41,348	26,063	10,275	593	41,040	26,063	9,959	593	9,959	1,520	968	9,643	1,200	9,643	1,200	880
3/4	86,352	71,195	56,038	41,040	25,747	9,959	593	40,732	25,747	9,643	593	9,643	1,112	968	9,327	880	9,327	880	464
11	86,036	70,879	55,722	40,732	25,431	9,643	593	40,425	25,431	9,327	593	9,327	840	968	9,012	840	9,012	840	424
12	85,720	70,563	55,406	40,425	25,115	9,327	593	40,117	25,115	9,012	593	9,012	800	968	8,696	800	8,696	800	384
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	85,404	70,247	55,090	40,117	24,800	9,012	593	39,807	24,800	8,696	593	8,696	760	968	8,380	760	8,380	760	344
3/4	85,088	69,932	54,775	39,807	24,484	8,696	593	39,502	24,484	8,368	593	8,368	720	968	8,064	720	8,064	720	304
13	84,773	69,616	54,459	39,502	24,168	8,368	593	39,195	24,168	8,052	593	8,052	680	968	7,748	680	7,748	680	264
14	84,457	69,300	54,143	39,195	23,852	8,052	593	38,887	23,852	7,736	593	7,736	640	968	7,432	640	7,432	640	224
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	84,141	68,984	53,827	38,887	23,537	7,736	593	38,580	23,537	7,424	593	7,424	600	968	7,116	600	7,116	600	184
3/4	83,825	68,668	53,512	38,580	23,221	7,424	593	38,272	23,221	7,112	593	7,112	560	968	6,808	560	6,808	560	144
15	83,510	68,353	53,196	38,272	22,905	7,112	593	37,965	22,905	6,800	593	6,800	520	968	6,500	520	6,500	520	104
16	83,194	68,037	52,880	37,965	22,589	6,800	593	37,657	22,589	6,488	593	6,488	480	968	6,184	480	6,184	480	64
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	82,878	67,721	52,564	37,657	22,274	6,488	593	37,349	22,274	6,176	593	6,176	440	968	5,868	440	5,868	440	24
3/4	82,562	67,405	52,248	37,349	21,958	6,176	593	37,042	21,958	5,856	593	5,856	400	968	5,552	400	5,552	400	-16
17	82,247	67,090	51,933	37,042	21,642	5,856	593	36,734	21,642	5,544	593	5,544	360	968	5,240	360	5,240	360	-60
18	81,931	66,774	51,617	36,734	21,326	5,544	593	36,426	21,326	5,232	593	5,232	320	968	4,928	320	4,928	320	-116
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	81,615	66,458	51,301	36,426	21,010	5,232	593	36,118	21,010	4,920	593	4,920	280	968	4,616	280	4,616	280	-172
3/4	81,299	66,142	50,985	36,118	20,695	4,920	593	35,810	20,695	4,608	593	4,608	240	968	4,304	240	4,304	240	-228
19	80,983	65,827	50,670	35,810	20,380	4,608	593	35,502	20,380	4,300	593	4,300	200	968	4,000	200	4,000	200	-284
20	80,667	65,504	50,354	35,502	20,064	4,300	593	35,194	20,064	3,992	593	3,992	160	968	3,688	160	3,688	160	-340

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL
CALCULATED: 03/05/2013 CL
PRINTED: 03/05/2013 CL

**PRECISION MEASUREMENT
& ANALYSIS, INC.**
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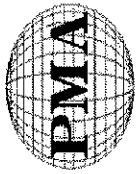
Theodore



BARGE "CBC 315"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 16'-04 1/4"																	
0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
N	IN		N	IN		N	IN		N	IN		N	IN		N	IN		N	IN		N	IN		N	IN		N	IN	
0		0	0		0	0		0	195,559	0	183,621	0	171,682	0	159,689	0	145,245	0	129,671	0	114,094	0	114,094	0	129,671	0	114,094	0	114,094
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	195,310	1/4	183,372	1/4	171,434	1/4	159,439	1/4	144,922	1/4	129,346	1/4	113,770	1/4	113,770	1/4	129,346	1/4	113,770	1/4	113,770
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	195,062	1/2	183,123	1/2	171,185	1/2	159,186	1/2	144,597	1/2	129,022	1/2	113,445	1/2	113,445	1/2	129,022	1/2	113,445	1/2	113,445
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	194,813	3/4	182,874	3/4	170,936	3/4	158,933	3/4	144,273	3/4	128,697	3/4	113,121	3/4	113,121	3/4	128,697	3/4	113,121	3/4	113,121
1	1	1	1	1	1	1	1	1	194,564	1	182,626	1	170,687	1	158,681	1	143,948	1	128,373	1	112,796	1	112,796	1	128,373	1	112,796	1	112,796
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	194,315	1/4	182,377	1/4	170,439	1/4	158,428	1/4	143,824	1/4	128,048	1/4	112,472	1/4	112,472	1/4	128,048	1/4	112,472	1/4	112,472
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	194,067	1/2	182,128	1/2	170,190	1/2	158,165	1/2	143,299	1/2	127,724	1/2	112,147	1/2	112,147	1/2	127,724	1/2	112,147	1/2	112,147
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	193,818	3/4	181,880	3/4	169,941	3/4	157,903	3/4	142,975	3/4	127,399	3/4	111,823	3/4	111,823	3/4	127,399	3/4	111,823	3/4	111,823
2	2	2	2	2	2	2	2	2	193,569	2	181,631	2	169,692	2	157,641	2	142,850	2	127,074	2	111,499	2	111,499	2	127,074	2	111,499	2	111,499
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	193,321	1/4	181,382	1/4	169,443	1/4	157,378	1/4	142,326	1/4	126,750	1/4	111,175	1/4	111,175	1/4	126,750	1/4	111,175	1/4	111,175
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	193,072	1/2	181,133	1/2	169,193	1/2	157,103	1/2	142,001	1/2	126,425	1/2	110,850	1/2	110,850	1/2	126,425	1/2	110,850	1/2	110,850
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	192,823	3/4	180,885	3/4	168,943	3/4	156,828	3/4	141,677	3/4	126,101	3/4	110,526	3/4	110,526	3/4	126,101	3/4	110,526	3/4	110,526
3	3	3	3	3	3	3	3	3	192,574	3	180,636	3	168,693	3	156,553	3	141,352	3	125,776	3	110,202	3	110,202	3	125,776	3	110,202	3	110,202
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	192,326	1/4	180,387	1/4	168,443	1/4	156,278	1/4	141,028	1/4	125,452	1/4	109,878	1/4	109,878	1/4	125,452	1/4	109,878	1/4	109,878
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	192,077	1/2	180,139	1/2	168,193	1/2	155,991	1/2	140,703	1/2	125,127	1/2	109,553	1/2	109,553	1/2	125,127	1/2	109,553	1/2	109,553
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	191,828	3/4	179,890	3/4	167,943	3/4	155,703	3/4	140,379	3/4	124,803	3/4	109,229	3/4	109,229	3/4	124,803	3/4	109,229	3/4	109,229
4	4	4	4	4	4	4	4	4	191,580	4	179,641	4	167,693	4	155,416	4	140,054	4	124,478	4	108,905	4	108,905	4	124,478	4	108,905	4	108,905
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	191,331	1/4	179,392	1/4	167,442	1/4	155,128	1/4	139,730	1/4	124,154	1/4	108,681	1/4	108,681	1/4	124,154	1/4	108,681	1/4	108,681
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	191,082	1/2	179,144	1/2	167,192	1/2	154,828	1/2	139,405	1/2	123,829	1/2	108,256	1/2	108,256	1/2	123,829	1/2	108,256	1/2	108,256
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	190,833	3/4	178,895	3/4	166,942	3/4	154,528	3/4	139,081	3/4	123,505	3/4	107,932	3/4	107,932	3/4	123,505	3/4	107,932	3/4	107,932
5	5	5	5	5	5	5	5	5	190,585	5	178,646	5	166,692	5	154,227	5	138,756	5	123,180	5	107,608	5	107,608	5	123,180	5	107,608	5	107,608
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	190,336	1/4	178,398	1/4	166,442	1/4	153,927	1/4	138,432	1/4	122,856	1/4	107,284	1/4	107,284	1/4	122,856	1/4	107,284	1/4	107,284
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	190,087	1/2	178,149	1/2	166,192	1/2	153,615	1/2	138,107	1/2	122,531	1/2	106,961	1/2	106,961	1/2	122,531	1/2	106,961	1/2	106,961
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	189,839	3/4	177,900	3/4	165,942	3/4	153,302	3/4	137,783	3/4	122,207	3/4	106,637	3/4	106,637	3/4	122,207	3/4	106,637	3/4	106,637
6	6	6	6	6	6	6	6	6	189,590	6	177,651	6	165,692	6	152,990	6	137,459	6	121,882	6	106,314	6	106,314	6	121,882	6	106,314	6	106,314
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	189,341	1/4	177,403	1/4	165,442	1/4	152,678	1/4	137,134	1/4	121,558	1/4	105,991	1/4	105,991	1/4	121,558	1/4	105,991	1/4	105,991
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	189,092	1/2	177,154	1/2	165,192	1/2	152,356	1/2	136,810	1/2	121,233	1/2	105,667	1/2	105,667	1/2	121,233	1/2	105,667	1/2	105,667
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	188,844	3/4	176,905	3/4	164,942	3/4	152,034	3/4	136,485	3/4	120,909	3/4	105,344	3/4	105,344	3/4	120,909	3/4	105,344	3/4	105,344
7	7	7	7	7	7	7	7	7	188,595	7	176,657	7	164,692	7	151,712	7	136,161	7	120,584	7	105,020	7	105,020	7	120,584	7	105,020	7	105,020
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	188,346	1/4	176,408	1/4	164,441	1/4	151,391	1/4	135,836	1/4	120,260	1/4	104,697	1/4	104,697	1/4	120,260	1/4	104,697	1/4	104,697
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	188,097	1/2	176,159	1/2	164,191	1/2	151,068	1/2	135,512	1/2	119,935	1/2	104,373	1/2	104,373	1/2	119,935	1/2	104,373	1/2	104,373
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	187,849	3/4	175,910	3/4	163,941	3/4	150,745	3/4	135,187	3/4	119,611	3/4	104,050	3/4	104,050	3/4	119,611	3/4	104,050	3/4	104,050
8	8	8	8	8	8	8	8	8	187,600	8	175,662	8	163,691	8	150,422	8	134,863	8	119,286	8	103,726	8	103,726	8	119,286	8	103,726	8	103,726
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	187,351	1/4	175,413	1/4	163,441	1/4	150,098	1/4	134,538	1/4	118,962	1/4	103,402	1/4	103,402	1/4	118,962	1/4	103,402	1/4	103,402
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	187,103	1/2	175,164	1/2	163,191	1/2	149,775	1/2	134,214	1/2	118,637	1/2	103,078	1/2	103,078	1/2	118,637	1/2	103,078	1/2	103,078
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	186,854	3/4	174,916	3/4	162,941	3/4	149,452	3/4	133,889	3/4	118,313	3/4	102,755	3/4	102,755	3/4	118,313	3/4	102,755	3/4	102,755
9	9	9	9	9	9	9	9	9	186,605	9	174,667	9	162,691	9	149,128	9	133,565	9	117,988	9	102,431	9	102,431	9	117,988	9	102,431	9	102,431
1/4	1/4	1/4																											



BARGE "CBC 315"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	98,547	0	82,980	0	67,391	0	51,830	0	36,619	0	21,014	0	5,385	0	0	0	0	0	0
1/4	98,223	1/4	82,656	1/4	67,067	1/4	51,513	1/4	36,295	1/4	20,689	1/4	5,059	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,900	1/2	82,331	1/2	66,742	1/2	51,196	1/2	35,970	1/2	20,363	1/2	4,734	1/2	1/2	1/2	1/2	1/2	1/2
3/4	97,576	3/4	82,006	3/4	66,417	3/4	50,880	3/4	35,645	3/4	20,037	3/4	4,409	3/4	3/4	3/4	3/4	3/4	3/4
1	97,252	1	81,681	1	66,093	1	50,563	1	35,321	1	19,712	1	4,084	1	1	1	1	1	1
1/4	96,929	1/4	81,356	1/4	65,768	1/4	50,246	1/4	34,996	1/4	19,386	1/4	3,759	1/4	1/4	1/4	1/4	1/4	1/4
1/2	96,605	1/2	81,032	1/2	65,443	1/2	49,929	1/2	34,671	1/2	19,061	1/2	3,440	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,281	3/4	80,707	3/4	65,119	3/4	49,613	3/4	34,347	3/4	18,735	3/4	3,121	3/4	3/4	3/4	3/4	3/4	3/4
2	95,958	2	80,382	2	64,794	2	49,296	2	34,022	2	18,409	2	2,802	2	2	2	2	2	2
1/4	95,634	1/4	80,057	1/4	64,469	1/4	48,980	1/4	33,698	1/4	18,084	1/4	2,483	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,310	1/2	79,733	1/2	64,144	1/2	48,663	1/2	33,373	1/2	17,768	1/2	2,208	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,987	3/4	79,408	3/4	63,819	3/4	48,346	3/4	33,048	3/4	17,432	3/4	1,933	3/4	3/4	3/4	3/4	3/4	3/4
3	94,663	3	79,083	3	63,495	3	48,030	3	32,724	3	17,107	3	1,659	3	3	3	3	3	3
1/4	94,339	1/4	78,758	1/4	63,170	1/4	47,713	1/4	32,399	1/4	16,781	1/4	1,384	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,016	1/2	78,433	1/2	62,845	1/2	47,397	1/2	32,075	1/2	16,456	1/2	1,191	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,692	3/4	78,109	3/4	62,520	3/4	47,081	3/4	31,750	3/4	16,130	3/4	997	3/4	3/4	3/4	3/4	3/4	3/4
4	93,368	4	77,784	4	62,196	4	46,765	4	31,425	4	15,804	4	804	4	4	4	4	4	4
1/4	93,045	1/4	77,459	1/4	61,871	1/4	46,449	1/4	31,101	1/4	15,479	1/4	611	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,721	1/2	77,134	1/2	61,546	1/2	46,132	1/2	30,776	1/2	15,153	1/2	418	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,397	3/4	76,810	3/4	61,221	3/4	45,816	3/4	30,452	3/4	14,828	3/4	225	3/4	3/4	3/4	3/4	3/4	3/4
5	92,073	5	76,485	5	60,896	5	45,500	5	30,127	5	14,502	5	3	5	5	5	5	5	5
1/4	91,749	1/4	76,160	1/4	60,572	1/4	45,184	1/4	29,802	1/4	14,176	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,425	1/2	75,835	1/2	60,247	1/2	44,868	1/2	29,478	1/2	13,851	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,100	3/4	75,510	3/4	59,922	3/4	44,551	3/4	29,153	3/4	13,525	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
6	90,775	6	75,186	6	59,597	6	44,235	6	28,828	6	13,199	6	1	6	6	6	6	6	6
1/4	90,450	1/4	74,861	1/4	59,273	1/4	43,919	1/4	28,503	1/4	12,874	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,125	1/2	74,536	1/2	58,948	1/2	43,603	1/2	28,178	1/2	12,548	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,801	3/4	74,211	3/4	58,623	3/4	43,287	3/4	27,852	3/4	12,223	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
7	89,476	7	73,886	7	58,298	7	42,971	7	27,527	7	11,897	7	1	7	7	7	7	7	7
1/4	89,151	1/4	73,562	1/4	57,973	1/4	42,654	1/4	27,201	1/4	11,571	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,826	1/2	73,237	1/2	57,649	1/2	42,338	1/2	26,875	1/2	11,246	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,502	3/4	72,912	3/4	57,324	3/4	42,022	3/4	26,550	3/4	10,920	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
8	88,177	8	72,587	8	56,999	8	41,706	8	26,224	8	10,594	8	1	8	8	8	8	8	8
1/4	87,852	1/4	72,263	1/4	56,674	1/4	41,390	1/4	25,899	1/4	10,269	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,527	1/2	71,938	1/2	56,350	1/2	41,074	1/2	25,573	1/2	9,943	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,202	3/4	71,613	3/4	56,025	3/4	40,757	3/4	25,247	3/4	9,618	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
9	86,878	9	71,288	9	55,700	9	40,441	9	24,922	9	9,292	9	1	9	9	9	9	9	9
1/4	86,553	1/4	70,963	1/4	55,375	1/4	40,125	1/4	24,596	1/4	8,966	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,228	1/2	70,639	1/2	55,050	1/2	39,809	1/2	24,270	1/2	8,641	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,903	3/4	70,314	3/4	54,726	3/4	39,493	3/4	23,945	3/4	8,315	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
10	85,579	10	69,989	10	54,401	10	39,177	10	23,619	10	7,990	10	1	10	10	10	10	10	10
1/4	85,254	1/4	69,664	1/4	54,076	1/4	38,860	1/4	23,294	1/4	7,664	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,929	1/2	69,340	1/2	53,752	1/2	38,544	1/2	22,968	1/2	7,338	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,604	3/4	69,015	3/4	53,429	3/4	38,227	3/4	22,642	3/4	7,013	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
11	84,279	11	68,690	11	53,105	11	37,910	11	22,317	11	6,687	11	1	11	11	11	11	11	11
1/4	83,955	1/4	68,365	1/4	52,781	1/4	37,593	1/4	21,991	1/4	6,361	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,630	1/2	68,041	1/2	52,464	1/2	37,268	1/2	21,665	1/2	6,036	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,305	3/4	67,716	3/4	52,147	3/4	36,944	3/4	21,340	3/4	5,710	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL
CALCULATED: 03/05/2013 CL
PRINTED: 03/05/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 03/05/2013

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



3 STBD

VILLAGE TABLE

[illegible]

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY:

WARRANT FOR ARREST AND COMMITMENT IN ACCORDANCE WITH MPMS CHAPTER 27.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

THIS TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

PRECISION MEASUREMENT

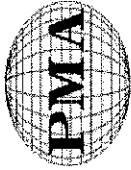
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>

SHEET NO. 11 OF 12



BARGE "CBC 315"

3 STBD ULLAGE TABLE

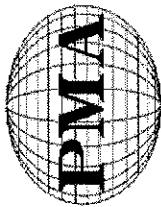
CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	97,791	0	82,240	0	66,689	0	51,160	0	36,255	0	20,667	0	5,054	0					
1/4	97,468	1/4	81,916	1/4	66,344	1/4	50,849	1/4	35,931	1/4	20,341	1/4	4,730	1/4		1/4	1/4	1/4	1/4
1/2	97,145	1/2	81,592	1/2	66,020	1/2	50,539	1/2	35,607	1/2	20,016	1/2	4,405	1/2		1/2	1/2	1/2	1/2
3/4	96,821	3/4	81,267	3/4	65,696	3/4	50,229	3/4	35,283	3/4	19,691	3/4	4,080	3/4		3/4	3/4	3/4	3/4
1	96,498	1	80,943	1	65,371	1	49,918	1	34,958	1	19,365	1	3,756	1		1	1	1	1
1/4	96,175	1/4	80,618	1/4	65,047	1/4	49,608	1/4	34,634	1/4	19,040	1/4	3,437	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,851	1/2	80,294	1/2	64,723	1/2	49,298	1/2	34,310	1/2	18,715	1/2	3,118	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,528	3/4	79,969	3/4	64,398	3/4	48,988	3/4	33,986	3/4	18,390	3/4	2,799	3/4	3/4	3/4	3/4	3/4	3/4
2	95,205	2	79,645	2	64,074	2	48,678	2	33,661	2	18,064	2	2,480	2	2	2	2	2	2
1/4	94,882	1/4	79,321	1/4	63,749	1/4	48,369	1/4	33,337	1/4	17,739	1/4	2,206	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,558	1/2	78,996	1/2	63,425	1/2	48,060	1/2	33,013	1/2	17,414	1/2	1,932	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,235	3/4	78,672	3/4	63,100	3/4	47,750	3/4	32,689	3/4	17,089	3/4	1,657	3/4	3/4	3/4	3/4	3/4	3/4
3	93,912	3	78,347	3	62,776	3	47,441	3	32,364	3	16,763	3	1,383	3	3	3	3	3	3
1/4	93,588	1/4	78,023	1/4	62,452	1/4	47,132	1/4	32,040	1/4	16,438	1/4	1,190	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,265	1/2	77,699	1/2	62,127	1/2	46,823	1/2	31,716	1/2	16,113	1/2	997	1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,942	3/4	77,374	3/4	61,803	3/4	46,514	3/4	31,392	3/4	15,788	3/4	803	3/4	3/4	3/4	3/4	3/4	3/4
4	92,618	4	77,050	4	61,478	4	46,205	4	31,067	4	15,462	4	610	4	4	4	4	4	4
1/4	92,295	1/4	76,725	1/4	61,154	1/4	45,896	1/4	30,743	1/4	15,137	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,971	1/2	76,401	1/2	60,829	1/2	45,587	1/2	30,419	1/2	14,812	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,648	3/4	76,076	3/4	60,506	3/4	45,279	3/4	30,096	3/4	14,486	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	91,324	5	75,752	5	60,181	5	44,970	5	29,770	5	14,161	5	5	5	5	5	5	5	5
1/4	91,000	1/4	75,428	1/4	59,856	1/4	44,661	1/4	29,446	1/4	13,836	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,676	1/2	75,103	1/2	59,532	1/2	44,352	1/2	29,122	1/2	13,511	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,351	3/4	74,779	3/4	59,207	3/4	44,043	3/4	28,797	3/4	13,185	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	90,027	6	74,454	6	58,883	6	43,734	6	28,473	6	12,860	6	6	6	6	6	6	6	6
1/4	89,702	1/4	74,130	1/4	58,558	1/4	43,425	1/4	28,148	1/4	12,535	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,378	1/2	73,805	1/2	58,234	1/2	43,116	1/2	27,822	1/2	12,210	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,053	3/4	73,481	3/4	57,910	3/4	42,807	3/4	27,497	3/4	11,884	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	88,729	7	73,157	7	57,586	7	42,498	7	27,172	7	11,559	7	7	7	7	7	7	7	7
1/4	88,405	1/4	72,832	1/4	57,261	1/4	42,189	1/4	26,847	1/4	11,234	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,080	1/2	72,508	1/2	56,936	1/2	41,880	1/2	26,521	1/2	10,909	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,756	3/4	72,183	3/4	56,612	3/4	41,571	3/4	26,196	3/4	10,583	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	87,431	8	71,859	8	56,288	8	41,263	8	25,871	8	10,258	8	8	8	8	8	8	8	8
1/4	87,107	1/4	71,534	1/4	55,963	1/4	40,954	1/4	25,545	1/4	9,933	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,782	1/2	71,210	1/2	55,639	1/2	40,645	1/2	25,220	1/2	9,608	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,458	3/4	70,886	3/4	55,314	3/4	40,336	3/4	24,895	3/4	9,282	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	86,134	9	70,561	9	54,990	9	40,027	9	24,570	9	8,957	9	9	9	9	9	9	9	9
1/4	85,809	1/4	70,237	1/4	54,665	1/4	39,718	1/4	24,244	1/4	8,632	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,485	1/2	69,912	1/2	54,341	1/2	39,409	1/2	23,919	1/2	8,306	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,160	3/4	69,588	3/4	54,017	3/4	39,100	3/4	23,594	3/4	7,981	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	84,836	10	69,263	10	53,692	10	38,791	10	23,269	10	7,656	10	10	10	10	10	10	10	10
1/4	84,511	1/4	68,939	1/4	53,368	1/4	38,481	1/4	22,943	1/4	7,331	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,187	1/2	68,615	1/2	53,047	1/2	38,171	1/2	22,618	1/2	7,005	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,863	3/4	68,290	3/4	52,724	3/4	37,860	3/4	22,293	3/4	6,680	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	83,538	11	67,966	11	52,401	11	37,550	11	21,968	11	6,355	11	11	11	11	11	11	11	11
1/4	83,214	1/4	67,642	1/4	52,091	1/4	37,226	1/4	21,642	1/4	6,030	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,889	1/2	67,317	1/2	51,781	1/2	36,903	1/2	21,317	1/2	5,705	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,565	3/4	66,993	3/4	51,470	3/4	36,579	3/4	20,992	3/4	5,379	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL
CALCULATED: 03/05/2013 CL
PRINTED: 03/05/2013 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 315"

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>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

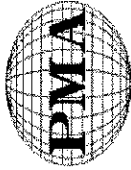
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 238'-03"

March 5, 2013

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

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BARGE "CBC 315"

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

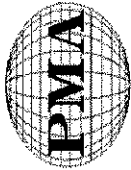
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	584	0	13,222	0	28,390	0	44,000	0	59,686	0	75,387	0	91,088	0	106,789	0	122,490	0	138,190
1/4	719	1/4	13,523	1/4	28,717	1/4	44,324	1/4	60,013	1/4	75,714	1/4	91,415	1/4	107,116	1/4	122,817	1/4	138,517
1/2	854	1/2	13,824	1/2	29,044	1/2	44,649	1/2	60,340	1/2	76,041	1/2	91,742	1/2	107,442	1/2	123,144	1/2	138,844
3/4	988	3/4	14,125	3/4	29,371	3/4	44,973	3/4	60,667	3/4	76,368	3/4	92,069	3/4	107,770	3/4	123,471	3/4	139,171
1	1,123	1	14,425	1	29,698	1	45,297	1	60,994	1	76,695	1	92,396	1	108,097	1	123,798	1	139,498
1/4	1,335	1/4	14,729	1/4	30,026	1/4	45,624	1/4	61,321	1/4	77,022	1/4	92,723	1/4	108,424	1/4	124,126	1/4	139,825
1/2	1,547	1/2	15,034	1/2	30,353	1/2	45,950	1/2	61,648	1/2	77,349	1/2	93,051	1/2	108,752	1/2	124,453	1/2	140,152
3/4	1,759	3/4	15,338	3/4	30,680	3/4	46,277	3/4	61,975	3/4	77,677	3/4	93,378	3/4	109,079	3/4	124,780	3/4	140,479
2	1,971	2	15,642	2	31,007	2	46,603	2	62,303	2	78,004	2	93,705	2	109,406	2	125,107	2	140,806
1/4	2,232	1/4	15,949	1/4	31,334	1/4	46,930	1/4	62,630	1/4	78,331	1/4	94,032	1/4	109,733	1/4	125,434	1/4	141,133
1/2	2,492	1/2	16,257	1/2	31,661	1/2	47,257	1/2	62,957	1/2	78,658	1/2	94,359	1/2	110,060	1/2	125,761	1/2	141,460
3/4	2,752	3/4	16,564	3/4	31,988	3/4	47,583	3/4	63,284	3/4	78,985	3/4	94,686	3/4	110,387	3/4	126,088	3/4	141,787
3	3,012	3	16,872	3	32,315	3	47,910	3	63,611	3	79,312	3	95,013	3	110,714	3	126,415	3	142,114
1/4	3,282	1/4	17,183	1/4	32,641	1/4	48,237	1/4	63,938	1/4	79,639	1/4	95,340	1/4	111,041	1/4	126,742	1/4	142,441
1/2	3,551	1/2	17,494	1/2	32,966	1/2	48,564	1/2	64,265	1/2	79,966	1/2	95,667	1/2	111,368	1/2	127,070	1/2	142,768
3/4	3,821	3/4	17,805	3/4	33,291	3/4	48,891	3/4	64,592	3/4	80,293	3/4	95,994	3/4	111,696	3/4	127,397	3/4	143,095
4	4,080	4	18,116	4	33,617	4	49,218	4	64,919	4	80,620	4	96,322	4	112,023	4	127,724	4	143,422
1/4	4,353	1/4	18,430	1/4	33,942	1/4	49,545	1/4	65,247	1/4	80,948	1/4	96,649	1/4	112,350	1/4	128,051	1/4	143,749
1/2	4,637	1/2	18,744	1/2	34,267	1/2	49,873	1/2	65,574	1/2	81,275	1/2	96,976	1/2	112,677	1/2	128,378	1/2	144,076
3/4	4,910	3/4	19,059	3/4	34,592	3/4	50,200	3/4	65,901	3/4	81,602	3/4	97,303	3/4	113,004	3/4	128,705	3/4	144,403
5	5,184	5	19,373	5	34,917	5	50,527	5	66,228	5	81,929	5	97,630	5	113,331	5	129,032	5	144,730
1/4	5,460	1/4	19,691	1/4	35,241	1/4	50,854	1/4	66,555	1/4	82,256	1/4	97,957	1/4	113,658	1/4	129,359	1/4	145,057
1/2	5,737	1/2	20,008	1/2	35,566	1/2	51,181	1/2	66,882	1/2	82,583	1/2	98,284	1/2	113,986	1/2	129,686	1/2	145,384
3/4	6,014	3/4	20,326	3/4	35,890	3/4	51,508	3/4	67,209	3/4	82,910	3/4	98,611	3/4	114,312	3/4	130,013	3/4	145,711
6	6,291	6	20,644	6	36,215	6	51,835	6	67,536	6	83,237	6	98,938	6	114,639	6	130,341	6	146,038
1/4	6,571	1/4	20,965	1/4	36,539	1/4	52,162	1/4	67,863	1/4	83,564	1/4	99,266	1/4	114,967	1/4	130,668	1/4	146,365
1/2	6,852	1/2	21,286	1/2	36,864	1/2	52,489	1/2	68,190	1/2	83,892	1/2	99,593	1/2	115,294	1/2	130,995	1/2	146,692
3/4	7,132	3/4	21,607	3/4	37,188	3/4	52,816	3/4	68,518	3/4	84,219	3/4	99,920	3/4	115,621	3/4	131,322	3/4	147,019
7	7,412	7	21,928	7	37,512	7	53,144	7	68,845	7	84,546	7	100,247	7	115,948	7	131,649	7	147,346
1/4	7,696	1/4	22,245	1/4	37,837	1/4	53,471	1/4	69,172	1/4	84,873	1/4	100,574	1/4	116,275	1/4	131,976	1/4	147,673
1/2	7,980	1/2	22,562	1/2	38,161	1/2	53,798	1/2	69,499	1/2	85,200	1/2	100,901	1/2	116,602	1/2	132,303	1/2	148,000
3/4	8,263	3/4	22,879	3/4	38,486	3/4	54,125	3/4	69,828	3/4	85,527	3/4	101,228	3/4	116,929	3/4	132,630	3/4	148,327
8	8,547	8	23,196	8	38,810	8	54,452	8	70,153	8	85,854	8	101,555	8	117,256	8	132,957	8	148,654
1/4	8,834	1/4	23,514	1/4	39,134	1/4	54,779	1/4	70,480	1/4	86,181	1/4	101,882	1/4	117,583	1/4	133,284	1/4	148,982
1/2	9,121	1/2	23,833	1/2	39,459	1/2	55,106	1/2	70,807	1/2	86,508	1/2	102,209	1/2	117,911	1/2	133,611	1/2	149,309
3/4	9,408	3/4	24,151	3/4	39,783	3/4	55,433	3/4	71,134	3/4	86,835	3/4	102,537	3/4	118,238	3/4	133,938	3/4	149,636
9	9,695	9	24,469	9	40,107	9	55,760	9	71,462	9	87,163	9	102,864	9	118,565	9	134,265	9	149,963
1/4	9,986	1/4	24,795	1/4	40,432	1/4	56,088	1/4	71,789	1/4	87,490	1/4	103,191	1/4	118,892	1/4	134,592	1/4	150,290
1/2	10,277	1/2	25,121	1/2	40,756	1/2	56,415	1/2	72,116	1/2	87,817	1/2	103,518	1/2	119,219	1/2	134,919	1/2	150,617
3/4	10,567	3/4	25,447	3/4	41,081	3/4	56,742	3/4	72,443	3/4	88,144	3/4	103,845	3/4	119,546	3/4	135,246	3/4	150,944
10	10,858	10	25,773	10	41,405	10	57,069	10	72,770	10	88,471	10	104,172	10	119,873	10	135,573	10	151,271
1/4	11,151	1/4	26,100	1/4	41,729	1/4	57,396	1/4	73,097	1/4	88,798	1/4	104,499	1/4	120,200	1/4	135,900	1/4	151,598
1/2	11,445	1/2	26,428	1/2	42,054	1/2	57,723	1/2	73,424	1/2	89,125	1/2	104,826	1/2	120,527	1/2	136,227	1/2	151,925
3/4	11,739	3/4	26,755	3/4	42,378	3/4	58,050	3/4	73,751	3/4	89,452	3/4	105,153	3/4	120,855	3/4	136,554	3/4	152,252
11	12,033	11	27,082	11	42,702	11	58,377	11	74,078	11	89,779	11	105,481	11	121,182	11	136,881	11	152,579
1/4	12,330	1/4	27,409	1/4	43,027	1/4	58,704	1/4	74,405	1/4	90,107	1/4	105,808	1/4	121,509	1/4	137,209	1/4	152,906
1/2	12,628	1/2	27,736	1/2	43,351	1/2	59,032	1/2	74,733	1/2	90,434	1/2	106,135	1/2	121,836	1/2	137,536	1/2	153,233
3/4	12,925	3/4	28,063	3/4	43,676	3/4	59,359	3/4	75,060	3/4	90,761	3/4	106,462	3/4	122,163	3/4	137,863	3/4	153,560

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "CBC 315"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	163,887	0	169,584	0	185,210	0	200,819	0	216,341	0	231,871	0	247,407	0	262,948	0	278,494	0	294,045
1/4	164,214	1/4	169,911	1/4	185,535	1/4	201,145	1/4	216,655	1/4	232,185	1/4	247,717	1/4	263,254	1/4	278,791	1/4	294,332
1/2	154,541	1/2	170,238	1/2	185,860	1/2	201,470	1/2	216,968	1/2	232,500	1/2	248,031	1/2	263,598	1/2	279,135	1/2	294,679
3/4	154,868	3/4	170,565	3/4	186,185	3/4	201,795	3/4	217,281	3/4	232,817	3/4	248,287	3/4	263,887	3/4	279,422	3/4	294,976
1	165,195	1	170,892	1	186,510	1	202,120	1	217,594	1	233,117	1	248,591	1	264,115	1	279,646	1	295,181
1/4	165,522	1/4	171,219	1/4	186,836	1/4	202,445	1/4	217,917	1/4	233,442	1/4	248,918	1/4	264,442	1/4	280,000	1/4	295,508
1/2	155,849	1/2	171,546	1/2	187,161	1/2	202,771	1/2	218,240	1/2	233,769	1/2	249,246	1/2	264,769	1/2	280,327	1/2	295,835
3/4	156,176	3/4	171,873	3/4	187,486	3/4	203,096	3/4	218,557	3/4	234,096	3/4	249,575	3/4	265,087	3/4	280,646	3/4	296,162
2	166,503	2	172,201	2	187,811	2	203,421	2	218,866	2	234,421	2	250,000	2	265,411	2	280,967	2	296,489
1/4	166,830	1/4	172,526	1/4	188,136	1/4	203,746	1/4	219,180	1/4	234,746	1/4	250,325	1/4	265,736	1/4	281,288	1/4	296,816
1/2	157,157	1/2	172,851	1/2	188,462	1/2	204,071	1/2	219,495	1/2	235,071	1/2	250,650	1/2	266,061	1/2	281,609	1/2	297,143
3/4	157,484	3/4	173,177	3/4	188,787	3/4	204,397	3/4	219,810	3/4	235,396	3/4	250,975	3/4	266,386	3/4	281,930	3/4	297,470
3	167,811	3	173,502	3	189,112	3	204,722	3	219,565	3	235,722	3	251,300	3	266,711	3	282,251	3	297,797
1/4	168,138	1/4	173,827	1/4	189,437	1/4	205,047	1/4	219,880	1/4	236,047	1/4	251,625	1/4	267,036	1/4	282,572	1/4	298,124
1/2	158,465	1/2	174,153	1/2	189,762	1/2	205,372	1/2	220,195	1/2	236,372	1/2	251,950	1/2	267,361	1/2	282,893	1/2	298,451
3/4	158,792	3/4	174,478	3/4	190,088	3/4	205,697	3/4	220,516	3/4	236,697	3/4	252,275	3/4	267,686	3/4	283,214	3/4	298,778
4	159,119	4	174,803	4	190,413	4	206,023	4	220,841	4	237,023	4	252,600	4	268,011	4	283,535	4	299,105
1/4	159,446	1/4	175,128	1/4	190,738	1/4	206,348	1/4	221,166	1/4	237,348	1/4	252,925	1/4	268,336	1/4	283,856	1/4	299,432
1/2	159,773	1/2	175,453	1/2	191,063	1/2	206,673	1/2	221,491	1/2	237,673	1/2	253,250	1/2	268,661	1/2	284,177	1/2	299,759
3/4	160,100	3/4	175,779	3/4	191,388	3/4	206,998	3/4	221,816	3/4	238,000	3/4	253,575	3/4	268,986	3/4	284,502	3/4	300,086
5	160,428	5	176,104	5	191,714	5	207,323	5	222,140	5	238,325	5	253,900	5	269,311	5	284,827	5	300,413
1/4	160,755	1/4	176,429	1/4	192,039	1/4	207,649	1/4	222,465	1/4	238,650	1/4	254,225	1/4	269,636	1/4	285,152	1/4	300,740
1/2	161,082	1/2	176,754	1/2	192,364	1/2	207,974	1/2	222,790	1/2	238,975	1/2	254,550	1/2	270,000	1/2	285,477	1/2	301,067
3/4	161,409	3/4	177,079	3/4	192,689	3/4	208,299	3/4	223,115	3/4	239,300	3/4	254,875	3/4	270,325	3/4	285,802	3/4	301,394
6	161,736	6	177,405	6	193,014	6	208,624	6	223,440	6	239,625	6	255,200	6	270,650	6	286,127	6	301,721
1/4	162,063	1/4	177,730	1/4	193,340	1/4	208,949	1/4	223,765	1/4	240,000	1/4	255,525	1/4	270,975	1/4	286,452	1/4	302,048
1/2	162,390	1/2	178,055	1/2	193,665	1/2	209,275	1/2	224,090	1/2	240,325	1/2	255,850	1/2	271,300	1/2	286,777	1/2	302,375
3/4	162,717	3/4	178,380	3/4	193,990	3/4	209,600	3/4	224,415	3/4	240,650	3/4	256,175	3/4	271,625	3/4	287,102	3/4	302,702
7	163,044	7	178,705	7	194,315	7	209,925	7	224,740	7	240,975	7	256,500	7	271,950	7	287,427	7	303,029
1/4	163,371	1/4	179,031	1/4	194,640	1/4	210,247	1/4	225,065	1/4	241,300	1/4	256,825	1/4	272,275	1/4	287,752	1/4	303,356
1/2	163,698	1/2	179,356	1/2	194,966	1/2	210,569	1/2	225,390	1/2	241,625	1/2	257,150	1/2	272,600	1/2	288,077	1/2	303,683
3/4	164,025	3/4	179,681	3/4	195,291	3/4	210,891	3/4	225,715	3/4	241,950	3/4	257,475	3/4	272,925	3/4	288,402	3/4	304,010
8	164,352	8	180,006	8	195,616	8	211,214	8	226,036	8	242,275	8	257,800	8	273,250	8	288,727	8	304,337
1/4	164,679	1/4	180,332	1/4	195,941	1/4	211,535	1/4	226,361	1/4	242,600	1/4	258,125	1/4	273,575	1/4	289,052	1/4	304,664
1/2	165,006	1/2	180,657	1/2	196,267	1/2	211,857	1/2	226,686	1/2	242,925	1/2	258,450	1/2	273,900	1/2	289,377	1/2	304,991
3/4	165,333	3/4	180,982	3/4	196,592	3/4	212,178	3/4	227,011	3/4	243,250	3/4	258,775	3/4	274,225	3/4	289,702	3/4	305,318
9	165,660	9	181,307	9	196,917	9	212,500	9	227,336	9	243,575	9	259,100	9	274,550	9	290,027	9	305,645
1/4	165,987	1/4	181,632	1/4	197,242	1/4	212,821	1/4	227,661	1/4	243,900	1/4	259,425	1/4	274,875	1/4	290,352	1/4	305,972
1/2	166,314	1/2	181,958	1/2	197,567	1/2	213,142	1/2	227,986	1/2	244,225	1/2	259,750	1/2	275,200	1/2	290,677	1/2	306,299
3/4	166,641	3/4	182,283	3/4	197,893	3/4	213,463	3/4	228,311	3/4	244,550	3/4	260,075	3/4	275,525	3/4	291,002	3/4	306,626
10	166,968	10	182,608	10	198,218	10	213,784	10	228,636	10	244,875	10	260,400	10	275,850	10	291,327	10	306,953
1/4	167,295	1/4	182,933	1/4	198,543	1/4	214,104	1/4	228,961	1/4	245,200	1/4	260,725	1/4	276,175	1/4	291,652	1/4	307,280
1/2	167,622	1/2	183,258	1/2	198,868	1/2	214,424	1/2	229,286	1/2	245,525	1/2	261,050	1/2	276,500	1/2	291,977	1/2	307,607
3/4	167,949	3/4	183,584	3/4	199,193	3/4	214,745	3/4	229,607	3/4	245,850	3/4	261,375	3/4	276,825	3/4	292,302	3/4	307,934
11	168,276	11	183,909	11	199,519	11	215,065	11	229,932	11	246,175	11	261,700	11	277,150	11	292,627	11	308,261
1/4	168,603	1/4	184,234	1/4	199,844	1/4	215,384	1/4	230,257	1/4	246,500	1/4	262,025	1/4	277,475	1/4	292,952	1/4	308,588
1/2	168,930	1/2	184,559	1/2	200,169	1/2	215,703	1/2	230,582	1/2	246,825	1/2	262,350	1/2	277,800	1/2	293,277	1/2	308,915
3/4	169,257	3/4	184,884	3/4	200,494	3/4	216,022	3/4	230,907	3/4	247,150	3/4	262,675	3/4	278,125	3/4	293,602	3/4	309,242

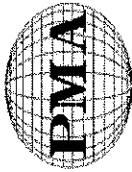
STRAPPED: 03/05/2013 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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

Joe Johnson

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.



BARGE "CBC 315"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4	IN	1/4
0	584	0	13,228	0	28,403	0	44,073	0	59,775	0	75,484	0	91,192	0	106,901	0	122,609	0	138,316
1/4	719	1/4	13,529	1/4	28,731	1/4	44,399	1/4	60,102	1/4	75,811	1/4	91,519	1/4	107,228	1/4	122,936	1/4	138,643
1/2	854	1/2	13,830	1/2	29,058	1/2	44,726	1/2	60,430	1/2	76,138	1/2	91,847	1/2	107,555	1/2	123,264	1/2	138,971
3/4	989	3/4	14,131	3/4	29,385	3/4	45,052	3/4	60,757	3/4	76,465	3/4	92,174	3/4	107,882	3/4	123,591	3/4	139,298
1	1,123	1	14,432	1	29,712	1	45,379	1	61,084	1	76,793	1	92,501	1	108,210	1	123,918	1	139,625
1/4	1,336	1/4	14,736	1/4	30,039	1/4	45,706	1/4	61,411	1/4	77,120	1/4	92,828	1/4	108,537	1/4	124,245	1/4	139,952
1/2	1,548	1/2	15,040	1/2	30,366	1/2	46,033	1/2	61,739	1/2	77,447	1/2	93,156	1/2	108,864	1/2	124,573	1/2	140,279
3/4	1,760	3/4	15,345	3/4	30,693	3/4	46,359	3/4	62,066	3/4	77,774	3/4	93,483	3/4	109,191	3/4	124,900	3/4	140,606
2	1,972	2	15,649	2	31,020	2	46,686	2	62,393	2	78,102	2	93,810	2	109,519	2	125,227	2	140,934
1/4	2,233	1/4	15,957	1/4	31,346	1/4	47,013	1/4	62,720	1/4	78,429	1/4	94,137	1/4	109,846	1/4	125,554	1/4	141,261
1/2	2,493	1/2	16,264	1/2	31,673	1/2	47,340	1/2	63,048	1/2	78,756	1/2	94,465	1/2	110,173	1/2	125,882	1/2	141,588
3/4	2,753	3/4	16,572	3/4	32,000	3/4	47,667	3/4	63,375	3/4	79,083	3/4	94,792	3/4	110,500	3/4	126,209	3/4	141,915
3	3,013	3	16,880	3	32,327	3	47,994	3	63,702	3	79,411	3	95,119	3	110,828	3	126,536	3	142,242
1/4	3,283	1/4	17,191	1/4	32,654	1/4	48,321	1/4	64,029	1/4	79,738	1/4	95,446	1/4	111,155	1/4	126,864	1/4	142,570
1/2	3,553	1/2	17,502	1/2	32,980	1/2	48,648	1/2	64,357	1/2	80,065	1/2	95,774	1/2	111,482	1/2	127,191	1/2	142,897
3/4	3,822	3/4	17,813	3/4	33,307	3/4	48,975	3/4	64,684	3/4	80,392	3/4	96,101	3/4	111,810	3/4	127,518	3/4	143,224
4	4,092	4	18,124	4	33,634	4	49,303	4	65,011	4	80,720	4	96,428	4	112,137	4	127,845	4	143,551
1/4	4,365	1/4	18,438	1/4	33,961	1/4	49,630	1/4	65,338	1/4	81,047	1/4	96,756	1/4	112,464	1/4	128,173	1/4	143,878
1/2	4,639	1/2	18,753	1/2	34,287	1/2	49,957	1/2	65,666	1/2	81,374	1/2	97,083	1/2	112,791	1/2	128,500	1/2	144,205
3/4	4,912	3/4	19,067	3/4	34,614	3/4	50,284	3/4	65,993	3/4	81,702	3/4	97,410	3/4	113,119	3/4	128,827	3/4	144,533
5	5,186	5	19,382	5	34,941	5	50,612	5	66,320	5	82,029	5	97,737	5	113,446	5	129,154	5	144,860
1/4	5,463	1/4	19,700	1/4	35,267	1/4	50,939	1/4	66,647	1/4	82,356	1/4	98,065	1/4	113,773	1/4	129,482	1/4	145,187
1/2	5,740	1/2	20,018	1/2	35,593	1/2	51,266	1/2	66,975	1/2	82,683	1/2	98,392	1/2	114,100	1/2	129,809	1/2	145,514
3/4	6,017	3/4	20,335	3/4	35,919	3/4	51,593	3/4	67,302	3/4	83,011	3/4	98,719	3/4	114,428	3/4	130,136	3/4	145,841
6	6,294	6	20,653	6	36,246	6	51,921	6	67,629	6	83,338	6	99,046	6	114,755	6	130,463	6	146,169
1/4	6,574	1/4	20,975	1/4	36,572	1/4	52,248	1/4	67,957	1/4	83,665	1/4	99,374	1/4	115,082	1/4	130,791	1/4	146,496
1/2	6,855	1/2	21,296	1/2	36,898	1/2	52,575	1/2	68,284	1/2	83,992	1/2	99,701	1/2	115,409	1/2	131,118	1/2	146,823
3/4	7,135	3/4	21,617	3/4	37,224	3/4	52,903	3/4	68,611	3/4	84,320	3/4	100,028	3/4	115,737	3/4	131,445	3/4	147,150
7	7,416	7	21,938	7	37,550	7	53,230	7	68,938	7	84,647	7	100,355	7	116,064	7	131,772	7	147,477
1/4	7,699	1/4	22,256	1/4	37,876	1/4	53,557	1/4	69,266	1/4	84,974	1/4	100,683	1/4	116,391	1/4	132,100	1/4	147,804
1/2	7,983	1/2	22,573	1/2	38,202	1/2	53,884	1/2	69,593	1/2	85,301	1/2	101,010	1/2	116,718	1/2	132,427	1/2	148,132
3/4	8,267	3/4	22,890	3/4	38,528	3/4	54,212	3/4	69,920	3/4	85,629	3/4	101,337	3/4	117,046	3/4	132,754	3/4	148,459
8	8,551	8	23,207	8	38,854	8	54,539	8	70,247	8	85,956	8	101,664	8	117,373	8	133,081	8	148,786
1/4	8,838	1/4	23,525	1/4	39,180	1/4	54,866	1/4	70,575	1/4	86,283	1/4	101,992	1/4	117,700	1/4	133,408	1/4	149,113
1/2	9,125	1/2	23,844	1/2	39,506	1/2	55,193	1/2	70,902	1/2	86,610	1/2	102,319	1/2	118,027	1/2	133,736	1/2	149,440
3/4	9,413	3/4	24,162	3/4	39,832	3/4	55,521	3/4	71,229	3/4	86,938	3/4	102,646	3/4	118,355	3/4	134,063	3/4	149,768
9	9,700	9	24,481	9	40,158	9	55,848	9	71,556	9	87,265	9	102,973	9	118,682	9	134,390	9	150,095
1/4	9,991	1/4	24,807	1/4	40,484	1/4	56,175	1/4	71,884	1/4	87,592	1/4	103,301	1/4	119,009	1/4	134,717	1/4	150,422
1/2	10,281	1/2	25,133	1/2	40,811	1/2	56,502	1/2	72,211	1/2	87,919	1/2	103,628	1/2	119,337	1/2	135,044	1/2	150,749
3/4	10,572	3/4	25,459	3/4	41,137	3/4	56,830	3/4	72,538	3/4	88,247	3/4	103,955	3/4	119,664	3/4	135,372	3/4	151,076
10	10,862	10	25,785	10	41,463	10	57,157	10	72,865	10	88,574	10	104,283	10	119,991	10	135,699	10	151,403
1/4	11,156	1/4	26,112	1/4	41,789	1/4	57,484	1/4	73,193	1/4	88,901	1/4	104,610	1/4	120,318	1/4	136,026	1/4	151,731
1/2	11,451	1/2	26,440	1/2	42,115	1/2	57,811	1/2	73,520	1/2	89,229	1/2	104,937	1/2	120,646	1/2	136,353	1/2	152,058
3/4	11,745	3/4	26,767	3/4	42,441	3/4	58,139	3/4	73,847	3/4	89,556	3/4	105,264	3/4	120,973	3/4	136,680	3/4	152,385
11	12,039	11	27,094	11	42,767	11	58,466	11	74,175	11	89,883	11	105,592	11	121,300	11	137,007	11	152,712
1/4	12,336	1/4	27,421	1/4	43,093	1/4	58,793	1/4	74,502	1/4	90,210	1/4	105,919	1/4	121,627	1/4	137,335	1/4	153,039
1/2	12,634	1/2	27,749	1/2	43,420	1/2	59,120	1/2	74,829	1/2	90,538	1/2	106,246	1/2	121,955	1/2	137,662	1/2	153,367
3/4	12,931	3/4	28,076	3/4	43,746	3/4	59,448	3/4	75,156	3/4	90,865	3/4	106,573	3/4	122,282	3/4	137,989	3/4	153,694

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

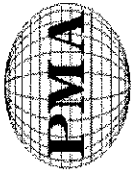
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

Signature



BARGE "CBC 315"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	154,021	0	169,726	0	185,358	0	200,976	0	216,505	0	231,944	0	247,293	0	262,552	0	277,721	0	292,800	0	307,789
1/4	154,348	1/4	170,053	1/4	185,684	1/4	201,301	1/4	216,818	1/4	232,257	1/4	247,606	1/4	262,865	1/4	278,124	1/4	293,383	1/4	308,642
1/2	154,675	1/2	170,380	1/2	186,009	1/2	201,626	1/2	217,132	1/2	232,571	1/2	247,920	1/2	263,179	1/2	278,438	1/2	293,697	1/2	308,956
3/4	155,003	3/4	170,707	3/4	186,335	3/4	201,952	3/4	217,445	3/4	232,895	3/4	248,244	3/4	263,503	3/4	278,762	3/4	294,021	3/4	309,280
1	155,330	1	171,034	1	186,660	1	202,277	1	217,759	1	233,218	1	248,567	1	263,832	1	279,091	1	294,350	1	309,609
1/4	155,657	1/4	171,362	1/4	186,985	1/4	202,602	1/4	218,032	1/4	233,471	1/4	248,816	1/4	264,085	1/4	279,340	1/4	294,609	1/4	310,168
1/2	155,984	1/2	171,689	1/2	187,311	1/2	202,928	1/2	218,305	1/2	233,705	1/2	249,049	1/2	264,319	1/2	279,574	1/2	294,838	1/2	310,397
3/4	156,311	3/4	172,016	3/4	187,636	3/4	203,253	3/4	218,578	3/4	234,038	3/4	249,282	3/4	264,553	3/4	280,098	3/4	295,067	3/4	310,626
2	156,638	2	172,343	2	187,961	2	203,579	2	218,851	2	234,319	2	249,563	2	264,826	2	280,371	2	295,336	2	310,855
1/4	156,966	1/4	172,669	1/4	188,287	1/4	203,904	1/4	219,071	1/4	234,599	1/4	250,032	1/4	265,099	1/4	280,645	1/4	295,605	1/4	311,084
1/2	157,293	1/2	172,994	1/2	188,612	1/2	204,229	1/2	219,290	1/2	234,879	1/2	250,303	1/2	265,372	1/2	280,918	1/2	295,878	1/2	311,313
3/4	157,620	3/4	173,320	3/4	188,937	3/4	204,556	3/4	219,510	3/4	235,159	3/4	250,617	3/4	265,645	3/4	281,183	3/4	296,148	3/4	311,542
3	157,947	3	173,646	3	189,263	3	204,880	3	219,730	3	235,439	3	250,891	3	265,918	3	281,458	3	296,418	3	311,771
1/4	158,274	1/4	173,971	1/4	189,588	1/4	205,205	1/4	219,895	1/4	235,719	1/4	251,162	1/4	266,187	1/4	281,723	1/4	296,688	1/4	312,000
1/2	158,602	1/2	174,296	1/2	189,913	1/2	205,531	1/2	220,060	1/2	236,000	1/2	251,435	1/2	266,460	1/2	282,033	1/2	296,958	1/2	312,229
3/4	158,929	3/4	174,622	3/4	190,239	3/4	205,856	3/4	220,339	3/4	236,279	3/4	251,709	3/4	266,733	3/4	282,303	3/4	297,228	3/4	312,458
4	159,256	4	174,947	4	190,564	4	206,181	4	220,618	4	236,559	4	252,038	4	267,007	4	282,578	4	297,498	4	312,687
1/4	159,583	1/4	175,272	1/4	190,890	1/4	206,507	1/4	220,897	1/4	236,838	1/4	252,312	1/4	267,280	1/4	282,842	1/4	297,768	1/4	312,916
1/2	159,910	1/2	175,598	1/2	191,215	1/2	206,832	1/2	221,176	1/2	237,118	1/2	252,586	1/2	267,553	1/2	283,106	1/2	298,038	1/2	313,145
3/4	160,237	3/4	175,923	3/4	191,540	3/4	207,157	3/4	221,455	3/4	237,397	3/4	252,860	3/4	267,826	3/4	283,370	3/4	298,308	3/4	313,374
5	160,565	5	176,248	5	191,866	5	207,483	5	221,734	5	237,676	5	253,134	5	268,099	5	283,634	5	298,578	5	313,603
1/4	160,892	1/4	176,574	1/4	192,191	1/4	207,808	1/4	222,013	1/4	237,955	1/4	253,408	1/4	268,372	1/4	283,898	1/4	298,848	1/4	313,832
1/2	161,219	1/2	176,899	1/2	192,516	1/2	208,134	1/2	222,292	1/2	238,234	1/2	253,682	1/2	268,646	1/2	284,162	1/2	299,118	1/2	314,061
3/4	161,546	3/4	177,224	3/4	192,842	3/4	208,459	3/4	222,571	3/4	238,513	3/4	253,951	3/4	268,915	3/4	284,426	3/4	299,388	3/4	314,290
6	161,873	6	177,550	6	193,167	6	208,784	6	222,850	6	238,792	6	254,220	6	269,183	6	284,690	6	299,658	6	314,519
1/4	162,201	1/4	177,875	1/4	193,492	1/4	209,110	1/4	223,129	1/4	239,071	1/4	254,494	1/4	269,457	1/4	284,954	1/4	299,928	1/4	314,748
1/2	162,528	1/2	178,201	1/2	193,818	1/2	209,435	1/2	223,408	1/2	239,350	1/2	254,768	1/2	269,731	1/2	285,218	1/2	300,198	1/2	314,977
3/4	162,855	3/4	178,526	3/4	194,143	3/4	209,760	3/4	223,687	3/4	239,630	3/4	255,038	3/4	270,009	3/4	285,482	3/4	300,468	3/4	315,206
7	163,182	7	178,851	7	194,468	7	210,086	7	223,966	7	239,909	7	255,312	7	270,283	7	285,746	7	300,738	7	315,435
1/4	163,509	1/4	179,177	1/4	194,794	1/4	210,408	1/4	224,245	1/4	240,188	1/4	255,586	1/4	270,557	1/4	286,010	1/4	301,008	1/4	315,664
1/2	163,836	1/2	179,502	1/2	195,119	1/2	210,730	1/2	224,524	1/2	240,467	1/2	255,860	1/2	270,831	1/2	286,274	1/2	301,278	1/2	315,893
3/4	164,164	3/4	179,827	3/4	195,445	3/4	211,052	3/4	224,803	3/4	240,746	3/4	256,134	3/4	271,103	3/4	286,538	3/4	301,548	3/4	316,122
8	164,491	8	180,153	8	195,770	8	211,375	8	225,081	8	241,025	8	256,408	8	271,374	8	286,802	8	301,818	8	316,351
1/4	164,818	1/4	180,478	1/4	196,095	1/4	211,696	1/4	225,360	1/4	241,304	1/4	256,682	1/4	271,648	1/4	287,066	1/4	302,088	1/4	316,580
1/2	165,145	1/2	180,803	1/2	196,421	1/2	212,018	1/2	225,639	1/2	241,583	1/2	256,956	1/2	271,919	1/2	287,330	1/2	302,358	1/2	316,809
3/4	165,472	3/4	181,129	3/4	196,746	3/4	212,340	3/4	225,918	3/4	241,862	3/4	257,230	3/4	272,190	3/4	287,594	3/4	302,628	3/4	317,038
9	165,800	9	181,454	9	197,071	9	212,661	9	226,197	9	242,141	9	257,504	9	272,469	9	287,858	9	302,898	9	317,267
1/4	166,127	1/4	181,780	1/4	197,397	1/4	212,983	1/4	226,476	1/4	242,420	1/4	257,778	1/4	272,740	1/4	288,122	1/4	303,168	1/4	317,496
1/2	166,454	1/2	182,105	1/2	197,722	1/2	213,304	1/2	226,755	1/2	242,699	1/2	258,052	1/2	273,012	1/2	288,386	1/2	303,438	1/2	317,725
3/4	166,781	3/4	182,430	3/4	198,047	3/4	213,625	3/4	227,034	3/4	242,978	3/4	258,326	3/4	273,284	3/4	288,650	3/4	303,708	3/4	317,954
10	167,108	10	182,756	10	198,373	10	213,946	10	227,313	10	243,257	10	258,601	10	273,553	10	288,914	10	303,978	10	318,183
1/4	167,435	1/4	183,081	1/4	198,698	1/4	214,267	1/4	227,592	1/4	243,536	1/4	258,874	1/4	273,822	1/4	289,178	1/4	304,248	1/4	318,412
1/2	167,763	1/2	183,406	1/2	199,023	1/2	214,587	1/2	227,871	1/2	243,815	1/2	259,150	1/2	274,091	1/2	289,442	1/2	304,518	1/2	318,641
3/4	168,090	3/4	183,732	3/4	199,349	3/4	214,908	3/4	228,150	3/4	244,094	3/4	259,428	3/4	274,365	3/4	289,706	3/4	304,788	3/4	318,870
11	168,417	11	184,057	11	199,674	11	215,228	11	228,429	11	244,373	11	259,701	11	274,639	11	290,010	11	305,058	11	319,099
1/4	168,744	1/4	184,382	1/4	200,000	1/4	215,547	1/4	228,708	1/4	244,652	1/4	260,025	1/4	274,914	1/4	290,274	1/4	305,328	1/4	319,328
1/2	169,071	1/2	184,708	1/2	200,325	1/2	215,866	1/2	229,029	1/2	244,931	1/2	260,303	1/2	275,180	1/2	290,544	1/2	305,598	1/2	319,557
3/4	169,399	3/4	185,033	3/4	200,650	3/4	216,186	3/4	229,308	3/4	245,210	3/4	260,576	3/4	275,450	3/4	290,814	3/4	305,868	3/4	319,786

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL
CALCULATED: 03/05/2013 CL
PRINTED: 03/05/2013 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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

Paul J. Mac



BARGE "CBC 315"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	593	0	15,005	0	30,156	0	45,127	0	60,199	0	75,351	0	90,502	0	105,653	0	120,804	0	135,954
1/4	780	1/4	15,321	1/4	30,472	1/4	45,436	1/4	60,515	1/4	75,666	1/4	90,818	1/4	105,969	1/4	121,120	1/4	136,270
1/2	968	1/2	15,637	1/2	30,788	1/2	45,745	1/2	60,831	1/2	75,982	1/2	91,133	1/2	106,284	1/2	121,436	1/2	136,585
3/4	1,155	3/4	15,952	3/4	31,103	3/4	46,054	3/4	61,146	3/4	76,298	3/4	91,449	3/4	106,600	3/4	121,751	3/4	136,901
1	1,342	1	16,268	1	31,419	1	46,364	1	61,452	1	76,613	1	91,764	1	106,916	1	122,067	1	137,217
1/4	1,609	1/4	16,584	1/4	31,735	1/4	46,673	1/4	61,778	1/4	76,929	1/4	92,080	1/4	107,231	1/4	122,383	1/4	137,532
1/2	1,875	1/2	16,899	1/2	32,050	1/2	46,982	1/2	62,093	1/2	77,244	1/2	92,396	1/2	107,547	1/2	122,698	1/2	137,848
3/4	2,141	3/4	17,215	3/4	32,366	3/4	47,292	3/4	62,409	3/4	77,560	3/4	92,711	3/4	107,863	3/4	123,014	3/4	138,163
2	2,407	2	17,531	2	32,681	2	47,601	2	62,724	2	77,876	2	93,027	2	108,178	2	123,330	2	138,479
1/4	2,717	1/4	17,846	1/4	32,997	1/4	47,911	1/4	63,040	1/4	78,191	1/4	93,343	1/4	108,494	1/4	123,645	1/4	138,794
1/2	3,026	1/2	18,162	1/2	33,313	1/2	48,220	1/2	63,356	1/2	78,507	1/2	93,658	1/2	108,810	1/2	123,961	1/2	139,110
3/4	3,336	3/4	18,478	3/4	33,628	3/4	48,529	3/4	63,671	3/4	78,823	3/4	93,974	3/4	109,125	3/4	124,277	3/4	139,426
3	3,646	3	18,793	3	33,944	3	48,839	3	63,987	3	79,138	3	94,290	3	109,441	3	124,592	3	139,741
1/4	3,960	1/4	19,109	1/4	34,260	1/4	49,154	1/4	64,303	1/4	79,454	1/4	94,605	1/4	109,757	1/4	124,908	1/4	140,057
1/2	4,275	1/2	19,424	1/2	34,575	1/2	49,469	1/2	64,618	1/2	79,770	1/2	94,921	1/2	110,072	1/2	125,224	1/2	140,372
3/4	4,590	3/4	19,740	3/4	34,891	3/4	49,784	3/4	64,934	3/4	80,085	3/4	95,237	3/4	110,388	3/4	125,539	3/4	140,688
4	4,905	4	20,056	4	35,207	4	50,098	4	65,250	4	80,401	4	95,552	4	110,704	4	125,865	4	141,003
1/4	5,221	1/4	20,371	1/4	35,522	1/4	50,414	1/4	65,565	1/4	80,717	1/4	95,868	1/4	111,019	1/4	126,171	1/4	141,319
1/2	5,536	1/2	20,687	1/2	35,838	1/2	50,730	1/2	65,881	1/2	81,032	1/2	96,184	1/2	111,335	1/2	126,486	1/2	141,635
3/4	5,852	3/4	21,003	3/4	36,154	3/4	51,045	3/4	66,197	3/4	81,348	3/4	96,499	3/4	111,651	3/4	126,802	3/4	141,950
5	6,167	5	21,318	5	36,469	5	51,361	5	66,512	5	81,664	5	96,815	5	111,966	5	127,118	5	142,266
1/4	6,483	1/4	21,634	1/4	36,779	1/4	51,677	1/4	66,828	1/4	81,979	1/4	97,131	1/4	112,282	1/4	127,433	1/4	142,581
1/2	6,799	1/2	21,950	1/2	37,089	1/2	51,992	1/2	67,144	1/2	82,295	1/2	97,446	1/2	112,598	1/2	127,749	1/2	142,897
3/4	7,114	3/4	22,265	3/4	37,399	3/4	52,308	3/4	67,459	3/4	82,611	3/4	97,762	3/4	112,913	3/4	128,064	3/4	143,212
6	7,430	6	22,581	6	37,709	6	52,624	6	67,775	6	82,926	6	98,078	6	113,229	6	128,380	6	143,528
1/4	7,746	1/4	22,897	1/4	38,018	1/4	52,939	1/4	68,091	1/4	83,242	1/4	98,393	1/4	113,544	1/4	128,696	1/4	143,844
1/2	8,061	1/2	23,212	1/2	38,327	1/2	53,255	1/2	68,406	1/2	83,558	1/2	98,709	1/2	113,860	1/2	129,011	1/2	144,159
3/4	8,377	3/4	23,528	3/4	38,636	3/4	53,571	3/4	68,722	3/4	83,873	3/4	99,024	3/4	114,176	3/4	129,327	3/4	144,475
7	8,693	7	23,843	7	38,945	7	53,886	7	69,038	7	84,189	7	99,340	7	114,491	7	129,643	7	144,790
1/4	9,008	1/4	24,159	1/4	39,254	1/4	54,202	1/4	69,353	1/4	84,504	1/4	99,656	1/4	114,807	1/4	129,958	1/4	145,106
1/2	9,324	1/2	24,475	1/2	39,563	1/2	54,518	1/2	69,669	1/2	84,820	1/2	99,971	1/2	115,123	1/2	130,274	1/2	145,421
3/4	9,640	3/4	24,790	3/4	39,873	3/4	54,833	3/4	69,984	3/4	85,136	3/4	100,287	3/4	115,438	3/4	130,589	3/4	145,737
8	9,955	8	25,106	8	40,182	8	55,149	8	70,300	8	85,451	8	100,603	8	115,754	8	130,905	8	146,053
1/4	10,271	1/4	25,422	1/4	40,491	1/4	55,464	1/4	70,616	1/4	85,767	1/4	100,918	1/4	116,070	1/4	131,221	1/4	146,368
1/2	10,586	1/2	25,737	1/2	40,800	1/2	55,780	1/2	70,931	1/2	86,083	1/2	101,234	1/2	116,385	1/2	131,536	1/2	146,684
3/4	10,902	3/4	26,053	3/4	41,109	3/4	56,096	3/4	71,247	3/4	86,398	3/4	101,550	3/4	116,701	3/4	131,862	3/4	146,999
9	11,218	9	26,369	9	41,418	9	56,411	9	71,563	9	86,714	9	101,866	9	117,017	9	132,167	9	147,315
1/4	11,533	1/4	26,684	1/4	41,727	1/4	56,727	1/4	71,878	1/4	87,030	1/4	102,181	1/4	117,332	1/4	132,483	1/4	147,631
1/2	11,849	1/2	27,000	1/2	42,036	1/2	57,043	1/2	72,194	1/2	87,345	1/2	102,497	1/2	117,648	1/2	132,799	1/2	147,946
3/4	12,165	3/4	27,316	3/4	42,345	3/4	57,358	3/4	72,510	3/4	87,661	3/4	102,812	3/4	117,964	3/4	133,114	3/4	148,262
10	12,480	10	27,631	10	42,654	10	57,674	10	72,825	10	87,977	10	103,128	10	118,279	10	133,430	10	148,577
1/4	12,796	1/4	27,947	1/4	42,963	1/4	57,990	1/4	73,141	1/4	88,292	1/4	103,444	1/4	118,595	1/4	133,745	1/4	148,893
1/2	13,112	1/2	28,262	1/2	43,273	1/2	58,305	1/2	73,457	1/2	88,608	1/2	103,759	1/2	118,911	1/2	134,061	1/2	149,208
3/4	13,427	3/4	28,578	3/4	43,582	3/4	58,621	3/4	73,772	3/4	88,924	3/4	104,076	3/4	119,226	3/4	134,376	3/4	149,524
11	13,743	11	28,894	11	43,891	11	58,937	11	74,088	11	89,239	11	104,391	11	119,542	11	134,692	11	149,840
1/4	14,059	1/4	29,209	1/4	44,200	1/4	59,252	1/4	74,404	1/4	89,555	1/4	104,706	1/4	119,858	1/4	135,008	1/4	150,155
1/2	14,374	1/2	29,525	1/2	44,509	1/2	59,568	1/2	74,719	1/2	89,871	1/2	105,022	1/2	120,173	1/2	135,323	1/2	150,471
3/4	14,690	3/4	29,841	3/4	44,818	3/4	59,884	3/4	75,035	3/4	90,186	3/4	105,338	3/4	120,489	3/4	135,639	3/4	150,786

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

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

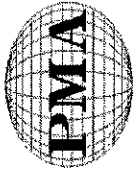
PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmaacorp.net>

Signature



BARGE "CBC 315"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

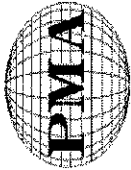
	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	151,102	0	181,325	0	211,358	0	0	0	0	0
1/4	151,417	1/4	181,639	1/4	211,660	1/4	1/4	1/4	1/4	1/4
1/2	151,733	1/2	181,952	1/2	211,962	1/2	1/2	1/2	1/2	1/2
3/4	152,049	3/4	182,266	3/4	212,264	3/4	3/4	3/4	3/4	3/4
1	152,364	1	182,580	1	212,566	1	1	1	1	1
1/4	152,680	1/4	182,894	1/4	212,830	1/4	1/4	1/4	1/4	1/4
1/2	152,995	1/2	183,207	1/2	213,093	1/2	1/2	1/2	1/2	1/2
3/4	153,311	3/4	183,521	3/4	213,356	3/4	3/4	3/4	3/4	3/4
2	153,626	2	183,835	2	213,619	2	2	2	2	2
1/4	153,942	1/4	184,149	1/4	213,831	1/4	1/4	1/4	1/4	1/4
1/2	154,258	1/2	184,462	1/2	214,043	1/2	1/2	1/2	1/2	1/2
3/4	154,573	3/4	184,776	3/4	214,254	3/4	3/4	3/4	3/4	3/4
3	154,889	3	185,090	3	214,466	3	3	3	3	3
1/4	155,204	1/4	185,404	1/4	214,626	1/4	1/4	1/4	1/4	1/4
1/2	155,520	1/2	185,717	1/2	214,784	1/2	1/2	1/2	1/2	1/2
3/4	155,835	3/4	186,031	3/4	214,784	3/4	3/4	3/4	3/4	3/4
4	156,151	4	186,345	4	201,405	4	4	4	4	4
1/4	156,467	1/4	186,659	1/4	201,719	1/4	1/4	1/4	1/4	1/4
1/2	156,782	1/2	186,972	1/2	202,032	1/2	1/2	1/2	1/2	1/2
3/4	157,098	3/4	187,286	3/4	202,346	3/4	3/4	3/4	3/4	3/4
5	157,413	5	187,600	5	202,660	5	5	5	5	5
1/4	157,729	1/4	187,914	1/4	202,974	1/4	1/4	1/4	1/4	1/4
1/2	158,044	1/2	188,227	1/2	203,287	1/2	1/2	1/2	1/2	1/2
3/4	158,360	3/4	188,541	3/4	203,601	3/4	3/4	3/4	3/4	3/4
6	158,676	6	188,855	6	203,915	6	6	6	6	6
1/4	158,991	1/4	189,169	1/4	204,229	1/4	1/4	1/4	1/4	1/4
1/2	159,307	1/2	189,482	1/2	204,542	1/2	1/2	1/2	1/2	1/2
3/4	159,622	3/4	189,796	3/4	204,856	3/4	3/4	3/4	3/4	3/4
7	159,938	7	190,110	7	205,170	7	7	7	7	7
1/4	160,253	1/4	190,424	1/4	205,484	1/4	1/4	1/4	1/4	1/4
1/2	160,569	1/2	190,737	1/2	205,791	1/2	1/2	1/2	1/2	1/2
3/4	160,885	3/4	191,051	3/4	206,102	3/4	3/4	3/4	3/4	3/4
8	161,200	8	191,365	8	206,413	8	8	8	8	8
1/4	161,516	1/4	191,679	1/4	206,723	1/4	1/4	1/4	1/4	1/4
1/2	161,831	1/2	191,992	1/2	207,033	1/2	1/2	1/2	1/2	1/2
3/4	162,147	3/4	192,306	3/4	207,343	3/4	3/4	3/4	3/4	3/4
9	162,463	9	192,620	9	207,653	9	9	9	9	9
1/4	162,778	1/4	192,934	1/4	207,963	1/4	1/4	1/4	1/4	1/4
1/2	163,094	1/2	193,247	1/2	208,272	1/2	1/2	1/2	1/2	1/2
3/4	163,409	3/4	193,561	3/4	208,582	3/4	3/4	3/4	3/4	3/4
10	163,725	10	193,875	10	208,891	10	10	10	10	10
1/4	164,040	1/4	194,189	1/4	209,200	1/4	1/4	1/4	1/4	1/4
1/2	164,356	1/2	194,502	1/2	209,509	1/2	1/2	1/2	1/2	1/2
3/4	164,672	3/4	194,816	3/4	209,818	3/4	3/4	3/4	3/4	3/4
11	164,987	11	195,130	11	210,127	11	11	11	11	11
1/4	165,303	1/4	195,444	1/4	210,435	1/4	1/4	1/4	1/4	1/4
1/2	165,618	1/2	195,757	1/2	210,742	1/2	1/2	1/2	1/2	1/2
3/4	165,934	3/4	196,071	3/4	211,050	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL
CALCULATED: 03/05/2013 CL
PRINTED: 03/05/2013 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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

Tom J. Pearson



BARGE "CBC 315"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	593	0	15,011	0	30,167	0	45,038	0	60,143	0	75,300	0	90,456	0	105,613	0	120,770	0	135,926
1/4	780	1/4	15,327	1/4	30,483	1/4	45,346	1/4	60,458	1/4	75,615	1/4	90,772	1/4	105,929	1/4	121,086	1/4	136,241
1/2	968	1/2	15,643	1/2	30,799	1/2	45,653	1/2	60,774	1/2	75,931	1/2	91,088	1/2	106,245	1/2	121,402	1/2	136,557
3/4	1,155	3/4	15,958	3/4	31,115	3/4	45,961	3/4	61,090	3/4	76,247	3/4	91,404	3/4	106,561	3/4	121,718	3/4	136,873
1	1,343	1	16,274	1	31,430	1	46,268	1	61,406	1	76,563	1	91,720	1	106,876	1	122,033	1	137,188
1/4	1,609	1/4	16,590	1/4	31,746	1/4	46,581	1/4	61,722	1/4	76,878	1/4	92,035	1/4	107,192	1/4	122,349	1/4	137,504
1/2	1,876	1/2	16,906	1/2	32,062	1/2	46,894	1/2	62,037	1/2	77,194	1/2	92,351	1/2	107,508	1/2	122,665	1/2	137,820
3/4	2,142	3/4	17,221	3/4	32,378	3/4	47,207	3/4	62,353	3/4	77,510	3/4	92,667	3/4	107,824	3/4	122,981	3/4	138,135
2	2,408	2	17,537	2	32,694	2	47,520	2	62,669	2	77,826	2	92,983	2	108,139	2	123,296	2	138,451
1/4	2,718	1/4	17,853	1/4	33,009	1/4	47,834	1/4	62,985	1/4	78,141	1/4	93,298	1/4	108,455	1/4	123,612	1/4	138,767
1/2	3,027	1/2	18,169	1/2	33,325	1/2	48,148	1/2	63,300	1/2	78,457	1/2	93,614	1/2	108,771	1/2	123,928	1/2	139,083
3/4	3,337	3/4	18,484	3/4	33,641	3/4	48,462	3/4	63,616	3/4	78,773	3/4	93,930	3/4	109,087	3/4	124,244	3/4	139,398
3	3,646	3	18,800	3	33,957	3	48,776	3	63,932	3	79,089	3	94,246	3	109,403	3	124,559	3	139,714
1/4	3,962	1/4	19,116	1/4	34,266	1/4	49,091	1/4	64,248	1/4	79,405	1/4	94,561	1/4	109,718	1/4	124,875	1/4	140,030
1/2	4,277	1/2	19,432	1/2	34,575	1/2	49,407	1/2	64,563	1/2	79,720	1/2	94,877	1/2	110,034	1/2	125,191	1/2	140,345
3/4	4,592	3/4	19,747	3/4	34,884	3/4	49,723	3/4	64,879	3/4	80,036	3/4	95,193	3/4	110,350	3/4	125,507	3/4	140,661
4	4,907	4	20,063	4	35,193	4	50,038	4	65,195	4	80,352	4	95,509	4	110,666	4	125,823	4	140,977
1/4	5,223	1/4	20,379	1/4	35,502	1/4	50,354	1/4	65,511	1/4	80,668	1/4	95,825	1/4	110,981	1/4	126,138	1/4	141,292
1/2	5,538	1/2	20,695	1/2	35,810	1/2	50,670	1/2	65,826	1/2	80,983	1/2	96,140	1/2	111,297	1/2	126,454	1/2	141,608
3/4	5,854	3/4	21,010	3/4	36,118	3/4	50,985	3/4	66,142	3/4	81,299	3/4	96,456	3/4	111,613	3/4	126,770	3/4	141,924
5	6,170	5	21,326	5	36,426	5	51,301	5	66,458	5	81,615	5	96,772	5	111,929	5	127,086	5	142,239
1/4	6,486	1/4	21,642	1/4	36,734	1/4	51,617	1/4	66,774	1/4	81,931	1/4	97,088	1/4	112,244	1/4	127,401	1/4	142,555
1/2	6,801	1/2	21,958	1/2	37,042	1/2	51,933	1/2	67,090	1/2	82,246	1/2	97,403	1/2	112,560	1/2	127,717	1/2	142,871
3/4	7,117	3/4	22,273	3/4	37,349	3/4	52,248	3/4	67,405	3/4	82,562	3/4	97,719	3/4	112,876	3/4	128,033	3/4	143,187
6	7,433	6	22,589	6	37,657	6	52,564	6	67,721	6	82,878	6	98,035	6	113,192	6	128,349	6	143,502
1/4	7,749	1/4	22,905	1/4	37,964	1/4	52,880	1/4	68,037	1/4	83,194	1/4	98,351	1/4	113,508	1/4	128,664	1/4	143,818
1/2	8,064	1/2	23,221	1/2	38,272	1/2	53,196	1/2	68,353	1/2	83,510	1/2	98,666	1/2	113,823	1/2	128,980	1/2	144,134
3/4	8,380	3/4	23,537	3/4	38,580	3/4	53,512	3/4	68,668	3/4	83,825	3/4	98,982	3/4	114,139	3/4	129,296	3/4	144,449
7	8,696	7	23,852	7	38,887	7	53,827	7	68,984	7	84,141	7	99,298	7	114,455	7	129,612	7	144,765
1/4	9,012	1/4	24,168	1/4	39,195	1/4	54,143	1/4	69,300	1/4	84,457	1/4	99,614	1/4	114,771	1/4	129,927	1/4	145,081
1/2	9,327	1/2	24,484	1/2	39,502	1/2	54,459	1/2	69,616	1/2	84,773	1/2	99,930	1/2	115,086	1/2	130,243	1/2	145,396
3/4	9,643	3/4	24,800	3/4	39,810	3/4	54,775	3/4	69,931	3/4	85,088	3/4	100,246	3/4	115,402	3/4	130,559	3/4	145,712
8	9,959	8	25,115	8	40,117	8	55,090	8	70,247	8	85,404	8	100,561	8	115,718	8	130,875	8	146,028
1/4	10,275	1/4	25,431	1/4	40,425	1/4	55,406	1/4	70,563	1/4	85,720	1/4	100,877	1/4	116,034	1/4	131,190	1/4	146,343
1/2	10,590	1/2	25,747	1/2	40,732	1/2	55,722	1/2	70,879	1/2	86,036	1/2	101,193	1/2	116,349	1/2	131,506	1/2	146,659
3/4	10,906	3/4	26,063	3/4	41,040	3/4	56,038	3/4	71,195	3/4	86,351	3/4	101,508	3/4	116,665	3/4	131,822	3/4	146,975
9	11,222	9	26,378	9	41,347	9	56,353	9	71,510	9	86,667	9	101,824	9	116,981	9	132,137	9	147,290
1/4	11,538	1/4	26,694	1/4	41,655	1/4	56,669	1/4	71,826	1/4	86,983	1/4	102,140	1/4	117,297	1/4	132,453	1/4	147,606
1/2	11,853	1/2	27,010	1/2	41,963	1/2	56,985	1/2	72,142	1/2	87,299	1/2	102,456	1/2	117,613	1/2	132,769	1/2	147,922
3/4	12,169	3/4	27,326	3/4	42,270	3/4	57,301	3/4	72,458	3/4	87,615	3/4	102,771	3/4	117,928	3/4	133,084	3/4	148,238
10	12,485	10	27,641	10	42,578	10	57,617	10	72,773	10	87,930	10	103,087	10	118,244	10	133,400	10	148,553
1/4	12,801	1/4	27,957	1/4	42,885	1/4	57,932	1/4	73,089	1/4	88,246	1/4	103,403	1/4	118,560	1/4	133,716	1/4	148,869
1/2	13,116	1/2	28,273	1/2	43,193	1/2	58,248	1/2	73,405	1/2	88,562	1/2	103,719	1/2	118,876	1/2	134,031	1/2	149,185
3/4	13,432	3/4	28,589	3/4	43,500	3/4	58,564	3/4	73,721	3/4	88,878	3/4	104,035	3/4	119,191	3/4	134,347	3/4	149,500
11	13,748	11	28,904	11	43,808	11	58,880	11	74,036	11	89,193	11	104,350	11	119,507	11	134,663	11	149,816
1/4	14,064	1/4	29,220	1/4	44,115	1/4	59,195	1/4	74,352	1/4	89,509	1/4	104,666	1/4	119,823	1/4	134,979	1/4	150,132
1/2	14,379	1/2	29,536	1/2	44,423	1/2	59,511	1/2	74,668	1/2	89,825	1/2	104,982	1/2	120,139	1/2	135,294	1/2	150,447
3/4	14,695	3/4	29,852	3/4	44,730	3/4	59,827	3/4	74,984	3/4	90,141	3/4	105,298	3/4	120,454	3/4	135,610	3/4	150,763

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-08" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmacorp.net

Eric Johnson



BARGE "CBC 315"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	151,079	0	166,232	0	181,313	0	196,379	0	211,357	0	226,256	0	241,087	0	255,850	0	270,545	0	285,172
1/4	151,394	1/4	166,548	1/4	181,627	1/4	196,693	1/4	211,659	1/4	226,558	1/4	241,389	1/4	256,152	1/4	270,847	1/4	285,474
1/2	151,710	1/2	166,863	1/2	181,941	1/2	197,006	1/2	211,962	1/2	226,861	1/2	241,691	1/2	256,464	1/2	271,161	1/2	285,789
3/4	152,026	3/4	167,179	3/4	182,255	3/4	197,320	3/4	212,264	3/4	227,163	3/4	241,993	3/4	256,776	3/4	271,476	3/4	286,103
1	152,342	1	167,495	1	182,569	1	197,534	1	212,566	1	227,465	1	242,295	1	257,108	1	271,791	1	286,419
1 1/4	152,657	1 1/4	167,810	1 1/4	182,882	1 1/4	197,848	1 1/4	212,829	1 1/4	227,780	1 1/4	242,610	1 1/4	257,423	1 1/4	272,104	1 1/4	286,734
1 1/2	152,973	1 1/2	168,126	1 1/2	183,196	1 1/2	198,262	1 1/2	213,093	1 1/2	228,081	1 1/2	242,907	1 1/2	257,739	1 1/2	272,419	1 1/2	287,050
3/4	153,289	3/4	168,442	3/4	183,510	3/4	198,576	3/4	213,356	3/4	228,396	3/4	243,217	3/4	258,059	3/4	272,734	3/4	287,365
2	153,604	2	168,757	2	183,824	2	198,890	2	213,619	2	228,709	2	243,529	2	258,372	2	273,047	2	287,680
1 1/4	153,920	1 1/4	169,072	1 1/4	184,138	1 1/4	199,203	1 1/4	213,831	1 1/4	229,020	1 1/4	243,840	1 1/4	258,685	1 1/4	273,360	1 1/4	287,995
1 1/2	154,236	1 1/2	169,386	1 1/2	184,452	1 1/2	199,517	1 1/2	214,043	1 1/2	229,331	1 1/2	244,149	1 1/2	259,000	1 1/2	273,675	1 1/2	288,310
3/4	154,551	3/4	169,700	3/4	184,766	3/4	199,831	3/4	214,255	3/4	229,642	3/4	244,459	3/4	259,311	3/4	273,989	3/4	288,625
3	154,867	3	170,014	3	185,079	3	200,145	3	214,467	3	230,000	3	244,769	3	259,622	3	274,303	3	288,940
1 1/4	155,183	1 1/4	170,328	1 1/4	185,393	1 1/4	200,459	1 1/4	214,628	1 1/4	230,311	1 1/4	245,079	1 1/4	259,932	1 1/4	274,617	1 1/4	289,255
1 1/2	155,498	1 1/2	170,642	1 1/2	185,707	1 1/2	200,773	1 1/2	214,785	1 1/2	230,622	1 1/2	245,389	1 1/2	260,243	1 1/2	274,931	1 1/2	289,570
3/4	155,814	3/4	170,955	3/4	186,021	3/4	201,087	3/4	214,997	3/4	230,932	3/4	245,699	3/4	260,554	3/4	275,246	3/4	289,885
4	156,130	4	171,269	4	186,335	4	201,401	4	215,209	4	231,243	4	246,009	4	260,865	4	275,560	4	290,200
1 1/4	156,446	1 1/4	171,583	1 1/4	186,649	1 1/4	201,714	1 1/4	215,421	1 1/4	231,554	1 1/4	246,319	1 1/4	261,176	1 1/4	275,875	1 1/4	290,515
1 1/2	156,761	1 1/2	171,897	1 1/2	186,963	1 1/2	202,028	1 1/2	215,633	1 1/2	231,865	1 1/2	246,629	1 1/2	261,487	1 1/2	276,189	1 1/2	290,830
3/4	157,077	3/4	172,211	3/4	187,277	3/4	202,342	3/4	215,845	3/4	232,176	3/4	246,939	3/4	261,798	3/4	276,503	3/4	291,145
5	157,393	5	172,525	5	187,590	5	202,656	5	216,057	5	232,487	5	247,249	5	262,109	5	276,817	5	291,460
1 1/4	157,708	1 1/4	172,839	1 1/4	187,904	1 1/4	202,970	1 1/4	216,269	1 1/4	232,798	1 1/4	247,559	1 1/4	262,420	1 1/4	277,131	1 1/4	291,775
1 1/2	158,024	1 1/2	173,153	1 1/2	188,218	1 1/2	203,284	1 1/2	216,481	1 1/2	233,109	1 1/2	247,869	1 1/2	262,731	1 1/2	277,445	1 1/2	292,090
3/4	158,340	3/4	173,466	3/4	188,532	3/4	203,598	3/4	216,693	3/4	233,420	3/4	248,179	3/4	263,042	3/4	277,759	3/4	292,405
6	158,655	6	173,780	6	188,846	6	203,911	6	216,905	6	233,731	6	248,489	6	263,353	6	278,073	6	292,720
1 1/4	158,971	1 1/4	174,094	1 1/4	189,160	1 1/4	204,225	1 1/4	217,117	1 1/4	234,042	1 1/4	248,799	1 1/4	263,664	1 1/4	278,387	1 1/4	293,035
1 1/2	159,287	1 1/2	174,408	1 1/2	189,474	1 1/2	204,539	1 1/2	217,329	1 1/2	234,353	1 1/2	249,109	1 1/2	263,975	1 1/2	278,701	1 1/2	293,350
3/4	159,602	3/4	174,722	3/4	189,787	3/4	204,853	3/4	217,541	3/4	234,664	3/4	249,419	3/4	264,286	3/4	279,015	3/4	293,665
7	159,918	7	175,036	7	190,101	7	205,167	7	217,753	7	234,975	7	249,729	7	264,597	7	279,329	7	293,980
1 1/4	160,234	1 1/4	175,350	1 1/4	190,415	1 1/4	205,478	1 1/4	217,965	1 1/4	235,286	1 1/4	250,039	1 1/4	264,908	1 1/4	279,643	1 1/4	294,295
1 1/2	160,550	1 1/2	175,663	1 1/2	190,729	1 1/2	205,788	1 1/2	218,177	1 1/2	235,597	1 1/2	250,349	1 1/2	265,219	1 1/2	280,000	1 1/2	294,610
3/4	160,865	3/4	175,977	3/4	191,043	3/4	206,099	3/4	218,389	3/4	235,908	3/4	250,659	3/4	265,530	3/4	280,315	3/4	294,925
8	161,181	8	176,291	8	191,357	8	206,410	8	218,601	8	236,219	8	250,969	8	265,841	8	280,629	8	295,240
1 1/4	161,497	1 1/4	176,605	1 1/4	191,671	1 1/4	206,720	1 1/4	218,813	1 1/4	236,529	1 1/4	251,279	1 1/4	266,152	1 1/4	280,944	1 1/4	295,555
1 1/2	161,812	1 1/2	176,919	1 1/2	191,985	1 1/2	207,030	1 1/2	219,025	1 1/2	236,839	1 1/2	251,589	1 1/2	266,463	1 1/2	281,259	1 1/2	295,870
3/4	162,128	3/4	177,233	3/4	192,298	3/4	207,341	3/4	219,237	3/4	237,149	3/4	251,899	3/4	266,774	3/4	281,573	3/4	296,185
9	162,444	9	177,547	9	192,612	9	207,651	9	219,449	9	237,459	9	252,209	9	267,085	9	281,888	9	296,500
1 1/4	162,759	1 1/4	177,861	1 1/4	192,926	1 1/4	207,960	1 1/4	219,661	1 1/4	237,769	1 1/4	252,519	1 1/4	267,396	1 1/4	282,202	1 1/4	296,815
1 1/2	163,075	1 1/2	178,174	1 1/2	193,240	1 1/2	208,270	1 1/2	219,873	1 1/2	238,079	1 1/2	252,829	1 1/2	267,707	1 1/2	282,517	1 1/2	297,130
3/4	163,391	3/4	178,488	3/4	193,554	3/4	208,580	3/4	220,085	3/4	238,389	3/4	253,139	3/4	268,017	3/4	282,831	3/4	297,445
10	163,706	10	178,802	10	193,868	10	208,890	10	220,297	10	238,699	10	253,449	10	268,328	10	283,146	10	297,760
1 1/4	164,022	1 1/4	179,116	1 1/4	194,182	1 1/4	209,199	1 1/4	220,509	1 1/4	239,009	1 1/4	253,759	1 1/4	268,639	1 1/4	283,460	1 1/4	298,075
1 1/2	164,338	1 1/2	179,430	1 1/2	194,495	1 1/2	209,508	1 1/2	220,719	1 1/2	239,319	1 1/2	254,069	1 1/2	268,949	1 1/2	283,775	1 1/2	298,390
3/4	164,653	3/4	179,744	3/4	194,809	3/4	209,817	3/4	220,929	3/4	239,629	3/4	254,379	3/4	269,259	3/4	284,090	3/4	298,705
11	164,969	11	180,058	11	195,123	11	210,126	11	221,139	11	240,000	11	254,689	11	269,569	11	284,405	11	299,020
1 1/4	165,285	1 1/4	180,371	1 1/4	195,437	1 1/4	210,434	1 1/4	221,351	1 1/4	240,310	1 1/4	254,999	1 1/4	269,879	1 1/4	284,715	1 1/4	299,335
1 1/2	165,601	1 1/2	180,685	1 1/2	195,751	1 1/2	210,741	1 1/2	221,563	1 1/2	240,620	1 1/2	255,309	1 1/2	270,189	1 1/2	285,030	1 1/2	299,650
3/4	165,916	3/4	180,999	3/4	196,065	3/4	211,049	3/4	221,775	3/4	240,930	3/4	255,619	3/4	270,499	3/4	285,345	3/4	299,965

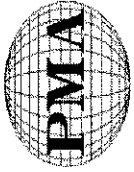
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL
CALCULATED: 03/05/2013 CL
PRINTED: 03/05/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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

P. J. Mac



BARGE "CBC 315"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	611	0	15,479	0	31,101	0	46,449	0	61,871	0	77,459	0	93,045	0	108,581	0	124,154	0	139,730
1/4	804	1/4	15,805	1/4	31,426	1/4	46,765	1/4	62,196	1/4	77,784	1/4	93,369	1/4	108,905	1/4	124,479	1/4	140,055
1/2	998	1/2	16,130	1/2	31,750	1/2	47,081	1/2	62,512	1/2	78,109	1/2	93,692	1/2	109,229	1/2	124,803	1/2	140,379
3/4	1,191	3/4	16,456	3/4	32,075	3/4	47,397	3/4	62,845	3/4	78,434	3/4	94,016	3/4	109,554	3/4	125,128	3/4	140,704
1	1,384	1	16,781	1	32,399	1	47,714	1	63,170	1	78,758	1	94,340	1	109,878	1	125,452	1	141,028
1/4	1,559	1/4	17,107	1/4	32,724	1/4	48,030	1/4	63,495	1/4	79,083	1/4	94,663	1/4	110,202	1/4	125,777	1/4	141,353
1/2	1,734	1/2	17,433	1/2	33,049	1/2	48,347	1/2	63,820	1/2	79,408	1/2	94,987	1/2	110,526	1/2	126,101	1/2	141,677
3/4	1,908	3/4	17,758	3/4	33,373	3/4	48,663	3/4	64,145	3/4	79,733	3/4	95,311	3/4	110,851	3/4	126,426	3/4	142,002
1	2,083	1	18,084	1	33,698	1	48,980	1	64,463	1	80,058	1	95,634	1	111,175	1	126,750	1	142,326
1/4	2,262	1/4	18,410	1/4	34,023	1/4	49,296	1/4	64,794	1/4	80,382	1/4	95,958	1/4	111,499	1/4	127,075	1/4	142,650
1/2	2,441	1/2	18,735	1/2	34,347	1/2	49,613	1/2	65,119	1/2	80,707	1/2	96,282	1/2	111,823	1/2	127,399	1/2	142,975
3/4	2,620	3/4	19,061	3/4	34,672	3/4	49,938	3/4	65,444	3/4	81,032	3/4	96,605	3/4	112,148	3/4	127,724	3/4	143,299
1	2,799	1	19,386	1	34,996	1	50,263	1	65,768	1	81,357	1	96,929	1	112,472	1	128,048	1	143,624
1/4	2,978	1/4	19,712	1/4	35,321	1/4	50,588	1/4	66,093	1/4	81,681	1/4	97,253	1/4	112,796	1/4	128,373	1/4	143,948
1/2	3,157	1/2	20,038	1/2	35,646	1/2	50,913	1/2	66,418	1/2	82,006	1/2	97,576	1/2	113,121	1/2	128,697	1/2	144,273
3/4	3,336	3/4	20,363	3/4	35,970	3/4	51,238	3/4	66,742	3/4	82,331	3/4	97,900	3/4	113,445	3/4	129,022	3/4	144,597
1	3,515	1	20,689	1	36,295	1	51,563	1	67,067	1	82,656	1	98,224	1	113,770	1	129,346	1	144,922
1/4	3,694	1/4	21,015	1/4	36,619	1/4	51,888	1/4	67,392	1/4	82,981	1/4	98,547	1/4	114,094	1/4	129,671	1/4	145,246
1/2	3,873	1/2	21,340	1/2	36,944	1/2	52,213	1/2	67,716	1/2	83,305	1/2	98,871	1/2	114,419	1/2	129,995	1/2	145,569
3/4	4,052	3/4	21,666	3/4	37,269	3/4	52,538	3/4	68,041	3/4	83,630	3/4	99,195	3/4	114,743	3/4	130,320	3/4	145,893
1	4,231	1	21,991	1	37,593	1	52,863	1	68,366	1	83,955	1	99,518	1	115,068	1	130,644	1	146,217
1/4	4,410	1/4	22,317	1/4	37,910	1/4	53,188	1/4	68,690	1/4	84,280	1/4	99,842	1/4	115,392	1/4	130,968	1/4	146,541
1/2	4,589	1/2	22,643	1/2	38,237	1/2	53,513	1/2	69,015	1/2	84,604	1/2	100,166	1/2	115,717	1/2	131,293	1/2	146,864
3/4	4,768	3/4	22,968	3/4	38,564	3/4	53,838	3/4	69,340	3/4	84,929	3/4	100,489	3/4	116,041	3/4	131,618	3/4	147,188
1	4,947	1	23,294	1	38,881	1	54,163	1	69,665	1	85,254	1	100,813	1	116,366	1	131,942	1	147,511
1/4	5,126	1/4	23,619	1/4	39,207	1/4	54,488	1/4	69,989	1/4	85,579	1/4	101,137	1/4	116,690	1/4	132,267	1/4	147,835
1/2	5,305	1/2	23,945	1/2	39,533	1/2	54,813	1/2	70,314	1/2	85,904	1/2	101,460	1/2	117,015	1/2	132,591	1/2	148,158
3/4	5,484	3/4	24,271	3/4	39,859	3/4	55,138	3/4	70,639	3/4	86,228	3/4	101,784	3/4	117,339	3/4	132,916	3/4	148,482
1	5,663	1	24,596	1	40,185	1	55,463	1	70,964	1	86,553	1	102,108	1	117,664	1	133,240	1	148,805
1/4	5,842	1/4	24,922	1/4	40,511	1/4	55,788	1/4	71,289	1/4	86,878	1/4	102,431	1/4	117,988	1/4	133,565	1/4	149,129
1/2	6,021	1/2	25,248	1/2	40,837	1/2	56,113	1/2	71,613	1/2	87,203	1/2	102,755	1/2	118,313	1/2	133,889	1/2	149,452
3/4	6,200	3/4	25,573	3/4	41,163	3/4	56,438	3/4	71,938	3/4	87,527	3/4	103,079	3/4	118,637	3/4	134,214	3/4	149,775
1	6,379	1	25,899	1	41,488	1	56,763	1	72,263	1	87,852	1	103,402	1	118,962	1	134,538	1	150,099
1/4	6,558	1/4	26,224	1/4	41,813	1/4	57,088	1/4	72,588	1/4	88,177	1/4	103,726	1/4	119,286	1/4	134,863	1/4	150,422
1/2	6,737	1/2	26,550	1/2	42,139	1/2	57,413	1/2	72,912	1/2	88,502	1/2	104,050	1/2	119,611	1/2	135,187	1/2	150,745
3/4	6,916	3/4	26,876	3/4	42,465	3/4	57,738	3/4	73,237	3/4	88,827	3/4	104,373	3/4	119,935	3/4	135,512	3/4	151,068
1	7,095	1	27,201	1	42,790	1	58,063	1	73,562	1	89,151	1	104,697	1	120,260	1	135,836	1	151,391
1/4	7,274	1/4	27,527	1/4	43,115	1/4	58,388	1/4	73,887	1/4	89,476	1/4	105,021	1/4	120,585	1/4	136,161	1/4	151,713
1/2	7,453	1/2	27,852	1/2	43,441	1/2	58,713	1/2	74,212	1/2	89,801	1/2	105,344	1/2	120,909	1/2	136,485	1/2	152,036
3/4	7,632	3/4	28,178	3/4	43,766	3/4	59,038	3/4	74,536	3/4	90,126	3/4	105,667	3/4	121,234	3/4	136,810	3/4	152,358
1	7,811	1	28,504	1	44,091	1	59,363	1	74,861	1	90,451	1	105,991	1	121,558	1	137,134	1	152,678
1/4	7,990	1/4	28,828	1/4	44,416	1/4	59,688	1/4	75,186	1/4	90,775	1/4	106,314	1/4	121,883	1/4	137,459	1/4	152,999
1/2	8,169	1/2	29,153	1/2	44,741	1/2	60,013	1/2	75,511	1/2	91,100	1/2	106,638	1/2	122,207	1/2	137,783	1/2	153,303
3/4	8,348	3/4	29,478	3/4	45,066	3/4	60,338	3/4	75,835	3/4	91,425	3/4	106,961	3/4	122,532	3/4	138,108	3/4	153,615
1	8,527	1	29,803	1	45,391	1	60,663	1	76,160	1	91,750	1	107,284	1	122,856	1	138,432	1	153,928
1/4	8,706	1/4	30,127	1/4	45,716	1/4	60,988	1/4	76,485	1/4	92,073	1/4	107,608	1/4	123,181	1/4	138,757	1/4	154,228
1/2	8,885	1/2	30,452	1/2	46,041	1/2	61,313	1/2	76,810	1/2	92,397	1/2	107,933	1/2	123,505	1/2	139,081	1/2	154,528
3/4	9,064	3/4	30,776	3/4	46,366	3/4	61,638	3/4	77,135	3/4	92,721	3/4	108,257	3/4	123,830	3/4	139,406	3/4	154,828

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 ONLY APPLIES TO EXTREME HEIGHT OF TANK.

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

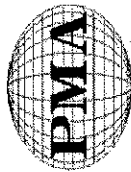
PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

http://www.pmacorp.net

Chris Johnson



BARGE "CBC 315"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

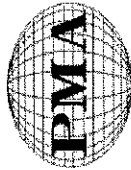
10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	155,128	0	167,443	0	179,393	0	191,331	0	203,202	0	215,116	0	227,020	0	238,914	0	250,797	0	262,669
1/4	155,416	1/4	167,993	1/4	179,641	1/4	191,580	1/4	203,441	1/4	215,355	1/4	227,259	1/4	239,153	1/4	251,036	1/4	262,908
1/2	155,703	1/2	167,943	1/2	179,890	1/2	191,828	1/2	203,681	1/2	215,595	1/2	227,499	1/2	239,393	1/2	251,276	1/2	263,145
3/4	155,991	3/4	168,193	3/4	180,139	3/4	192,077	3/4	203,920	3/4	215,834	3/4	227,738	3/4	239,632	3/4	251,519	3/4	263,381
1	156,278	1	168,443	1	180,388	1	192,326	1	204,160	1	216,074	1	227,978	1	239,872	1	251,766	1	263,614
1/4	156,563	1/4	168,693	1/4	180,636	1/4	192,575	1/4	204,369	1/4	216,283	1/4	228,187	1/4	240,081	1/4	251,960	1/4	263,847
1/2	156,828	1/2	168,943	1/2	180,885	1/2	192,823	1/2	204,577	1/2	216,495	1/2	228,399	1/2	240,295	1/2	252,167	1/2	264,080
3/4	157,103	3/4	169,193	3/4	181,134	3/4	193,072	3/4	204,786	3/4	216,703	3/4	228,608	3/4	240,507	3/4	252,379	3/4	264,313
2	157,378	2	169,443	2	181,382	2	193,321	2	204,995	2	216,911	2	228,816	2	240,716	2	252,590	2	264,546
1/4	157,641	1/4	169,692	1/4	181,631	1/4	193,569	1/4	205,163	1/4	217,119	1/4	229,023	1/4	240,927	1/4	252,801	1/4	264,779
1/2	157,903	1/2	169,941	1/2	181,880	1/2	193,818	1/2	205,331	1/2	217,327	1/2	229,232	1/2	241,138	1/2	253,012	1/2	265,012
3/4	158,166	3/4	170,190	3/4	182,129	3/4	194,067	3/4	205,499	3/4	217,536	3/4	229,441	3/4	241,349	3/4	253,223	3/4	265,245
3	158,428	3	170,439	3	182,377	3	194,316	3	205,667	3	217,745	3	229,650	3	241,560	3	253,434	3	265,478
1/4	158,681	1/4	170,688	1/4	182,626	1/4	194,564	1/4	205,793	1/4	217,954	1/4	229,859	1/4	241,771	1/4	253,645	1/4	265,711
1/2	158,934	1/2	170,936	1/2	182,875	1/2	194,813	1/2	205,919	1/2	218,163	1/2	230,068	1/2	241,982	1/2	253,856	1/2	265,944
3/4	159,186	3/4	171,185	3/4	183,123	3/4	195,062	3/4	206,045	3/4	218,372	3/4	230,277	3/4	242,193	3/4	254,067	3/4	266,177
4	159,439	4	171,434	4	183,372	4	195,311	4	206,254	4	218,581	4	230,486	4	242,404	4	254,278	4	266,410
1/4	159,689	1/4	171,683	1/4	183,621	1/4	195,559	1/4	206,463	1/4	218,790	1/4	230,695	1/4	242,615	1/4	254,489	1/4	266,643
1/2	159,940	1/2	171,931	1/2	183,870	1/2	195,808	1/2	206,672	1/2	219,000	1/2	230,904	1/2	242,826	1/2	254,700	1/2	266,876
3/4	160,190	3/4	172,180	3/4	184,118	3/4	196,057	3/4	206,881	3/4	219,209	3/4	231,113	3/4	243,037	3/4	254,911	3/4	267,109
5	160,440	5	172,429	5	184,367	5	196,305	5	207,090	5	219,418	5	231,322	5	243,248	5	255,122	5	267,342
1/4	160,690	1/4	172,677	1/4	184,616	1/4	196,554	1/4	207,299	1/4	219,627	1/4	231,531	1/4	243,459	1/4	255,333	1/4	267,575
1/2	160,940	1/2	172,926	1/2	184,864	1/2	196,803	1/2	207,508	1/2	219,836	1/2	231,740	1/2	243,670	1/2	255,544	1/2	267,808
3/4	161,191	3/4	173,175	3/4	185,113	3/4	197,052	3/4	207,717	3/4	220,045	3/4	231,949	3/4	243,881	3/4	255,755	3/4	268,041
6	161,441	6	173,424	6	185,362	6	197,300	6	207,926	6	220,254	6	232,158	6	244,092	6	255,966	6	268,274
1/4	161,691	1/4	173,672	1/4	185,611	1/4	197,549	1/4	208,135	1/4	220,463	1/4	232,367	1/4	244,303	1/4	256,177	1/4	268,507
1/2	161,941	1/2	173,921	1/2	185,859	1/2	197,798	1/2	208,344	1/2	220,672	1/2	232,576	1/2	244,514	1/2	256,388	1/2	268,740
3/4	162,191	3/4	174,170	3/4	186,108	3/4	198,046	3/4	208,553	3/4	220,881	3/4	232,785	3/4	244,725	3/4	256,599	3/4	268,973
7	162,441	7	174,418	7	186,357	7	198,295	7	208,762	7	221,090	7	232,994	7	244,936	7	256,810	7	269,206
1/4	162,691	1/4	174,667	1/4	186,605	1/4	198,541	1/4	208,971	1/4	221,299	1/4	233,203	1/4	245,147	1/4	257,021	1/4	269,439
1/2	162,941	1/2	174,916	1/2	186,854	1/2	198,788	1/2	209,180	1/2	221,508	1/2	233,412	1/2	245,358	1/2	257,232	1/2	269,672
3/4	163,191	3/4	175,165	3/4	187,103	3/4	199,034	3/4	209,389	3/4	221,717	3/4	233,621	3/4	245,569	3/4	257,443	3/4	269,905
8	163,441	8	175,413	8	187,352	8	199,281	8	209,598	8	221,926	8	233,830	8	245,780	8	257,654	8	270,138
1/4	163,691	1/4	175,662	1/4	187,600	1/4	199,529	1/4	209,807	1/4	222,135	1/4	234,039	1/4	245,991	1/4	257,865	1/4	270,371
1/2	163,942	1/2	175,911	1/2	187,849	1/2	199,772	1/2	210,016	1/2	222,344	1/2	234,248	1/2	246,202	1/2	258,076	1/2	270,604
3/4	164,192	3/4	176,159	3/4	188,098	3/4	200,018	3/4	210,225	3/4	222,553	3/4	234,457	3/4	246,413	3/4	258,287	3/4	270,837
9	164,442	9	176,408	9	188,346	9	200,264	9	210,434	9	222,762	9	234,666	9	246,624	9	258,498	9	271,070
1/4	164,692	1/4	176,657	1/4	188,595	1/4	200,509	1/4	210,643	1/4	222,971	1/4	234,875	1/4	246,835	1/4	258,709	1/4	271,303
1/2	164,942	1/2	176,906	1/2	188,844	1/2	200,755	1/2	210,852	1/2	223,180	1/2	235,084	1/2	247,046	1/2	258,920	1/2	271,536
3/4	165,192	3/4	177,154	3/4	189,093	3/4	201,000	3/4	211,061	3/4	223,389	3/4	235,293	3/4	247,257	3/4	259,131	3/4	271,769
10	165,442	10	177,403	10	189,341	10	201,246	10	211,268	10	223,598	10	235,502	10	247,468	10	259,342	10	271,999
1/4	165,692	1/4	177,652	1/4	189,590	1/4	201,491	1/4	211,477	1/4	223,807	1/4	235,711	1/4	247,679	1/4	259,553	1/4	272,232
1/2	165,942	1/2	177,900	1/2	189,839	1/2	201,736	1/2	211,686	1/2	224,016	1/2	235,920	1/2	247,890	1/2	259,764	1/2	272,465
3/4	166,192	3/4	178,149	3/4	190,087	3/4	201,981	3/4	211,895	3/4	224,225	3/4	236,129	3/4	248,101	3/4	260,000	3/4	272,698
11	166,442	11	178,398	11	190,336	11	202,226	11	212,104	11	224,434	11	236,338	11	248,312	11	260,211	11	272,931
1/4	166,692	1/4	178,647	1/4	190,585	1/4	202,470	1/4	212,313	1/4	224,643	1/4	236,547	1/4	248,523	1/4	260,422	1/4	273,164
1/2	166,943	1/2	178,895	1/2	190,834	1/2	202,714	1/2	212,522	1/2	224,852	1/2	236,756	1/2	248,734	1/2	260,633	1/2	273,397
3/4	167,193	3/4	179,144	3/4	191,082	3/4	202,958	3/4	212,731	3/4	225,061	3/4	236,965	3/4	248,945	3/4	260,844	3/4	273,630

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/05/2013 CL
CALCULATED: 03/05/2013 CL
PRINTED: 03/05/2013 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

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

Tom Johnson



BARGE "CBC 315"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 16'-04"											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.					
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0				
1/4	803	15,787	1/4	31,392	1/4	46,514	1/4	61,803	1/4	77,374	1/4	92,941	1/4	108,461	1/4	124,018	1/4	139,577	1/4				
1/2	996	16,113	1/2	31,716	1/2	46,823	1/2	62,127	1/2	77,698	1/2	93,265	1/2	108,785	1/2	124,342	1/2	139,901	1/2				
3/4	1,190	16,438	3/4	32,040	3/4	47,132	3/4	62,452	3/4	78,023	3/4	93,588	3/4	109,109	3/4	124,666	3/4	140,225	3/4				
1	1,383	16,763	1	32,364	1	47,441	1	62,776	1	78,347	1	93,911	1	109,433	1	124,990	1	140,549	1				
1 1/4	1,657	17,089	1 1/4	32,689	1 1/4	47,760	1 1/4	63,100	1 1/4	78,672	1 1/4	94,235	1 1/4	109,757	1 1/4	125,314	1 1/4	140,873	1 1/4				
1 1/2	1,931	17,414	1 1/2	33,013	1 1/2	48,060	1 1/2	63,425	1 1/2	78,966	1 1/2	94,558	1 1/2	110,081	1 1/2	125,639	1 1/2	141,197	1 1/2				
3/4	2,206	17,739	3/4	33,337	3/4	48,369	3/4	63,749	3/4	79,321	3/4	94,881	3/4	110,405	3/4	125,963	3/4	141,522	3/4				
2	2,480	18,064	2	33,661	2	48,678	2	64,074	2	79,645	2	95,205	2	110,728	2	126,287	2	141,846	2				
1 1/4	2,799	18,390	1 1/4	33,986	1 1/4	48,988	1 1/4	64,398	1 1/4	79,969	1 1/4	95,528	1 1/4	111,052	1 1/4	126,611	1 1/4	142,170	1 1/4				
1 1/2	3,118	18,715	1 1/2	34,310	1 1/2	49,298	1 1/2	64,723	1 1/2	80,294	1 1/2	95,851	1 1/2	111,376	1 1/2	126,935	1 1/2	142,494	1 1/2				
3/4	3,437	19,040	3/4	34,634	3/4	49,608	3/4	65,047	3/4	80,618	3/4	96,175	3/4	111,700	3/4	127,259	3/4	142,818	3/4				
3	3,756	19,365	3	34,958	3	49,918	3	65,371	3	80,943	3	96,498	3	112,024	3	127,584	3	143,142	3				
1 1/4	4,080	19,691	1 1/4	35,283	1 1/4	50,229	1 1/4	65,696	1 1/4	81,267	1 1/4	96,821	1 1/4	112,348	1 1/4	127,908	1 1/4	143,466	1 1/4				
1 1/2	4,405	20,016	1 1/2	35,607	1 1/2	50,539	1 1/2	66,020	1 1/2	81,592	1 1/2	97,145	1 1/2	112,672	1 1/2	128,232	1 1/2	143,791	1 1/2				
3/4	4,730	20,341	3/4	35,931	3/4	50,849	3/4	66,344	3/4	81,916	3/4	97,468	3/4	112,996	3/4	128,566	3/4	144,115	3/4				
4	5,054	20,666	4	36,255	4	51,160	4	66,669	4	82,240	4	97,791	4	113,321	4	128,880	4	144,439	4				
1 1/4	5,379	20,992	1 1/4	36,579	1 1/4	51,470	1 1/4	66,993	1 1/4	82,565	1 1/4	98,115	1 1/4	113,645	1 1/4	129,204	1 1/4	144,762	1 1/4				
1 1/2	5,705	21,317	1 1/2	36,902	1 1/2	51,780	1 1/2	67,317	1 1/2	82,889	1 1/2	98,438	1 1/2	113,969	1 1/2	129,529	1 1/2	145,086	1 1/2				
3/4	6,030	21,642	3/4	37,226	3/4	52,091	3/4	67,641	3/4	83,214	3/4	98,761	3/4	114,293	3/4	129,853	3/4	145,409	3/4				
5	6,355	21,967	5	37,550	5	52,401	5	67,966	5	83,538	5	99,086	5	114,617	5	130,177	5	145,732	5				
1 1/4	6,680	22,293	1 1/4	37,860	1 1/4	52,724	1 1/4	68,290	1 1/4	83,863	1 1/4	99,408	1 1/4	114,941	1 1/4	130,501	1 1/4	146,056	1 1/4				
1 1/2	7,005	22,618	1 1/2	38,170	1 1/2	53,047	1 1/2	68,615	1 1/2	84,187	1 1/2	99,731	1 1/2	115,265	1 1/2	130,825	1 1/2	146,379	1 1/2				
3/4	7,331	22,943	3/4	38,481	3/4	53,369	3/4	68,939	3/4	84,511	3/4	100,055	3/4	115,590	3/4	131,149	3/4	146,702	3/4				
6	7,656	23,269	6	38,791	6	53,692	6	69,263	6	84,836	6	100,378	6	115,914	6	131,473	6	147,026	6				
1 1/4	7,981	23,594	1 1/4	39,100	1 1/4	54,016	1 1/4	69,588	1 1/4	85,160	1 1/4	100,701	1 1/4	116,238	1 1/4	131,798	1 1/4	147,349	1 1/4				
1 1/2	8,306	23,919	1 1/2	39,409	1 1/2	54,341	1 1/2	69,912	1 1/2	85,485	1 1/2	101,026	1 1/2	116,562	1 1/2	132,122	1 1/2	147,672	1 1/2				
3/4	8,632	24,244	3/4	39,718	3/4	54,665	3/4	70,237	3/4	85,809	3/4	101,348	3/4	116,886	3/4	132,446	3/4	147,995	3/4				
7	8,957	24,570	7	40,027	7	54,990	7	70,561	7	86,134	7	101,671	7	117,210	7	132,770	7	148,318	7				
1 1/4	9,282	24,895	1 1/4	40,336	1 1/4	55,314	1 1/4	70,885	1 1/4	86,458	1 1/4	101,995	1 1/4	117,535	1 1/4	133,094	1 1/4	148,641	1 1/4				
1 1/2	9,607	25,220	1 1/2	40,645	1 1/2	55,639	1 1/2	71,210	1 1/2	86,782	1 1/2	102,318	1 1/2	117,859	1 1/2	133,418	1 1/2	148,964	1 1/2				
3/4	9,933	25,545	3/4	40,954	3/4	55,963	3/4	71,534	3/4	87,107	3/4	102,641	3/4	118,183	3/4	133,742	3/4	149,287	3/4				
8	10,258	25,871	8	41,262	8	56,287	8	71,859	8	87,431	8	102,964	8	118,507	8	134,067	8	149,610	8				
1 1/4	10,583	26,196	1 1/4	41,571	1 1/4	56,612	1 1/4	72,183	1 1/4	87,756	1 1/4	103,288	1 1/4	118,831	1 1/4	134,391	1 1/4	149,933	1 1/4				
1 1/2	10,909	26,521	1 1/2	41,880	1 1/2	56,936	1 1/2	72,508	1 1/2	88,080	1 1/2	103,611	1 1/2	119,155	1 1/2	134,715	1 1/2	150,255	1 1/2				
3/4	11,234	26,846	3/4	42,189	3/4	57,261	3/4	72,832	3/4	88,404	3/4	103,934	3/4	119,480	3/4	135,039	3/4	150,578	3/4				
9	11,559	27,172	9	42,498	9	57,585	9	73,156	9	88,729	9	104,258	9	119,804	9	135,363	9	150,901	9				
1 1/4	11,884	27,497	1 1/4	42,807	1 1/4	57,910	1 1/4	73,481	1 1/4	89,053	1 1/4	104,581	1 1/4	120,128	1 1/4	135,687	1 1/4	151,222	1 1/4				
1 1/2	12,210	27,822	1 1/2	43,116	1 1/2	58,234	1 1/2	73,805	1 1/2	89,378	1 1/2	104,904	1 1/2	120,452	1 1/2	136,011	1 1/2	151,544	1 1/2				
3/4	12,535	28,147	3/4	43,425	3/4	58,558	3/4	74,130	3/4	89,702	3/4	105,227	3/4	120,776	3/4	136,336	3/4	151,865	3/4				
10	12,860	28,473	10	43,734	10	58,883	10	74,454	10	90,027	10	105,550	10	121,100	10	136,660	10	152,186	10				
1 1/4	13,185	28,797	1 1/4	44,043	1 1/4	59,207	1 1/4	74,779	1 1/4	90,351	1 1/4	105,873	1 1/4	121,425	1 1/4	136,984	1 1/4	152,498	1 1/4				
1 1/2	13,511	29,122	1 1/2	44,352	1 1/2	59,532	1 1/2	75,103	1 1/2	90,675	1 1/2	106,196	1 1/2	121,749	1 1/2	137,308	1 1/2	152,811	1 1/2				
3/4	13,836	29,446	3/4	44,661	3/4	59,856	3/4	75,427	3/4	91,000	3/4	106,519	3/4	122,073	3/4	137,632	3/4	153,123	3/4				
11	14,161	29,770	11	44,969	11	60,181	11	75,752	11	91,324	11	106,842	11	122,397	11	137,956	11	153,435	11				
1 1/4	14,486	30,095	1 1/4	45,278	1 1/4	60,505	1 1/4	76,076	1 1/4	91,648	1 1/4	107,166	1 1/4	122,721	1 1/4	138,280	1 1/4	153,755	1 1/4				
1 1/2	14,812	30,419	1 1/2	45,587	1 1/2	60,829	1 1/2	76,401	1 1/2	91,971	1 1/2	107,490	1 1/2	123,045	1 1/2	138,604	1 1/2	154,034	1 1/2				
3/4	15,137	30,743	3/4	45,896	3/4	61,154	3/4	76,725	3/4	92,295	3/4	107,813	3/4	123,369	3/4	138,929	3/4	154,334	3/4				

CERTIFIED CHART FOR THE ABOVE TANK ONLY.

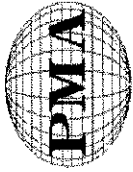


GAUGE HEIGHT 16'-04"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

P.O. Box 2052
Pearland, Texas 77588
<http://www.pmacorp.net>

SHEET NO. 12 OF 12



BARGE "CBC 315"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	100	0	257	0	412	0												
1/4	1	103	1/4	260	1/4	415	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	1	106	1/2	263	1/2	417	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	2	109	3/4	267	3/4	420	3/4		3/4		3/4		3/4		3/4		3/4		3/4
1	3	112	1	270	1	423	1		1		1		1		1		1		1
1/4	4	115	1/4	273	1/4	426	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	5	119	1/2	277	1/2	429	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	6	122	3/4	280	3/4	431	3/4		3/4		3/4		3/4		3/4		3/4		3/4
2	7	125	2	284	2	434	2		2		2		2		2		2		2
1/4	9	128	1/4	287	1/4	437	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	10	131	1/2	290	1/2	440	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	12	134	3/4	294	3/4	442	3/4		3/4		3/4		3/4		3/4		3/4		3/4
3	13	137	3	297	3	445	3		3		3		3		3		3		3
1/4	15	140	1/4	300	1/4	447	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	17	144	1/2	304	1/2	450	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	19	147	3/4	307	3/4	452	3/4		3/4		3/4		3/4		3/4		3/4		3/4
4	20	150	4	311	4	455	4		4		4		4		4		4		4
1/4	22	153	1/4	314	1/4	457	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	24	156	1/2	317	1/2	460	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	26	160	3/4	320	3/4	462	3/4		3/4		3/4		3/4		3/4		3/4		3/4
5	28	163	5	324	5	465	5		5		5		5		5		5		5
1/4	31	166	1/4	327	1/4	467	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	33	169	1/2	330	1/2	469	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	35	173	3/4	334	3/4	471	3/4		3/4		3/4		3/4		3/4		3/4		3/4
6	37	176	6	337	6	474	6		6		6		6		6		6		6
1/4	39	179	1/4	340	1/4	476	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	42	183	1/2	343	1/2	478	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	44	186	3/4	347	3/4	480	3/4		3/4		3/4		3/4		3/4		3/4		3/4
7	46	189	7	350	7	482	7		7		7		7		7		7		7
1/4	49	192	1/4	353	1/4	484	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	51	196	1/2	356	1/2	486	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	54	199	3/4	360	3/4	488	3/4		3/4		3/4		3/4		3/4		3/4		3/4
8	56	202	8	363	8	489	8		8		8		8		8		8		8
1/4	59	206	1/4	366	1/4	491	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	62	209	1/2	369	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	64	213	3/4	372	3/4	494	3/4		3/4		3/4		3/4		3/4		3/4		3/4
9	67	216	9	375	9	496	9		9		9		9		9		9		9
1/4	69	219	1/4	379	1/4	497	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	72	223	1/2	382	1/2	499	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	75	226	3/4	385	3/4	500	3/4		3/4		3/4		3/4		3/4		3/4		3/4
10	78	229	10	388	10	502	10		10		10		10		10		10		10
1/4	80	233	1/4	391	1/4	502	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	83	236	1/2	394	1/2	502	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	86	240	3/4	397	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4		3/4
11	89	243	11	400	11	502	11		11		11		11		11		11		11
1/4	92	246	1/4	403	1/4	502	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	95	250	1/2	406	1/2	502	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	98	253	3/4	409	3/4	502	3/4		3/4		3/4		3/4		3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 8" DIAMETER HATCH.

STRAPPED: 03/05/2013 CL
CALCULATED: 03/05/2013 CL
PRINTED: 03/05/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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