



BARGE: CBC 1120

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>										
1 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2
2 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

LENGTH BETWEEN DRAFT MARKS: 163'-09"

July 24, 2019

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



BARGE CBC 1120

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE C ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2532
 Pearl-rd, Texas 77688
<http://www.pmacorp.net>



BARGE CBC 1120

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,392.98	0	1,145.28	0	897.58	0	654.68	0	407.56	0	159.10	0		0					
1/4	1,387.92	1/4	1,140.12	1/4	892.42	1/4	649.66	1/4	402.38	1/4	153.93	1/4		1/4					1/4
1/2	1,382.66	1/2	1,134.96	1/2	887.26	1/2	644.64	1/2	397.21	1/2	148.75	1/2		1/2					1/2
3/4	1,377.50	3/4	1,129.80	3/4	882.10	3/4	639.63	3/4	392.03	3/4	143.57	3/4		3/4					3/4
1	1,372.34	1	1,124.64	1	876.94	1	634.61	1	386.85	1	138.40	1		1					1
1 1/4	1,367.18	1 1/4	1,119.48	1 1/4	871.78	1 1/4	629.59	1 1/4	381.68	1 1/4	133.22	1 1/4		1 1/4					1 1/4
1 1/2	1,362.02	1 1/2	1,114.32	1 1/2	866.62	1 1/2	624.57	1 1/2	376.50	1 1/2	128.04	1 1/2		1 1/2					1 1/2
1 3/4	1,356.85	1 3/4	1,109.16	1 3/4	861.46	1 3/4	619.55	1 3/4	371.32	1 3/4	122.87	1 3/4		1 3/4					1 3/4
2	1,351.69	2	1,104.00	2	856.30	2	614.53	2	366.16	2	117.69	2		2					2
2 1/4	1,346.53	2 1/4	1,098.83	2 1/4	851.14	2 1/4	609.37	2 1/4	360.97	2 1/4	112.52	2 1/4		2 1/4					2 1/4
2 1/2	1,341.37	2 1/2	1,093.67	2 1/2	845.98	2 1/2	604.20	2 1/2	355.80	2 1/2	107.34	2 1/2		2 1/2					2 1/2
2 3/4	1,336.21	2 3/4	1,088.51	2 3/4	840.81	2 3/4	599.03	2 3/4	350.62	2 3/4	102.16	2 3/4		2 3/4					2 3/4
3	1,331.05	3	1,083.35	3	835.65	3	593.86	3	345.44	3	96.99	3		3					3
3 1/4	1,325.89	3 1/4	1,078.19	3 1/4	830.49	3 1/4	588.70	3 1/4	340.27	3 1/4	91.81	3 1/4		3 1/4					3 1/4
3 1/2	1,320.73	3 1/2	1,073.03	3 1/2	825.33	3 1/2	583.53	3 1/2	335.09	3 1/2	86.64	3 1/2		3 1/2					3 1/2
3 3/4	1,315.57	3 3/4	1,067.87	3 3/4	820.17	3 3/4	578.37	3 3/4	329.92	3 3/4	81.48	3 3/4		3 3/4					3 3/4
4	1,310.41	4	1,062.71	4	815.01	4	573.19	4	324.74	4	76.29	4		4					4
4 1/4	1,305.25	4 1/4	1,057.55	4 1/4	809.88	4 1/4	568.02	4 1/4	319.56	4 1/4	71.13	4 1/4		4 1/4					4 1/4
4 1/2	1,300.09	4 1/2	1,052.39	4 1/2	804.75	4 1/2	562.84	4 1/2	314.39	4 1/2	65.96	4 1/2		4 1/2					4 1/2
4 3/4	1,294.93	4 3/4	1,047.23	4 3/4	799.62	4 3/4	557.68	4 3/4	309.21	4 3/4	60.80	4 3/4		4 3/4					4 3/4
5	1,289.77	5	1,042.07	5	794.49	5	552.49	5	304.04	5	55.64	5		5					5
5 1/4	1,284.61	5 1/4	1,036.91	5 1/4	789.36	5 1/4	547.31	5 1/4	298.86	5 1/4	50.51	5 1/4		5 1/4					5 1/4
5 1/2	1,279.45	5 1/2	1,031.75	5 1/2	784.24	5 1/2	542.14	5 1/2	293.68	5 1/2	45.37	5 1/2		5 1/2					5 1/2
5 3/4	1,274.29	5 3/4	1,026.59	5 3/4	779.11	5 3/4	536.96	5 3/4	288.51	5 3/4	40.24	5 3/4		5 3/4					5 3/4
6	1,269.13	6	1,021.43	6	774.00	6	531.78	6	283.33	6	35.11	6		6					6
6 1/4	1,263.97	6 1/4	1,016.27	6 1/4	768.78	6 1/4	526.61	6 1/4	278.16	6 1/4	30.00	6 1/4		6 1/4					6 1/4
6 1/2	1,258.81	6 1/2	1,011.11	6 1/2	763.77	6 1/2	521.43	6 1/2	272.98	6 1/2	26.49	6 1/2		6 1/2					6 1/2
6 3/4	1,253.65	6 3/4	1,005.95	6 3/4	758.77	6 3/4	516.26	6 3/4	267.80	6 3/4	22.18	6 3/4		6 3/4					6 3/4
7	1,248.49	7	1,000.79	7	753.76	7	511.08	7	262.63	7	17.87	7		7					7
7 1/4	1,243.33	7 1/4	995.63	7 1/4	748.76	7 1/4	505.90	7 1/4	257.45	7 1/4	15.28	7 1/4		7 1/4					7 1/4
7 1/2	1,238.17	7 1/2	990.47	7 1/2	743.76	7 1/2	500.73	7 1/2	252.27	7 1/2	12.69	7 1/2		7 1/2					7 1/2
7 3/4	1,233.01	7 3/4	985.31	7 3/4	738.75	7 3/4	495.55	7 3/4	247.10	7 3/4	10.11	7 3/4		7 3/4					7 3/4
8	1,227.84	8	980.15	8	733.75	8	490.38	8	241.92	8	7.52	8		8					8
8 1/4	1,222.68	8 1/4	974.99	8 1/4	728.74	8 1/4	485.20	8 1/4	236.75	8 1/4	6.66	8 1/4		8 1/4					8 1/4
8 1/2	1,217.52	8 1/2	969.82	8 1/2	723.74	8 1/2	480.02	8 1/2	231.57	8 1/2	5.80	8 1/2		8 1/2					8 1/2
8 3/4	1,212.36	8 3/4	964.66	8 3/4	718.73	8 3/4	474.85	8 3/4	226.39	8 3/4	4.93	8 3/4		8 3/4					8 3/4
9	1,207.20	9	959.50	9	713.73	9	469.67	9	221.22	9	4.07	9		9					9
9 1/4	1,202.04	9 1/4	954.34	9 1/4	708.72	9 1/4	464.49	9 1/4	216.04	9 1/4		9 1/4		9 1/4					9 1/4
9 1/2	1,196.88	9 1/2	949.18	9 1/2	703.72	9 1/2	459.32	9 1/2	210.87	9 1/2		9 1/2		9 1/2					9 1/2
9 3/4	1,191.72	9 3/4	944.02	9 3/4	698.72	9 3/4	454.14	9 3/4	205.69	9 3/4		9 3/4		9 3/4					9 3/4
10	1,186.56	10	938.86	10	693.71	10	448.97	10	200.51	10		10		10					10
10 1/4	1,181.40	10 1/4	933.70	10 1/4	688.71	10 1/4	443.79	10 1/4	195.34	10 1/4		10 1/4		10 1/4					10 1/4
10 1/2	1,176.24	10 1/2	928.54	10 1/2	683.70	10 1/2	438.61	10 1/2	190.16	10 1/2		10 1/2		10 1/2					10 1/2
10 3/4	1,171.08	10 3/4	923.38	10 3/4	678.70	10 3/4	433.44	10 3/4	184.98	10 3/4		10 3/4		10 3/4					10 3/4
11	1,165.92	11	918.22	11	673.69	11	428.26	11	179.81	11		11		11					11
11 1/4	1,160.76	11 1/4	913.06	11 1/4	668.69	11 1/4	423.09	11 1/4	174.63	11 1/4		11 1/4		11 1/4					11 1/4
11 1/2	1,155.60	11 1/2	907.90	11 1/2	663.69	11 1/2	417.91	11 1/2	169.45	11 1/2		11 1/2		11 1/2					11 1/2
11 3/4	1,150.44	11 3/4	902.74	11 3/4	658.68	11 3/4	412.73	11 3/4	164.28	11 3/4		11 3/4		11 3/4					11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/24/2019 JS
CALCULATED: 07/25/2019 CL
PRINTED: 07/26/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77688
<http://www.pmacorp.net>



BARGE CBC 1120

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,536.47	0	1,262.18	0	987.88	0	719.08	0	446.15	0	171.87	0	0	0	0	0	0	0	0
1/4	1,530.75	1/4	1,256.46	1/4	982.17	1/4	713.54	1/4	440.44	1/4	166.16	1/4		1/4		1/4		1/4	
1/2	1,525.04	1/2	1,250.75	1/2	976.46	1/2	708.00	1/2	434.73	1/2	160.44	1/2		1/2		1/2		1/2	
3/4	1,519.32	3/4	1,245.03	3/4	970.74	3/4	702.45	3/4	429.01	3/4	154.73	3/4		3/4		3/4		3/4	
1	1,513.61	1	1,239.32	1	965.03	1	696.91	1	423.30	1	149.02	1		1		1		1	
1 1/4	1,507.89	1 1/4	1,233.60	1 1/4	959.31	1 1/4	691.36	1 1/4	417.58	1 1/4	143.30	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,502.18	1 1/2	1,227.89	1 1/2	953.60	1 1/2	685.82	1 1/2	411.87	1 1/2	137.59	1 1/2		1 1/2		1 1/2		1 1/2	
1 3/4	1,496.47	1 3/4	1,222.17	1 3/4	947.88	1 3/4	680.27	1 3/4	406.16	1 3/4	131.87	1 3/4		1 3/4		1 3/4		1 3/4	
2	1,490.75	2	1,216.46	2	942.17	2	674.72	2	400.44	2	126.16	2		2		2		2	
2 1/4	1,485.04	2 1/4	1,210.75	2 1/4	936.46	2 1/4	669.01	2 1/4	394.73	2 1/4	120.45	2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2	1,479.32	2 1/2	1,205.03	2 1/2	930.74	2 1/2	663.29	2 1/2	389.01	2 1/2	114.73	2 1/2		2 1/2		2 1/2		2 1/2	
2 3/4	1,473.61	2 3/4	1,199.32	2 3/4	925.03	2 3/4	657.58	2 3/4	383.30	2 3/4	109.02	2 3/4		2 3/4		2 3/4		2 3/4	
3	1,467.89	3	1,193.60	3	919.31	3	651.87	3	377.58	3	103.30	3		3		3		3	
3 1/4	1,462.18	3 1/4	1,187.89	3 1/4	913.60	3 1/4	646.15	3 1/4	371.87	3 1/4	97.59	3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2	1,456.47	3 1/2	1,182.17	3 1/2	907.88	3 1/2	640.44	3 1/2	366.16	3 1/2	91.88	3 1/2		3 1/2		3 1/2		3 1/2	
3 3/4	1,450.75	3 3/4	1,176.46	3 3/4	902.17	3 3/4	634.72	3 3/4	360.44	3 3/4	86.17	3 3/4		3 3/4		3 3/4		3 3/4	
4	1,445.04	4	1,170.75	4	896.45	4	629.01	4	354.73	4	80.45	4		4		4		4	
4 1/4	1,439.32	4 1/4	1,165.03	4 1/4	890.91	4 1/4	623.29	4 1/4	349.01	4 1/4	74.75	4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2	1,433.61	4 1/2	1,159.32	4 1/2	885.36	4 1/2	617.58	4 1/2	343.30	4 1/2	69.05	4 1/2		4 1/2		4 1/2		4 1/2	
4 3/4	1,427.89	4 3/4	1,153.60	4 3/4	879.81	4 3/4	611.87	4 3/4	337.58	4 3/4	63.35	4 3/4		4 3/4		4 3/4		4 3/4	
5	1,422.18	5	1,147.89	5	874.27	5	606.15	5	331.87	5	57.65	5		5		5		5	
5 1/4	1,416.46	5 1/4	1,142.17	5 1/4	868.72	5 1/4	600.44	5 1/4	326.16	5 1/4	51.99	5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	1,410.75	5 1/2	1,136.46	5 1/2	863.18	5 1/2	594.72	5 1/2	320.44	5 1/2	46.32	5 1/2		5 1/2		5 1/2		5 1/2	
5 3/4	1,405.04	5 3/4	1,130.74	5 3/4	857.64	5 3/4	589.01	5 3/4	314.73	5 3/4	40.65	5 3/4		5 3/4		5 3/4		5 3/4	
6	1,399.32	6	1,125.03	6	852.10	6	583.30	6	309.01	6	35.00	6		6		6		6	
6 1/4	1,393.61	6 1/4	1,119.32	6 1/4	846.56	6 1/4	577.58	6 1/4	303.30	6 1/4	30.24	6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	1,387.89	6 1/2	1,113.60	6 1/2	841.01	6 1/2	571.87	6 1/2	297.59	6 1/2	25.48	6 1/2		6 1/2		6 1/2		6 1/2	
6 3/4	1,382.18	6 3/4	1,107.89	6 3/4	835.47	6 3/4	566.15	6 3/4	291.87	6 3/4	20.72	6 3/4		6 3/4		6 3/4		6 3/4	
7	1,376.46	7	1,102.17	7	829.93	7	560.44	7	286.16	7	15.96	7		7		7		7	
7 1/4	1,370.75	7 1/4	1,096.46	7 1/4	824.39	7 1/4	554.72	7 1/4	280.44	7 1/4	13.10	7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	1,365.03	7 1/2	1,090.74	7 1/2	818.84	7 1/2	549.01	7 1/2	274.73	7 1/2	10.25	7 1/2		7 1/2		7 1/2		7 1/2	
7 3/4	1,359.32	7 3/4	1,085.03	7 3/4	813.30	7 3/4	543.30	7 3/4	269.01	7 3/4	7.39	7 3/4		7 3/4		7 3/4		7 3/4	
8	1,353.61	8	1,079.31	8	807.76	8	537.58	8	263.30	8	4.53	8		8		8		8	
8 1/4	1,347.89	8 1/4	1,073.60	8 1/4	802.22	8 1/4	531.87	8 1/4	257.59	8 1/4	3.58	8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	1,342.18	8 1/2	1,067.89	8 1/2	796.67	8 1/2	526.15	8 1/2	251.87	8 1/2	2.63	8 1/2		8 1/2		8 1/2		8 1/2	
8 3/4	1,336.46	8 3/4	1,062.17	8 3/4	791.13	8 3/4	520.44	8 3/4	246.16	8 3/4	1.68	8 3/4		8 3/4		8 3/4		8 3/4	
9	1,330.75	9	1,056.46	9	785.59	9	514.72	9	240.44	9	0.73	9		9		9		9	
9 1/4	1,325.03	9 1/4	1,050.74	9 1/4	780.05	9 1/4	509.01	9 1/4	234.73	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	1,319.32	9 1/2	1,045.03	9 1/2	774.50	9 1/2	503.30	9 1/2	229.01	9 1/2		9 1/2		9 1/2		9 1/2		9 1/2	
9 3/4	1,313.61	9 3/4	1,039.31	9 3/4	768.96	9 3/4	497.58	9 3/4	223.30	9 3/4		9 3/4		9 3/4		9 3/4		9 3/4	
10	1,307.89	10	1,033.60	10	763.42	10	491.87	10	217.59	10		10		10		10		10	
10 1/4	1,302.18	10 1/4	1,027.89	10 1/4	757.88	10 1/4	486.15	10 1/4	211.87	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	1,296.46	10 1/2	1,022.17	10 1/2	752.33	10 1/2	480.44	10 1/2	206.16	10 1/2		10 1/2		10 1/2		10 1/2		10 1/2	
10 3/4	1,290.75	10 3/4	1,016.46	10 3/4	746.79	10 3/4	474.73	10 3/4	200.44	10 3/4		10 3/4		10 3/4		10 3/4		10 3/4	
11	1,285.03	11	1,010.74	11	741.25	11	469.01	11	194.73	11		11		11		11		11	
11 1/4	1,279.32	11 1/4	1,005.03	11 1/4	735.71	11 1/4	463.30	11 1/4	189.02	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	1,273.60	11 1/2	999.31	11 1/2	730.16	11 1/2	457.58	11 1/2	183.30	11 1/2		11 1/2		11 1/2		11 1/2		11 1/2	
11 3/4	1,267.89	11 3/4	993.60	11 3/4	724.62	11 3/4	451.87	11 3/4	177.59	11 3/4		11 3/4		11 3/4		11 3/4		11 3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 7/24/2019 JS
CALCULATED: 07/25/2019 CL
PRINTED: 07/28/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TG 07/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2052
Pasadena, Texas 77808
http://www.pmscorp.net



BARGE CBC 1120

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	3,325.79	0	3,080.57	0	2,835.34	0	2,590.12	0	2,344.90	0	2,099.68	0	1,854.45	0	1,609.23	0	1,364.01
1/4	1/4	1/4	3,320.88	1/4	3,075.46	1/4	2,830.23	1/4	2,585.01	1/4	2,339.79	1/4	2,094.57	1/4	1,849.35	1/4	1,604.12	1/4	1,358.90
1/2	1/2	1/2	3,315.57	1/2	3,070.35	1/2	2,825.13	1/2	2,579.90	1/2	2,334.68	1/2	2,089.46	1/2	1,844.24	1/2	1,598.91	1/2	1,353.69
3/4	3/4	3/4	3,310.46	3/4	3,065.24	3/4	2,820.02	3/4	2,574.79	3/4	2,329.57	3/4	2,084.35	3/4	1,839.13	3/4	1,593.91	3/4	1,348.47
1	1	1	3,305.35	1	3,060.13	1	2,814.91	1	2,569.69	1	2,324.46	1	2,079.24	1	1,834.02	1	1,588.80	1	1,343.25
1 1/4	1 1/4	1 1/4	3,300.24	1 1/4	3,055.02	1 1/4	2,809.80	1 1/4	2,564.58	1 1/4	2,319.35	1 1/4	2,074.13	1 1/4	1,828.91	1 1/4	1,583.69	1 1/4	1,338.03
1 1/2	1 1/2	1 1/2	3,295.14	1 1/2	3,049.91	1 1/2	2,804.69	1 1/2	2,559.47	1 1/2	2,314.25	1 1/2	2,068.92	1 1/2	1,823.80	1 1/2	1,578.58	1 1/2	1,332.86
3/4	3/4	3/4	3,290.03	3/4	3,044.80	3/4	2,799.58	3/4	2,554.36	3/4	2,309.14	3/4	2,063.91	3/4	1,818.69	3/4	1,573.47	3/4	1,327.69
2	2	2	3,284.92	2	3,039.70	2	2,794.47	2	2,549.25	2	2,304.03	2	2,058.81	2	1,813.58	2	1,568.36	2	1,322.52
1 3/4	1 3/4	1 3/4	3,279.81	1 3/4	3,034.59	1 3/4	2,789.36	1 3/4	2,544.14	1 3/4	2,298.92	1 3/4	2,053.70	1 3/4	1,808.47	1 3/4	1,563.25	1 3/4	1,317.39
1 1/2	1 1/2	1 1/2	3,274.70	1 1/2	3,029.48	1 1/2	2,784.26	1 1/2	2,539.03	1 1/2	2,293.81	1 1/2	2,048.59	1 1/2	1,803.37	1 1/2	1,558.14	1 1/2	1,312.22
3/4	3/4	3/4	3,269.59	3/4	3,024.37	3/4	2,779.15	3/4	2,533.92	3/4	2,288.70	3/4	2,043.48	3/4	1,798.25	3/4	1,553.03	3/4	1,307.05
3	3	3	3,264.48	3	3,019.26	3	2,774.04	3	2,528.82	3	2,283.59	3	2,038.37	3	1,793.15	3	1,547.93	3	1,301.88
1 1/4	1 1/4	1 1/4	3,259.37	1 1/4	3,014.15	1 1/4	2,768.93	1 1/4	2,523.71	1 1/4	2,278.48	1 1/4	2,033.26	1 1/4	1,788.04	1 1/4	1,542.82	1 1/4	1,296.71
1 1/2	1 1/2	1 1/2	3,254.27	1 1/2	3,009.04	1 1/2	2,763.82	1 1/2	2,518.60	1 1/2	2,273.38	1 1/2	2,028.15	1 1/2	1,782.93	1 1/2	1,537.71	1 1/2	1,291.54
3/4	3/4	3/4	3,249.16	3/4	3,003.93	3/4	2,758.71	3/4	2,513.49	3/4	2,268.27	3/4	2,023.04	3/4	1,777.82	3/4	1,532.60	3/4	1,286.37
4	4	4	3,244.05	4	2,998.83	4	2,753.60	4	2,508.38	4	2,263.16	4	2,017.94	4	1,772.71	4	1,527.49	4	1,281.20
1 3/4	1 3/4	1 3/4	3,238.94	1 3/4	2,993.72	1 3/4	2,748.49	1 3/4	2,503.27	1 3/4	2,258.05	1 3/4	2,012.83	1 3/4	1,772.60	1 3/4	1,527.38	1 3/4	1,276.03
1 1/2	1 1/2	1 1/2	3,233.83	1 1/2	2,988.61	1 1/2	2,743.38	1 1/2	2,498.16	1 1/2	2,252.94	1 1/2	2,007.72	1 1/2	1,767.50	1 1/2	1,527.27	1 1/2	1,270.86
3/4	3/4	3/4	3,228.72	3/4	2,983.50	3/4	2,738.28	3/4	2,493.05	3/4	2,247.83	3/4	2,002.61	3/4	1,762.39	3/4	1,527.14	3/4	1,265.69
5	5	5	3,223.61	5	2,978.39	5	2,733.17	5	2,487.95	5	2,242.72	5	1,997.50	5	1,757.28	5	1,527.06	5	1,260.52
1 1/4	1 1/4	1 1/4	3,218.50	1 1/4	2,973.28	1 1/4	2,728.06	1 1/4	2,482.84	1 1/4	2,237.61	1 1/4	1,992.39	1 1/4	1,747.17	1 1/4	1,526.95	1 1/4	1,255.35
1 1/2	1 1/2	1 1/2	3,213.39	1 1/2	2,968.17	1 1/2	2,722.95	1 1/2	2,477.73	1 1/2	2,232.51	1 1/2	1,987.28	1 1/2	1,742.06	1 1/2	1,496.84	1 1/2	1,250.18
3/4	3/4	3/4	3,208.29	3/4	2,963.06	3/4	2,717.84	3/4	2,472.62	3/4	2,227.40	3/4	1,982.17	3/4	1,736.95	3/4	1,491.73	3/4	1,245.01
6	6	6	3,203.18	6	2,957.95	6	2,712.73	6	2,467.51	6	2,222.29	6	1,977.07	6	1,731.84	6	1,486.62	6	1,239.84
1 3/4	1 3/4	1 3/4	3,198.07	1 3/4	2,952.85	1 3/4	2,707.62	1 3/4	2,462.40	1 3/4	2,217.18	1 3/4	1,971.96	1 3/4	1,726.73	1 3/4	1,481.51	1 3/4	1,234.63
1 1/2	1 1/2	1 1/2	3,192.96	1 1/2	2,947.74	1 1/2	2,702.51	1 1/2	2,457.29	1 1/2	2,212.07	1 1/2	1,966.85	1 1/2	1,721.63	1 1/2	1,476.40	1 1/2	1,229.44
3/4	3/4	3/4	3,187.85	3/4	2,942.63	3/4	2,697.41	3/4	2,452.18	3/4	2,206.96	3/4	1,961.74	3/4	1,716.52	3/4	1,471.29	3/4	1,224.25
7	7	7	3,182.74	7	2,937.52	7	2,692.30	7	2,447.07	7	2,201.85	7	1,956.63	7	1,711.41	7	1,466.19	7	1,219.06
1 1/4	1 1/4	1 1/4	3,177.63	1 1/4	2,932.41	1 1/4	2,687.19	1 1/4	2,441.97	1 1/4	2,196.74	1 1/4	1,951.52	1 1/4	1,706.30	1 1/4	1,461.08	1 1/4	1,213.87
1 1/2	1 1/2	1 1/2	3,172.52	1 1/2	2,927.30	1 1/2	2,682.08	1 1/2	2,436.86	1 1/2	2,191.63	1 1/2	1,946.41	1 1/2	1,701.19	1 1/2	1,455.97	1 1/2	1,208.68
3/4	3/4	3/4	3,167.41	3/4	2,922.19	3/4	2,676.97	3/4	2,431.75	3/4	2,186.53	3/4	1,941.30	3/4	1,696.08	3/4	1,450.86	3/4	1,203.49
8	8	8	3,162.31	8	2,917.08	8	2,671.86	8	2,426.64	8	2,181.42	8	1,936.19	8	1,690.97	8	1,445.75	8	1,198.30
1 3/4	1 3/4	1 3/4	3,157.20	1 3/4	2,911.98	1 3/4	2,666.75	1 3/4	2,421.53	1 3/4	2,176.31	1 3/4	1,931.09	1 3/4	1,685.86	1 3/4	1,440.64	1 3/4	1,193.11
1 1/2	1 1/2	1 1/2	3,152.09	1 1/2	2,906.87	1 1/2	2,661.64	1 1/2	2,416.42	1 1/2	2,171.20	1 1/2	1,925.98	1 1/2	1,680.75	1 1/2	1,435.53	1 1/2	1,187.92
3/4	3/4	3/4	3,146.98	3/4	2,901.76	3/4	2,656.54	3/4	2,411.31	3/4	2,166.09	3/4	1,920.87	3/4	1,675.65	3/4	1,430.42	3/4	1,183.73
9	9	9	3,141.87	9	2,896.65	9	2,651.43	9	2,406.20	9	2,160.98	9	1,915.76	9	1,670.54	9	1,425.31	9	1,178.54
1 1/4	1 1/4	1 1/4	3,136.76	1 1/4	2,891.54	1 1/4	2,646.32	1 1/4	2,401.10	1 1/4	2,155.67	1 1/4	1,910.55	1 1/4	1,665.43	1 1/4	1,420.21	1 1/4	1,173.35
1 1/2	1 1/2	1 1/2	3,131.65	1 1/2	2,886.43	1 1/2	2,641.21	1 1/2	2,395.99	1 1/2	2,150.76	1 1/2	1,905.64	1 1/2	1,660.32	1 1/2	1,415.10	1 1/2	1,168.16
3/4	3/4	3/4	3,126.55	3/4	2,881.32	3/4	2,636.10	3/4	2,390.88	3/4	2,145.66	3/4	1,900.43	3/4	1,655.21	3/4	1,409.99	3/4	1,163.01
10	10	10	3,121.44	10	2,876.21	10	2,630.99	10	2,385.77	10	2,140.55	10	1,895.32	10	1,650.10	10	1,404.88	10	1,157.82
1 3/4	1 3/4	1 3/4	3,116.33	1 3/4	2,871.11	1 3/4	2,625.88	1 3/4	2,380.66	1 3/4	2,135.44	1 3/4	1,890.22	1 3/4	1,644.99	1 3/4	1,399.77	1 3/4	1,152.63
1 1/2	1 1/2	1 1/2	3,111.22	1 1/2	2,866.00	1 1/2	2,620.77	1 1/2	2,375.55	1 1/2	2,130.33	1 1/2	1,885.11	1 1/2	1,639.88	1 1/2	1,394.66	1 1/2	1,147.48
3/4	3/4	3/4	3,106.11	3/4	2,860.89	3/4	2,615.67	3/4	2,370.44	3/4	2,125.22	3/4	1,880.00	3/4	1,634.77	3/4	1,389.55	3/4	1,142.29
11	11	11	3,101.00	11	2,855.78	11	2,610.56	11	2,365.33	11	2,120.11	11	1,874.89	11	1,629.67	11	1,384.44	11	1,137.10
1 1/4	1 1/4	1 1/4	3,095.89	1 1/4	2,850.67	1 1/4	2,605.45	1 1/4	2,360.23	1 1/4	2,115.00	1 1/4	1,869.78	1 1/4	1,624.56	1 1/4	1,379.34	1 1/4	1,131.91
1 1/2	1 1/2	1 1/2	3,090.78	1 1/2	2,845.56	1 1/2	2,600.34	1 1/2	2,355.12	1 1/2	2,109.89	1 1/2	1,864.67	1 1/2	1,619.45	1 1/2	1,374.23	1 1/2	1,126.72
3/4	3/4	3/4	3,085.67	3/4	2,840.45	3/4	2,595.23	3/4	2,350.01	3/4	2,104.79	3/4	1,859.56	3/4	1,614.34	3/4	1,369.12	3/4	1,121.53

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-0" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77681
<http://www.pmvacorp.net>



BARGE CBC 1120

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,364.01	0	1,118.79	0	873.56	0	628.79	0	383.62	0	138.41	0	0	0	0	0	0	0	0
1/4	1,358.90	1/4	1,113.68	1/4	868.46	1/4	623.69	1/4	378.51	1/4	133.30	1/4		1/4		1/4		1/4	
1/2	1,353.79	1/2	1,108.57	1/2	863.35	1/2	618.59	1/2	373.40	1/2	128.19	1/2		1/2		1/2		1/2	
3/4	1,348.68	3/4	1,103.46	3/4	858.24	3/4	613.49	3/4	368.29	3/4	123.08	3/4		3/4		3/4		3/4	
1	1,343.57	1	1,098.35	1	853.13	1	608.39	1	363.18	1	117.97	1		1		1		1	
1 1/4	1,338.47	1 1/4	1,093.24	1 1/4	848.02	1 1/4	603.29	1 1/4	358.08	1 1/4	112.86	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,333.36	1 1/2	1,088.13	1 1/2	842.91	1 1/2	598.18	1 1/2	352.97	1 1/2	107.75	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,328.25	3/4	1,083.03	3/4	837.80	3/4	593.07	3/4	347.86	3/4	102.65	3/4		3/4		3/4		3/4	
2	1,323.14	2	1,077.92	2	832.69	2	587.96	2	342.75	2	97.54	2		2		2		2	
2 1/4	1,318.03	2 1/4	1,072.81	2 1/4	827.59	2 1/4	582.85	2 1/4	337.64	2 1/4	92.43	2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2	1,312.92	2 1/2	1,067.70	2 1/2	822.48	2 1/2	577.75	2 1/2	332.53	2 1/2	87.32	2 1/2		2 1/2		2 1/2		2 1/2	
3/4	1,307.81	3/4	1,062.59	3/4	817.37	3/4	572.64	3/4	327.42	3/4	82.21	3/4		3/4		3/4		3/4	
3	1,302.70	3	1,057.48	3	812.26	3	567.53	3	322.32	3	77.11	3		3		3		3	
3 1/4	1,297.59	3 1/4	1,052.37	3 1/4	807.15	3 1/4	562.42	3 1/4	317.21	3 1/4	72.00	3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2	1,292.49	3 1/2	1,047.26	3 1/2	802.05	3 1/2	557.31	3 1/2	312.10	3 1/2	66.89	3 1/2		3 1/2		3 1/2		3 1/2	
3/4	1,287.38	3/4	1,042.15	3/4	796.95	3/4	552.20	3/4	306.99	3/4	61.81	3/4		3/4		3/4		3/4	
4	1,282.27	4	1,037.05	4	791.85	4	547.09	4	301.88	4	56.71	4		4		4		4	
4 1/4	1,277.16	4 1/4	1,031.94	4 1/4	786.75	4 1/4	541.99	4 1/4	296.77	4 1/4	51.62	4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2	1,272.05	4 1/2	1,026.83	4 1/2	781.65	4 1/2	536.88	4 1/2	291.66	4 1/2	46.55	4 1/2		4 1/2		4 1/2		4 1/2	
3/4	1,266.94	3/4	1,021.72	3/4	776.56	3/4	531.77	3/4	286.56	3/4	41.49	3/4		3/4		3/4		3/4	
5	1,261.83	5	1,016.61	5	771.46	5	526.66	5	281.45	5	36.42	5		5		5		5	
5 1/4	1,256.72	5 1/4	1,011.50	5 1/4	766.37	5 1/4	521.55	5 1/4	276.34	5 1/4	31.36	5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	1,251.61	5 1/2	1,006.39	5 1/2	761.27	5 1/2	516.44	5 1/2	271.23	5 1/2	27.11	5 1/2		5 1/2		5 1/2		5 1/2	
3/4	1,246.51	3/4	1,001.28	3/4	756.18	3/4	511.33	3/4	266.12	3/4	22.95	3/4		3/4		3/4		3/4	
6	1,241.40	6	996.18	6	751.08	6	506.23	6	261.01	6	18.60	6		6		6		6	
6 1/4	1,236.29	6 1/4	991.07	6 1/4	745.98	6 1/4	501.12	6 1/4	255.90	6 1/4	14.34	6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	1,231.18	6 1/2	985.96	6 1/2	740.89	6 1/2	496.01	6 1/2	250.80	6 1/2	11.79	6 1/2		6 1/2		6 1/2		6 1/2	
3/4	1,226.07	3/4	980.85	3/4	735.79	3/4	490.90	3/4	245.69	3/4	9.23	3/4		3/4		3/4		3/4	
7	1,220.96	7	975.74	7	730.70	7	485.79	7	240.58	7	6.68	7		7		7		7	
7 1/4	1,215.85	7 1/4	970.63	7 1/4	725.60	7 1/4	480.68	7 1/4	235.47	7 1/4	4.13	7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	1,210.75	7 1/2	965.52	7 1/2	720.51	7 1/2	475.57	7 1/2	230.36	7 1/2	3.28	7 1/2		7 1/2		7 1/2		7 1/2	
3/4	1,205.64	3/4	960.41	3/4	715.41	3/4	470.47	3/4	225.25	3/4	2.43	3/4		3/4		3/4		3/4	
8	1,200.53	8	955.31	8	710.31	8	465.36	8	220.14	8	1.58	8		8		8		8	
8 1/4	1,195.42	8 1/4	950.20	8 1/4	705.22	8 1/4	460.25	8 1/4	215.04	8 1/4	0.73	8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	1,190.31	8 1/2	945.09	8 1/2	700.12	8 1/2	455.14	8 1/2	209.93	8 1/2		8 1/2		8 1/2		8 1/2		8 1/2	
3/4	1,185.20	3/4	939.98	3/4	695.03	3/4	450.03	3/4	204.82	3/4		3/4		3/4		3/4		3/4	
9	1,180.09	9	934.87	9	689.93	9	444.92	9	199.71	9		9		9		9		9	
9 1/4	1,174.98	9 1/4	929.76	9 1/4	684.84	9 1/4	439.81	9 1/4	194.60	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	1,169.87	9 1/2	924.65	9 1/2	679.74	9 1/2	434.71	9 1/2	189.49	9 1/2		9 1/2		9 1/2		9 1/2		9 1/2	
3/4	1,164.77	3/4	919.54	3/4	674.65	3/4	429.60	3/4	184.38	3/4		3/4		3/4		3/4		3/4	
10	1,159.66	10	914.43	10	669.55	10	424.49	10	179.28	10		10		10		10		10	
10 1/4	1,154.55	10 1/4	909.33	10 1/4	664.45	10 1/4	419.38	10 1/4	174.17	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	1,149.44	10 1/2	904.22	10 1/2	659.36	10 1/2	414.27	10 1/2	169.06	10 1/2		10 1/2		10 1/2		10 1/2		10 1/2	
3/4	1,144.33	3/4	899.11	3/4	654.26	3/4	409.16	3/4	163.95	3/4		3/4		3/4		3/4		3/4	
11	1,139.22	11	894.00	11	649.17	11	404.05	11	158.84	11		11		11		11		11	
11 1/4	1,134.11	11 1/4	888.89	11 1/4	644.07	11 1/4	398.94	11 1/4	153.73	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	1,129.00	11 1/2	883.78	11 1/2	638.98	11 1/2	393.84	11 1/2	148.62	11 1/2		11 1/2		11 1/2		11 1/2		11 1/2	
3/4	1,123.90	3/4	878.67	3/4	633.88	3/4	388.73	3/4	143.51	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 7/24/2019 JS
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PRINTED: 07/26/2019 CL

CANCELLED AND SUPERCEDES
ALL PRIOR TO 07/2019

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