



BARGE "KIRBY 31005B"

ULLAGE TRIM TABLE
FORMERLY "CTCo 356B"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
1 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
2 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
2 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
3 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
3 STBD	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	01-1/4	- 01-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 275'-03"

May 20, 2020

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

<http://www.pmacorp.net>



BARGE "KIRBY 31005B"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	5,112.71	0	4,780.70	0	4,431.55	0	4,064.50	0	3,681.58	0	3,294.75	0	2,907.93
1/4		1/4		1/4		1/4	5,105.09	1/4	4,773.58	1/4	4,424.06	1/4	4,056.67	1/4	3,673.52	1/4	3,286.70	1/4	2,899.87
1/2		1/2		1/2		1/2	5,097.47	1/2	4,766.47	1/2	4,416.56	1/2	4,048.83	1/2	3,665.46	1/2	3,278.64	1/2	2,891.81
3/4		3/4		3/4		3/4	5,089.85	3/4	4,759.35	3/4	4,409.07	3/4	4,040.99	3/4	3,657.40	3/4	3,270.58	3/4	2,883.75
1	1	1	1	1	1	1	5,082.23	1	4,752.24	1	4,401.58	1	4,033.15	1	3,649.35	1	3,262.52	1	2,875.69
1/4		1/4		1/4		1/4	5,074.61	1/4	4,745.10	1/4	4,394.05	1/4	4,025.29	1/4	3,641.29	1/4	3,254.46	1/4	2,867.63
1/2		1/2		1/2		1/2	5,066.99	1/2	4,737.96	1/2	4,386.53	1/2	4,017.42	1/2	3,633.23	1/2	3,246.40	1/2	2,859.57
3/4		3/4		3/4		3/4	5,059.37	3/4	4,730.83	3/4	4,379.01	3/4	4,009.56	3/4	3,625.17	3/4	3,238.34	3/4	2,851.51
2	2	2	2	2	2	2	5,051.75	2	4,723.69	2	4,371.49	2	4,001.69	2	3,617.11	2	3,230.28	2	2,843.46
1/4		1/4		1/4		1/4	5,045.02	1/4	4,716.53	1/4	4,363.94	1/4	3,993.80	1/4	3,609.05	1/4	3,222.22	1/4	2,835.40
1/2		1/2		1/2		1/2	5,038.29	1/2	4,709.36	1/2	4,356.39	1/2	3,985.90	1/2	3,600.99	1/2	3,214.16	1/2	2,827.34
3/4		3/4		3/4		3/4	5,031.56	3/4	4,702.20	3/4	4,348.84	3/4	3,978.01	3/4	3,592.93	3/4	3,206.11	3/4	2,819.28
3	3	3	3	3	3	3	5,024.83	3	4,695.04	3	4,341.29	3	3,970.12	3	3,584.87	3	3,198.05	3	2,811.22
1/4		1/4		1/4		1/4	5,018.38	1/4	4,687.84	1/4	4,333.71	1/4	3,962.19	1/4	3,576.82	1/4	3,189.99	1/4	2,803.16
1/2		1/2		1/2		1/2	5,011.92	1/2	4,680.65	1/2	4,326.13	1/2	3,954.27	1/2	3,568.76	1/2	3,181.93	1/2	2,795.10
3/4		3/4		3/4		3/4	5,005.47	3/4	4,673.46	3/4	4,318.55	3/4	3,946.35	3/4	3,560.70	3/4	3,173.87	3/4	2,787.04
4	4	4	4	4	4	4	4,999.02	4	4,666.27	4	4,310.97	4	3,938.42	4	3,552.64	4	3,165.81	4	2,778.98
1/4		1/4		1/4		1/4	4,992.53	1/4	4,659.05	1/4	4,303.36	1/4	3,930.47	1/4	3,544.58	1/4	3,157.75	1/4	2,770.93
1/2		1/2		1/2		1/2	4,986.05	1/2	4,651.83	1/2	4,295.75	1/2	3,922.52	1/2	3,536.52	1/2	3,149.69	1/2	2,762.87
3/4		3/4		3/4		3/4	4,979.57	3/4	4,644.61	3/4	4,288.15	3/4	3,914.57	3/4	3,528.46	3/4	3,141.63	3/4	2,754.81
5	5	5	5	5	5	5	4,973.09	5	4,637.39	5	4,280.54	5	3,906.62	5	3,520.40	5	3,133.58	5	2,746.75
1/4		1/4		1/4		1/4	4,966.58	1/4	4,630.14	1/4	4,272.91	1/4	3,898.64	1/4	3,512.34	1/4	3,125.52	1/4	2,738.69
1/2		1/2		1/2		1/2	4,960.06	1/2	4,622.89	1/2	4,265.28	1/2	3,890.66	1/2	3,504.29	1/2	3,117.46	1/2	2,730.63
3/4		3/4		3/4		3/4	4,953.55	3/4	4,615.64	3/4	4,257.65	3/4	3,882.68	3/4	3,496.23	3/4	3,109.40	3/4	2,722.57
6	6	6	6	6	6	6	4,947.04	6	4,608.39	6	4,250.02	6	3,874.70	6	3,488.17	6	3,101.34	6	2,714.51
1/4		1/4		1/4		1/4	4,940.50	1/4	4,601.11	1/4	4,242.37	1/4	3,866.69	1/4	3,480.11	1/4	3,093.28	1/4	2,706.45
1/2		1/2		1/2		1/2	4,933.96	1/2	4,593.82	1/2	4,234.71	1/2	3,858.68	1/2	3,472.05	1/2	3,085.22	1/2	2,698.40
3/4		3/4		3/4		3/4	4,927.42	3/4	4,586.54	3/4	4,227.05	3/4	3,850.67	3/4	3,463.99	3/4	3,077.16	3/4	2,690.34
7	7	7	7	7	7	7	5,253.62	7	4,920.88	7	4,579.25	7	4,219.40	7	3,842.66	7	3,455.93	7	2,682.28
1/4		1/4		1/4		1/4	5,248.48	1/4	4,914.01	1/4	4,571.94	1/4	4,211.71	1/4	3,834.62	1/4	3,447.87	1/4	2,674.22
1/2		1/2		1/2		1/2	5,243.35	1/2	4,907.14	1/2	4,564.62	1/2	4,204.03	1/2	3,826.59	1/2	3,439.81	1/2	2,666.16
3/4		3/4		3/4		3/4	5,238.21	3/4	4,900.27	3/4	4,557.30	3/4	4,196.35	3/4	3,818.55	3/4	3,431.76	3/4	2,658.10
8	8	8	8	8	8	8	5,233.08	8	4,893.40	8	4,549.99	8	4,188.66	8	3,810.51	8	3,423.70	8	2,650.04
1/4		1/4		1/4		1/4	5,225.92	1/4	4,886.40	1/4	4,542.64	1/4	4,180.95	1/4	3,802.46	1/4	3,415.64	1/4	2,641.98
1/2		1/2		1/2		1/2	5,218.77	1/2	4,879.40	1/2	4,535.30	1/2	4,173.24	1/2	3,794.40	1/2	3,407.58	1/2	2,633.92
3/4		3/4		3/4		3/4	5,211.62	3/4	4,872.40	3/4	4,527.95	3/4	4,165.52	3/4	3,786.34	3/4	3,399.52	3/4	2,625.87
9	9	9	9	9	9	9	5,204.47	9	4,865.40	9	4,520.61	9	4,157.81	9	3,778.29	9	3,391.46	9	2,617.81
1/4		1/4		1/4		1/4	5,196.82	1/4	4,858.37	1/4	4,513.24	1/4	4,150.07	1/4	3,770.23	1/4	3,383.40	1/4	2,996.57
1/2		1/2		1/2		1/2	5,189.16	1/2	4,851.34	1/2	4,505.86	1/2	4,142.33	1/2	3,762.17	1/2	3,375.34	1/2	2,988.52
3/4		3/4		3/4		3/4	5,181.51	3/4	4,844.31	3/4	4,498.49	3/4	4,134.59	3/4	3,754.11	3/4	3,367.28	3/4	2,980.46
10	10	10	10	10	10	10	5,173.85	10	4,837.28	10	4,491.12	10	4,126.84	10	3,746.05	10	3,359.23	10	2,972.40
1/4		1/4		1/4		1/4	5,166.20	1/4	4,830.22	1/4	4,483.69	1/4	4,119.07	1/4	3,737.99	1/4	3,351.17	1/4	2,964.34
1/2		1/2		1/2		1/2	5,158.54	1/2	4,823.16	1/2	4,476.26	1/2	4,111.29	1/2	3,729.93	1/2	3,343.11	1/2	2,956.28
3/4		3/4		3/4		3/4	5,150.89	3/4	4,816.10	3/4	4,468.83	3/4	4,103.51	3/4	3,721.88	3/4	3,335.05	3/4	2,948.22
11	11	11	11	11	11	11	5,143.23	11	4,809.05	11	4,461.41	11	4,095.74	11	3,713.82	11	3,326.99	11	2,940.16
1/4		1/4		1/4		1/4	5,135.60	1/4	4,801.96	1/4	4,453.94	1/4	4,087.93	1/4	3,705.76	1/4	3,318.93	1/4	2,932.10
1/2		1/2		1/2		1/2	5,127.97	1/2	4,794.87	1/2	4,446.48	1/2	4,080.12	1/2	3,697.70	1/2	3,310.87	1/2	2,924.04
3/4		3/4		3/4		3/4	5,120.34	3/4	4,787.79	3/4	4,439.01	3/4	4,072.31	3/4	3,689.64	3/4	3,302.81	3/4	2,915.99

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 31005B"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-06"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,521.10	0	2,134.27	0	1,747.45	0	1,360.62	0	973.79	0	588.33	0	201.87	0		0		0	
1/4	2,513.04	1/4	2,126.21	1/4	1,739.39	1/4	1,352.56	1/4	965.73	1/4	580.30	1/4	193.81	1/4		1/4		1/4	
1/2	2,504.98	1/2	2,118.15	1/2	1,731.33	1/2	1,344.50	1/2	957.67	1/2	572.28	1/2	185.75	1/2		1/2		1/2	
3/4	2,496.92	3/4	2,110.10	3/4	1,723.27	3/4	1,336.44	3/4	949.61	3/4	564.25	3/4	177.69	3/4		3/4		3/4	
1	2,488.86	1	2,102.04	1	1,715.21	1	1,328.38	1	941.56	1	556.23	1	169.64	1		1		1	
1/4	2,480.81	1/4	2,093.98	1/4	1,707.15	1/4	1,320.32	1/4	933.50	1/4	548.20	1/4	161.58	1/4		1/4		1/4	
1/2	2,472.75	1/2	2,085.92	1/2	1,699.09	1/2	1,312.26	1/2	925.44	1/2	540.16	1/2	153.52	1/2		1/2		1/2	
3/4	2,464.69	3/4	2,077.86	3/4	1,691.03	3/4	1,304.21	3/4	917.38	3/4	532.13	3/4	145.46	3/4		3/4		3/4	
2	2,456.63	2	2,069.80	2	1,682.97	2	1,296.15	2	909.32	2	524.10	2	137.40	2		2		2	
1/4	2,448.57	1/4	2,061.74	1/4	1,674.92	1/4	1,288.09	1/4	901.26	1/4	516.06	1/4	129.34	1/4		1/4		1/4	
1/2	2,440.51	1/2	2,053.68	1/2	1,666.86	1/2	1,280.03	1/2	893.20	1/2	508.03	1/2	121.28	1/2		1/2		1/2	
3/4	2,432.45	3/4	2,045.62	3/4	1,658.80	3/4	1,271.97	3/4	885.14	3/4	499.99	3/4	113.23	3/4		3/4		3/4	
3	2,424.39	3	2,037.57	3	1,650.74	3	1,263.91	3	877.08	3	491.96	3	105.17	3		3		3	
1/4	2,416.33	1/4	2,029.51	1/4	1,642.68	1/4	1,255.85	1/4	869.05	1/4	483.91	1/4	97.11	1/4		1/4		1/4	
1/2	2,408.27	1/2	2,021.45	1/2	1,634.62	1/2	1,247.79	1/2	861.02	1/2	475.85	1/2	89.05	1/2		1/2		1/2	
3/4	2,400.22	3/4	2,013.39	3/4	1,626.56	3/4	1,239.73	3/4	852.98	3/4	467.80	3/4	80.99	3/4		3/4		3/4	
4	2,392.16	4	2,005.33	4	1,618.50	4	1,231.68	4	844.95	4	459.75	4	72.93	4		4		4	
1/4	2,384.10	1/4	1,997.27	1/4	1,610.44	1/4	1,223.62	1/4	836.93	1/4	451.69	1/4	65.63	1/4		1/4		1/4	
1/2	2,376.04	1/2	1,989.21	1/2	1,602.38	1/2	1,215.56	1/2	828.90	1/2	443.63	1/2	58.32	1/2		1/2		1/2	
3/4	2,367.98	3/4	1,981.15	3/4	1,594.33	3/4	1,207.50	3/4	820.88	3/4	435.57	3/4	51.02	3/4		3/4		3/4	
5	2,359.92	5	1,973.09	5	1,586.27	5	1,199.44	5	812.86	5	427.51	5	43.72	5		5		5	
1/4	2,351.86	1/4	1,965.04	1/4	1,578.21	1/4	1,191.38	1/4	804.84	1/4	419.46	1/4	38.18	1/4		1/4		1/4	
1/2	2,343.80	1/2	1,956.98	1/2	1,570.15	1/2	1,183.32	1/2	796.82	1/2	411.40	1/2	32.63	1/2		1/2		1/2	
3/4	2,335.74	3/4	1,948.92	3/4	1,562.09	3/4	1,175.26	3/4	788.80	3/4	403.34	3/4	27.09	3/4		3/4		3/4	
6	2,327.69	6	1,940.86	6	1,554.03	6	1,167.20	6	780.78	6	395.28	6	21.55	6		6		6	
1/4	2,319.63	1/4	1,932.80	1/4	1,545.97	1/4	1,159.15	1/4	772.76	1/4	387.22	1/4		1/4		1/4		1/4	
1/2	2,311.57	1/2	1,924.74	1/2	1,537.91	1/2	1,151.09	1/2	764.74	1/2	379.16	1/2		1/2		1/2		1/2	
3/4	2,303.51	3/4	1,916.68	3/4	1,529.85	3/4	1,143.03	3/4	756.73	3/4	371.10	3/4		3/4		3/4		3/4	
7	2,295.45	7	1,908.62	7	1,521.80	7	1,134.97	7	748.71	7	363.04	7		7		7		7	
1/4	2,287.39	1/4	1,900.56	1/4	1,513.74	1/4	1,126.91	1/4	740.69	1/4	354.99	1/4		1/4		1/4		1/4	
1/2	2,279.33	1/2	1,892.51	1/2	1,505.68	1/2	1,118.85	1/2	732.67	1/2	346.93	1/2		1/2		1/2		1/2	
3/4	2,271.27	3/4	1,884.45	3/4	1,497.62	3/4	1,110.79	3/4	724.65	3/4	338.87	3/4		3/4		3/4		3/4	
8	2,263.21	8	1,876.39	8	1,489.56	8	1,102.73	8	716.63	8	330.81	8		8		8		8	
1/4	2,255.16	1/4	1,868.33	1/4	1,481.50	1/4	1,094.67	1/4	708.61	1/4	322.75	1/4		1/4		1/4		1/4	
1/2	2,247.10	1/2	1,860.27	1/2	1,473.44	1/2	1,086.62	1/2	700.59	1/2	314.69	1/2		1/2		1/2		1/2	
3/4	2,239.04	3/4	1,852.21	3/4	1,465.38	3/4	1,078.56	3/4	692.57	3/4	306.63	3/4		3/4		3/4		3/4	
9	2,230.98	9	1,844.15	9	1,457.32	9	1,070.50	9	684.55	9	298.58	9		9		9		9	
1/4	2,222.92	1/4	1,836.09	1/4	1,449.27	1/4	1,062.44	1/4	676.54	1/4	290.52	1/4		1/4		1/4		1/4	
1/2	2,214.86	1/2	1,828.03	1/2	1,441.21	1/2	1,054.38	1/2	668.52	1/2	282.46	1/2		1/2		1/2		1/2	
3/4	2,206.80	3/4	1,819.98	3/4	1,433.15	3/4	1,046.32	3/4	660.50	3/4	274.40	3/4		3/4		3/4		3/4	
10	2,198.74	10	1,811.92	10	1,425.09	10	1,038.26	10	652.48	10	266.34	10		10		10		10	
1/4	2,190.68	1/4	1,803.86	1/4	1,417.03	1/4	1,030.20	1/4	644.46	1/4	258.28	1/4		1/4		1/4		1/4	
1/2	2,182.63	1/2	1,795.80	1/2	1,408.97	1/2	1,022.14	1/2	636.44	1/2	250.22	1/2		1/2		1/2		1/2	
3/4	2,174.57	3/4	1,787.74	3/4	1,400.91	3/4	1,014.09	3/4	628.42	3/4	242.16	3/4		3/4		3/4		3/4	
11	2,166.51	11	1,779.68	11	1,392.85	11	1,006.03	11	620.40	11	234.11	11		11		11		11	
1/4	2,158.45	1/4	1,771.62	1/4	1,384.79	1/4	997.97	1/4	612.38	1/4	226.05	1/4		1/4		1/4		1/4	
1/2	2,150.39	1/2	1,763.56	1/2	1,376.74	1/2	989.91	1/2	604.36	1/2	217.99	1/2		1/2		1/2		1/2	
3/4	2,142.33	3/4	1,755.50	3/4	1,368.68	3/4	981.85	3/4	596.35	3/4	209.93	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL
RECALCULATED: 05/20/2020 CL
REPRINTED: 05/20/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/20/2020

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



BARGE "KIRBY 31005B"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	5,100.22	0	4,769.15	0	4,419.16	0	4,051.32	0	3,667.87	0	3,280.90	0	2,893.94
1/4		1/4		1/4		1/4	5,092.59	1/4	4,762.03	1/4	4,411.67	1/4	4,043.48	1/4	3,659.80	1/4	3,272.84	1/4	2,885.88
1/2		1/2		1/2		1/2	5,084.97	1/2	4,754.92	1/2	4,404.17	1/2	4,035.64	1/2	3,651.74	1/2	3,264.78	1/2	2,877.82
3/4		3/4		3/4		3/4	5,077.35	3/4	4,747.78	3/4	4,396.65	3/4	4,027.77	3/4	3,643.68	3/4	3,256.72	3/4	2,869.76
1	1	1	1	1	1	1	5,069.73	1	4,740.64	1	4,389.12	1	4,019.91	1	3,635.62	1	3,248.66	1	2,861.70
1/4		1/4		1/4		1/4	5,062.10	1/4	4,733.50	1/4	4,381.60	1/4	4,012.04	1/4	3,627.56	1/4	3,240.60	1/4	2,853.63
1/2		1/2		1/2		1/2	5,054.48	1/2	4,726.36	1/2	4,374.08	1/2	4,004.17	1/2	3,619.50	1/2	3,232.53	1/2	2,845.57
3/4		3/4		3/4		3/4	5,047.75	3/4	4,719.20	3/4	4,366.52	3/4	3,996.27	3/4	3,611.43	3/4	3,224.47	3/4	2,837.51
2	2	2	2	2	2	2	5,041.02	2	4,712.03	2	4,358.97	2	3,988.38	2	3,603.37	2	3,216.41	2	2,829.45
1/4		1/4		1/4		1/4	5,034.29	1/4	4,704.87	1/4	4,351.42	1/4	3,980.48	1/4	3,595.31	1/4	3,208.35	1/4	2,821.39
1/2		1/2		1/2		1/2	5,027.56	1/2	4,697.70	1/2	4,343.86	1/2	3,972.58	1/2	3,587.25	1/2	3,200.29	1/2	2,813.33
3/4		3/4		3/4		3/4	5,021.10	3/4	4,690.51	3/4	4,336.28	3/4	3,964.66	3/4	3,579.19	3/4	3,192.23	3/4	2,805.26
3	3	3	3	3	3	3	5,014.65	3	4,683.32	3	4,328.70	3	3,956.73	3	3,571.13	3	3,184.16	3	2,797.20
1/4		1/4		1/4		1/4	5,008.19	1/4	4,676.12	1/4	4,321.12	1/4	3,948.81	1/4	3,563.06	1/4	3,176.10	1/4	2,789.14
1/2		1/2		1/2		1/2	5,001.74	1/2	4,668.93	1/2	4,313.54	1/2	3,940.88	1/2	3,555.00	1/2	3,168.04	1/2	2,781.08
3/4		3/4		3/4		3/4	4,995.26	3/4	4,661.71	3/4	4,305.93	3/4	3,932.93	3/4	3,546.94	3/4	3,159.98	3/4	2,773.02
4	4	4	4	4	4	4	4,988.77	4	4,654.49	4	4,298.32	4	3,924.97	4	3,538.88	4	3,151.92	4	2,764.96
1/4		1/4		1/4		1/4	4,982.29	1/4	4,647.26	1/4	4,290.71	1/4	3,917.02	1/4	3,530.82	1/4	3,143.86	1/4	2,756.89
1/2		1/2		1/2		1/2	4,975.81	1/2	4,640.04	1/2	4,283.10	1/2	3,909.07	1/2	3,522.76	1/2	3,135.79	1/2	2,748.83
3/4		3/4		3/4		3/4	4,969.30	3/4	4,632.79	3/4	4,275.47	3/4	3,901.08	3/4	3,514.69	3/4	3,127.73	3/4	2,740.77
5	5	5	5	5	5	5	4,962.78	5	4,625.54	5	4,267.84	5	3,893.10	5	3,506.63	5	3,119.67	5	2,732.71
1/4		1/4		1/4		1/4	4,956.27	1/4	4,618.29	1/4	4,260.21	1/4	3,885.12	1/4	3,498.57	1/4	3,111.61	1/4	2,724.65
1/2		1/2		1/2		1/2	4,949.76	1/2	4,611.04	1/2	4,252.57	1/2	3,877.13	1/2	3,490.51	1/2	3,103.55	1/2	2,716.59
3/4		3/4		3/4		3/4	4,943.22	3/4	4,603.75	3/4	4,244.92	3/4	3,869.12	3/4	3,482.45	3/4	3,095.49	3/4	2,708.52
6	6	6	6	6	6	6	4,936.68	6	4,596.47	6	4,237.26	6	3,861.11	6	3,474.39	6	3,087.42	6	2,700.46
1/4		1/4		1/4		1/4	4,930.14	1/4	4,589.18	1/4	4,229.60	1/4	3,853.10	1/4	3,466.32	1/4	3,079.36	1/4	2,692.40
1/2		1/2		1/2		1/2	5,256.41	1/2	4,923.60	1/2	4,581.89	1/2	4,221.94	1/2	3,845.09	1/2	3,458.26	1/2	3,071.30
3/4		3/4		3/4		3/4	5,251.28	3/4	4,916.73	3/4	4,574.57	3/4	4,214.26	3/4	3,837.05	3/4	3,450.20	3/4	3,063.24
7	7	7	7	7	7	7	4,909.85	7	4,567.26	7	4,206.57	7	3,829.01	7	3,442.14	7	3,055.18	7	2,668.22
1/4		1/4		1/4		1/4	5,241.00	1/4	4,902.98	1/4	4,559.94	1/4	4,198.88	1/4	3,820.97	1/4	3,434.08	1/4	3,047.12
1/2		1/2		1/2		1/2	5,235.86	1/2	4,896.11	1/2	4,552.62	1/2	4,191.20	1/2	3,812.93	1/2	3,426.01	1/2	3,039.05
3/4		3/4		3/4		3/4	5,228.71	3/4	4,889.11	3/4	4,545.27	3/4	4,183.48	3/4	3,804.88	3/4	3,417.95	3/4	3,030.99
8	8	8	8	8	8	8	5,221.55	8	4,882.10	8	4,537.93	8	4,175.77	8	3,796.83	8	3,409.89	8	3,022.93
1/4		1/4		1/4		1/4	5,214.40	1/4	4,875.10	1/4	4,530.58	1/4	4,168.05	1/4	3,788.78	1/4	3,401.83	1/4	3,014.87
1/2		1/2		1/2		1/2	5,207.25	1/2	4,868.10	1/2	4,523.24	1/2	4,160.34	1/2	3,780.73	1/2	3,393.77	1/2	3,006.81
3/4		3/4		3/4		3/4	5,199.59	3/4	4,861.07	3/4	4,515.86	3/4	4,152.59	3/4	3,772.67	3/4	3,385.71	3/4	2,998.74
9	9	9	9	9	9	9	5,191.93	9	4,854.04	9	4,508.49	9	4,144.85	9	3,764.61	9	3,377.64	9	2,990.68
1/4		1/4		1/4		1/4	5,184.27	1/4	4,847.01	1/4	4,501.11	1/4	4,137.10	1/4	3,756.54	1/4	3,369.58	1/4	2,982.62
1/2		1/2		1/2		1/2	5,176.62	1/2	4,839.98	1/2	4,493.74	1/2	4,129.36	1/2	3,748.48	1/2	3,361.52	1/2	2,974.56
3/4		3/4		3/4		3/4	5,168.96	3/4	4,832.92	3/4	4,486.31	3/4	4,121.58	3/4	3,740.42	3/4	3,353.46	3/4	2,966.50
10	10	10	10	10	10	10	5,161.30	10	4,825.86	10	4,478.88	10	4,113.80	10	3,732.36	10	3,345.40	10	2,958.44
1/4		1/4		1/4		1/4	5,153.65	1/4	4,818.80	1/4	4,471.45	1/4	4,106.02	1/4	3,724.30	1/4	3,337.34	1/4	2,950.37
1/2		1/2		1/2		1/2	5,145.99	1/2	4,811.74	1/2	4,464.02	1/2	4,098.24	1/2	3,716.24	1/2	3,329.27	1/2	2,942.31
3/4		3/4		3/4		3/4	5,138.36	3/4	4,804.65	3/4	4,456.55	3/4	4,090.43	3/4	3,708.17	3/4	3,321.21	3/4	2,934.25
11	11	11	11	11	11	11	5,130.73	11	4,797.56	11	4,449.08	11	4,082.62	11	3,700.11	11	3,313.15	11	2,926.19
1/4		1/4		1/4		1/4	5,123.09	1/4	4,790.47	1/4	4,441.62	1/4	4,074.81	1/4	3,692.05	1/4	3,305.09	1/4	2,918.13
1/2		1/2		1/2		1/2	5,115.46	1/2	4,783.38	1/2	4,434.15	1/2	4,067.00	1/2	3,683.99	1/2	3,297.03	1/2	2,910.07
3/4		3/4		3/4		3/4	5,107.84	3/4	4,776.27	3/4	4,426.66	3/4	4,059.16	3/4	3,675.93	3/4	3,288.97	3/4	2,902.00

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 WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 31005B"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-05 1/2"

10 FT.			11 FT.			12 FT.			13 FT.			14 FT.			15 FT.			16 FT.			17 FT.			18 FT.			19 FT.					
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0	2,506.98	0	2,120.02	0	1,733.06	0	1,346.10	0	959.13	0	572.73	0	185.82	0																		
1/4	2,498.92	1/4	2,111.96	1/4	1,725.00	1/4	1,338.03	1/4	951.07	1/4	564.68	1/4	177.75	1/4																		
1/2	2,490.86	1/2	2,103.90	1/2	1,716.93	1/2	1,329.97	1/2	943.01	1/2	556.63	1/2	169.69	1/2																		
3/4	2,482.80	3/4	2,095.83	3/4	1,708.87	3/4	1,321.91	3/4	934.95	3/4	548.57	3/4	161.63	3/4																		
1	2,474.73	1	2,087.77	1	1,700.81	1	1,313.85	1	926.89	1	540.51	1	153.57	1																		
1/4	2,466.67	1/4	2,079.71	1/4	1,692.75	1/4	1,305.79	1/4	918.83	1/4	532.45	1/4	145.51	1/4																		
1/2	2,458.61	1/2	2,071.65	1/2	1,684.69	1/2	1,297.73	1/2	910.76	1/2	524.39	1/2	137.45	1/2																		
3/4	2,450.55	3/4	2,063.59	3/4	1,676.63	3/4	1,289.66	3/4	902.70	3/4	516.33	3/4	129.39	3/4																		
2	2,442.49	2	2,055.53	2	1,668.56	2	1,281.60	2	894.64	2	508.27	2	121.32	2																		
1/4	2,434.43	1/4	2,047.46	1/4	1,660.50	1/4	1,273.54	1/4	886.58	1/4	500.21	1/4	113.26	1/4																		
1/2	2,426.36	1/2	2,039.40	1/2	1,652.44	1/2	1,265.48	1/2	878.52	1/2	492.15	1/2	105.20	1/2																		
3/4	2,418.30	3/4	2,031.34	3/4	1,644.38	3/4	1,257.42	3/4	870.46	3/4	484.09	3/4	97.14	3/4																		
3	2,410.24	3	2,023.28	3	1,636.32	3	1,249.36	3	862.41	3	476.03	3	89.08	3																		
1/4	2,402.18	1/4	2,015.22	1/4	1,628.26	1/4	1,241.29	1/4	854.35	1/4	467.97	1/4	81.02	1/4																		
1/2	2,394.12	1/2	2,007.16	1/2	1,620.19	1/2	1,233.23	1/2	846.30	1/2	459.90	1/2	72.96	1/2																		
3/4	2,386.06	3/4	1,999.09	3/4	1,612.13	3/4	1,225.17	3/4	838.25	3/4	451.84	3/4	65.65	3/4																		
4	2,377.99	4	1,991.03	4	1,604.07	4	1,217.11	4	830.20	4	443.78	4	58.34	4																		
1/4	2,369.93	1/4	1,982.97	1/4	1,596.01	1/4	1,209.05	1/4	822.16	1/4	435.72	1/4	51.04	1/4																		
1/2	2,361.87	1/2	1,974.91	1/2	1,587.95	1/2	1,200.99	1/2	814.11	1/2	427.66	1/2	43.73	1/2																		
3/4	2,353.81	3/4	1,966.85	3/4	1,579.89	3/4	1,192.92	3/4	806.06	3/4	419.60	3/4	38.19	3/4																		
5	2,345.75	5	1,958.79	5	1,571.82	5	1,184.86	5	798.02	5	411.54	5	32.65	5																		
1/4	2,337.69	1/4	1,950.72	1/4	1,563.76	1/4	1,176.80	1/4	789.97	1/4	403.47	1/4	27.10	1/4																		
1/2	2,329.62	1/2	1,942.66	1/2	1,555.70	1/2	1,168.74	1/2	781.92	1/2	395.41	1/2	21.56	1/2																		
3/4	2,321.56	3/4	1,934.60	3/4	1,547.64	3/4	1,160.68	3/4	773.88	3/4	387.35	3/4		3/4																		
6	2,313.50	6	1,926.54	6	1,539.58	6	1,152.62	6	765.83	6	379.29	6		6																		
1/4	2,305.44	1/4	1,918.48	1/4	1,531.52	1/4	1,144.55	1/4	757.79	1/4	371.23	1/4		1/4																		
1/2	2,297.38	1/2	1,910.42	1/2	1,523.45	1/2	1,136.49	1/2	749.74	1/2	363.17	1/2		1/2																		
3/4	2,289.32	3/4	1,902.35	3/4	1,515.39	3/4	1,128.43	3/4	741.70	3/4	355.11	3/4		3/4																		
7	2,281.25	7	1,894.29	7	1,507.33	7	1,120.37	7	733.65	7	347.04	7		7																		
1/4	2,273.19	1/4	1,886.23	1/4	1,499.27	1/4	1,112.31	1/4	725.60	1/4	338.98	1/4		1/4																		
1/2	2,265.13	1/2	1,878.17	1/2	1,491.21	1/2	1,104.25	1/2	717.56	1/2	330.92	1/2		1/2																		
3/4	2,257.07	3/4	1,870.11	3/4	1,483.15	3/4	1,096.18	3/4	709.51	3/4	322.86	3/4		3/4																		
8	2,249.01	8	1,862.05	8	1,475.08	8	1,088.12	8	701.47	8	314.80	8		8																		
1/4	2,240.95	1/4	1,853.98	1/4	1,467.02	1/4	1,080.06	1/4	693.42	1/4	306.74	1/4		1/4																		
1/2	2,232.88	1/2	1,845.92	1/2	1,458.96	1/2	1,072.00	1/2	685.38	1/2	298.68	1/2		1/2																		
3/4	2,224.82	3/4	1,837.86	3/4	1,450.90	3/4	1,063.94	3/4	677.33	3/4	290.61	3/4		3/4																		
9	2,216.76	9	1,829.80	9	1,442.84	9	1,055.88	9	669.29	9	282.55	9		9																		
1/4	2,208.70	1/4	1,821.74	1/4	1,434.78	1/4	1,047.81	1/4	661.24	1/4	274.49	1/4		1/4																		
1/2	2,200.64	1/2	1,813.67	1/2	1,426.71	1/2	1,039.75	1/2	653.20	1/2	266.43	1/2		1/2																		
3/4	2,192.57	3/4	1,805.61	3/4	1,418.65	3/4	1,031.69	3/4	645.15	3/4	258.37	3/4		3/4																		
10	2,184.51	10	1,797.55	10	1,410.59	10	1,023.63	10	637.11	10	250.31	10		10																		
1/4	2,176.45	1/4	1,789.49	1/4	1,402.53	1/4	1,015.57	1/4	629.06	1/4	242.25	1/4		1/4																		
1/2	2,168.39	1/2	1,781.43	1/2	1,394.47	1/2	1,007.50	1/2	621.02	1/2	234.18	1/2		1/2																		
3/4	2,160.33	3/4	1,773.37	3/4	1,386.40	3/4	999.44	3/4	612.97	3/4	226.12	3/4		3/4																		
11	2,152.27	11	1,765.30	11	1,378.34	11	991.38	11	604.92	11	218.06	11		11																		
1/4	2,144.20	1/4	1,757.24	1/4	1,370.28	1/4	983.32	1/4	596.88	1/4	210.00	1/4		1/4																		
1/2	2,136.14	1/2	1,749.18	1/2	1,362.22	1/2	975.26	1/2	588.83	1/2	201.94	1/2		1/2																		
3/4	2,128.08	3/4	1,741.12	3/4	1,354.16	3/4	967.20	3/4	580.78	3/4	193.88	3/4		3/4																		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL
RECALCULATED: 05/20/2020 CL
REPRINTED: 05/20/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 31005B"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	0	0	5,112.65	0	4,781.90	0	4,431.08	0	4,062.03	0	3,677.09	0	3,288.46	0	2,899.83		
1/4		1/4		1/4		1/4	5,105.07	1/4	4,774.76	1/4	4,423.55	1/4	4,054.16	1/4	3,668.99	1/4	3,280.36	1/4	2,891.73		
1/2		1/2		1/2		1/2	5,097.49	1/2	4,767.62	1/2	4,416.02	1/2	4,046.28	1/2	3,660.90	1/2	3,272.27	1/2	2,883.63		
3/4		3/4		3/4		3/4	5,089.91	3/4	4,760.48	3/4	4,408.50	3/4	4,038.41	3/4	3,652.80	3/4	3,264.17	3/4	2,875.54		
1	1	1	1	1	1	1	5,082.33	1	4,753.32	1	4,400.94	1	4,030.51	1	3,644.71	1	3,256.07	1	2,867.44		
1/4		1/4		1/4		1/4	5,074.75	1/4	4,746.16	1/4	4,393.38	1/4	4,022.61	1/4	3,636.61	1/4	3,247.98	1/4	2,859.34		
1/2		1/2		1/2		1/2	5,067.17	1/2	4,739.00	1/2	4,385.83	1/2	4,014.71	1/2	3,628.51	1/2	3,239.88	1/2	2,851.25		
3/4		3/4		3/4		3/4	5,059.59	3/4	4,731.83	3/4	4,378.27	3/4	4,006.80	3/4	3,620.42	3/4	3,231.78	3/4	2,843.15		
2	2	2	2	2	2	2	5,052.90	2	4,724.65	2	4,370.69	2	3,998.87	2	3,612.32	2	3,223.69	2	2,835.06		
1/4		1/4		1/4		1/4	5,046.22	1/4	4,717.46	1/4	4,363.10	1/4	3,990.94	1/4	3,604.22	1/4	3,215.59	1/4	2,826.96		
1/2		1/2		1/2		1/2	5,039.54	1/2	4,710.27	1/2	4,355.52	1/2	3,983.01	1/2	3,596.13	1/2	3,207.49	1/2	2,818.86		
3/4		3/4		3/4		3/4	5,032.85	3/4	4,703.08	3/4	4,347.93	3/4	3,975.08	3/4	3,588.03	3/4	3,199.40	3/4	2,810.77		
3	3	3	3	3	3	3	5,026.45	3	4,695.87	3	4,340.32	3	3,967.12	3	3,579.93	3	3,191.30	3	2,802.67		
1/4		1/4		1/4		1/4	5,020.04	1/4	4,688.65	1/4	4,332.70	1/4	3,959.16	1/4	3,571.84	1/4	3,183.20	1/4	2,794.57		
1/2		1/2		1/2		1/2	5,013.63	1/2	4,681.43	1/2	4,325.09	1/2	3,951.20	1/2	3,563.74	1/2	3,175.11	1/2	2,786.48		
3/4		3/4		3/4		3/4	5,007.23	3/4	4,674.22	3/4	4,317.47	3/4	3,943.24	3/4	3,555.64	3/4	3,167.01	3/4	2,778.38		
4	4	4	4	4	4	4	5,000.79	4	4,666.97	4	4,309.83	4	3,935.25	4	3,547.55	4	3,158.92	4	2,770.28		
1/4		1/4		1/4		1/4	4,994.36	1/4	4,659.73	1/4	4,302.19	1/4	3,927.26	1/4	3,539.45	1/4	3,150.82	1/4	2,762.19		
1/2		1/2		1/2		1/2	4,987.92	1/2	4,652.48	1/2	4,294.55	1/2	3,919.28	1/2	3,531.35	1/2	3,142.72	1/2	2,754.09		
3/4		3/4		3/4		3/4	4,981.49	3/4	4,645.24	3/4	4,286.90	3/4	3,911.29	3/4	3,523.26	3/4	3,134.63	3/4	2,745.99		
5	5	5	5	5	5	5	4,975.02	5	4,637.96	5	4,279.24	5	3,903.27	5	3,515.16	5	3,126.53	5	2,737.90		
1/4		1/4		1/4		1/4	4,968.56	1/4	4,630.69	1/4	4,271.58	1/4	3,895.25	1/4	3,507.06	1/4	3,118.43	1/4	2,729.80		
1/2		1/2		1/2		1/2	4,962.10	1/2	4,623.42	1/2	4,263.91	1/2	3,887.24	1/2	3,498.97	1/2	3,110.34	1/2	2,721.70		
3/4		3/4		3/4		3/4	4,955.63	3/4	4,616.14	3/4	4,256.25	3/4	3,879.22	3/4	3,490.87	3/4	3,102.24	3/4	2,713.61		
6	6	6	6	6	6	6	4,949.14	6	4,608.83	6	4,248.56	6	3,871.17	6	3,482.78	6	3,094.14	6	2,705.51		
1/4		1/4		1/4		1/4	4,942.65	1/4	4,601.52	1/4	4,240.87	1/4	3,863.13	1/4	3,474.68	1/4	3,086.05	1/4	2,697.41		
1/2		1/2		1/2		1/2	4,936.15	1/2	4,594.21	1/2	4,233.18	1/2	3,855.08	1/2	3,466.58	1/2	3,077.95	1/2	2,689.32		
3/4		3/4		3/4	5,260.38	3/4	4,929.66	3/4	4,586.90	3/4	4,225.49	3/4	3,847.03	3/4	3,458.49	3/4	3,069.85	3/4	2,681.22		
7	7	7	7	7	7	7	5,255.29	7	4,922.78	7	4,579.55	7	4,217.78	7	3,838.96	7	3,450.39	7	3,061.76	7	2,673.13
1/4		1/4		1/4	5,250.20	1/4	4,915.90	1/4	4,572.21	1/4	4,210.06	1/4	3,830.88	1/4	3,442.29	1/4	3,053.66	1/4	2,665.03		
1/2		1/2		1/2	5,245.11	1/2	4,909.03	1/2	4,564.87	1/2	4,202.34	1/2	3,822.81	1/2	3,434.20	1/2	3,045.56	1/2	2,656.93		
3/4		3/4		3/4	5,240.02	3/4	4,902.15	3/4	4,557.53	3/4	4,194.62	3/4	3,814.73	3/4	3,426.10	3/4	3,037.47	3/4	2,648.84		
8	8	8	8	8	8	8	5,232.91	8	4,895.12	8	4,550.15	8	4,186.88	8	3,806.64	8	3,418.00	8	3,029.37	8	2,640.74
1/4		1/4		1/4	5,225.79	1/4	4,888.10	1/4	4,542.78	1/4	4,179.13	1/4	3,798.54	1/4	3,409.91	1/4	3,021.27	1/4	2,632.64		
1/2		1/2		1/2	5,218.68	1/2	4,881.07	1/2	4,535.41	1/2	4,171.38	1/2	3,790.44	1/2	3,401.81	1/2	3,013.18	1/2	2,624.55		
3/4		3/4		3/4	5,211.56	3/4	4,874.05	3/4	4,528.04	3/4	4,163.64	3/4	3,782.35	3/4	3,393.71	3/4	3,005.08	3/4	2,616.45		
9	9	9	9	9	9	9	5,203.94	9	4,866.99	9	4,520.64	9	4,155.86	9	3,774.25	9	3,385.62	9	2,996.99	9	2,608.35
1/4		1/4		1/4	5,196.32	1/4	4,859.94	1/4	4,513.24	1/4	4,148.08	1/4	3,766.15	1/4	3,377.52	1/4	2,988.89	1/4	2,600.26		
1/2		1/2		1/2	5,188.70	1/2	4,852.88	1/2	4,505.84	1/2	4,140.31	1/2	3,758.06	1/2	3,369.42	1/2	2,980.79	1/2	2,592.16		
3/4		3/4		3/4	5,181.08	3/4	4,845.83	3/4	4,498.44	3/4	4,132.53	3/4	3,749.96	3/4	3,361.33	3/4	2,972.70	3/4	2,584.06		
10	10	10	10	10	10	10	5,173.46	10	4,838.74	10	4,490.98	10	4,124.72	10	3,741.86	10	3,353.23	10	2,964.60	10	2,575.97
1/4		1/4		1/4	5,165.84	1/4	4,831.66	1/4	4,483.52	1/4	4,116.91	1/4	3,733.77	1/4	3,345.13	1/4	2,956.50	1/4	2,567.87		
1/2		1/2		1/2	5,158.21	1/2	4,824.58	1/2	4,476.06	1/2	4,109.09	1/2	3,725.67	1/2	3,337.04	1/2	2,948.41	1/2	2,559.77		
3/4		3/4		3/4	5,150.59	3/4	4,817.49	3/4	4,468.60	3/4	4,101.28	3/4	3,717.57	3/4	3,328.94	3/4	2,940.31	3/4	2,551.68		
11	11	11	11	11	11	11	5,143.00	11	4,810.38	11	4,461.10	11	4,093.44	11	3,709.48	11	3,320.85	11	2,932.21	11	2,543.58
1/4		1/4		1/4	5,135.41	1/4	4,803.27	1/4	4,453.60	1/4	4,085.59	1/4	3,701.38	1/4	3,312.75	1/4	2,924.12	1/4	2,535.48		
1/2		1/2		1/2	5,127.82	1/2	4,796.16	1/2	4,446.10	1/2	4,077.75	1/2	3,693.28	1/2	3,304.65	1/2	2,916.02	1/2	2,527.39		
3/4		3/4		3/4	5,120.23	3/4	4,789.04	3/4	4,438.61	3/4	4,069.90	3/4	3,685.19	3/4	3,296.56	3/4	2,907.92	3/4	2,519.29		

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 WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 31005B"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-05 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,511.20	0	2,122.56	0	1,733.93	0	1,345.30	0	956.67	0	580.23	0	194.71	0		0		0	
1/4	2,503.10	1/4	2,114.47	1/4	1,725.83	1/4	1,337.20	1/4	948.57	1/4	572.45	1/4	186.62	1/4		1/4		1/4	
1/2	2,495.00	1/2	2,106.37	1/2	1,717.74	1/2	1,329.11	1/2	940.47	1/2	564.67	1/2	178.52	1/2		1/2		1/2	
3/4	2,486.91	3/4	2,098.27	3/4	1,709.64	3/4	1,321.01	3/4	932.38	3/4	556.89	3/4	170.42	3/4		3/4		3/4	
1	2,478.81	1	2,090.18	1	1,701.55	1	1,312.91	1	924.28	1	549.10	1	162.33	1		1		1	
1/4	2,470.71	1/4	2,082.08	1/4	1,693.45	1/4	1,304.82	1/4	916.18	1/4	541.32	1/4	154.23	1/4		1/4		1/4	
1/2	2,462.62	1/2	2,073.98	1/2	1,685.35	1/2	1,296.72	1/2	908.09	1/2	533.53	1/2	146.14	1/2		1/2		1/2	
3/4	2,454.52	3/4	2,065.89	3/4	1,677.26	3/4	1,288.62	3/4	899.99	3/4	525.74	3/4	138.04	3/4		3/4		3/4	
2	2,446.42	2	2,057.79	2	1,669.16	2	1,280.53	2	892.01	2	517.84	2	129.94	2		2		2	
1/4	2,438.33	1/4	2,049.69	1/4	1,661.06	1/4	1,272.43	1/4	884.03	1/4	509.93	1/4	121.85	1/4		1/4		1/4	
1/2	2,430.23	1/2	2,041.60	1/2	1,652.97	1/2	1,264.33	1/2	876.05	1/2	502.03	1/2	113.75	1/2		1/2		1/2	
3/4	2,422.13	3/4	2,033.50	3/4	1,644.87	3/4	1,256.24	3/4	868.07	3/4	494.12	3/4	105.65	3/4		3/4		3/4	
3	2,414.04	3	2,025.41	3	1,636.77	3	1,248.14	3	860.24	3	486.07	3	97.56	3		3		3	
1/4	2,405.94	1/4	2,017.31	1/4	1,628.68	1/4	1,240.04	1/4	852.42	1/4	478.01	1/4	89.46	1/4		1/4		1/4	
1/2	2,397.84	1/2	2,009.21	1/2	1,620.58	1/2	1,231.95	1/2	844.60	1/2	469.95	1/2	81.37	1/2		1/2		1/2	
3/4	2,389.75	3/4	2,001.12	3/4	1,612.48	3/4	1,223.85	3/4	836.78	3/4	461.89	3/4	73.27	3/4		3/4		3/4	
4	2,381.65	4	1,993.02	4	1,604.39	4	1,215.76	4	829.00	4	453.79	4	65.93	4		4		4	
1/4	2,373.55	1/4	1,984.92	1/4	1,596.29	1/4	1,207.66	1/4	821.23	1/4	445.70	1/4	58.59	1/4		1/4		1/4	
1/2	2,365.46	1/2	1,976.83	1/2	1,588.19	1/2	1,199.56	1/2	813.45	1/2	437.60	1/2	51.26	1/2		1/2		1/2	
3/4	2,357.36	3/4	1,968.73	3/4	1,580.10	3/4	1,191.47	3/4	805.68	3/4	429.50	3/4	43.92	3/4		3/4		3/4	
5	2,349.27	5	1,960.63	5	1,572.00	5	1,183.37	5	797.90	5	421.41	5	38.35	5		5		5	
1/4	2,341.17	1/4	1,952.54	1/4	1,563.90	1/4	1,175.27	1/4	790.13	1/4	413.31	1/4	32.78	1/4		1/4		1/4	
1/2	2,333.07	1/2	1,944.44	1/2	1,555.81	1/2	1,167.18	1/2	782.35	1/2	405.21	1/2	27.22	1/2		1/2		1/2	
3/4	2,324.98	3/4	1,936.34	3/4	1,547.71	3/4	1,159.08	3/4	774.58	3/4	397.12	3/4	21.65	3/4		3/4		3/4	
6	2,316.88	6	1,928.25	6	1,539.62	6	1,150.98	6	766.81	6	389.02	6		6		6		6	
1/4	2,308.78	1/4	1,920.15	1/4	1,531.52	1/4	1,142.89	1/4	759.03	1/4	380.93	1/4		1/4		1/4		1/4	
1/2	2,300.69	1/2	1,912.05	1/2	1,523.42	1/2	1,134.79	1/2	751.26	1/2	372.83	1/2		1/2		1/2		1/2	
3/4	2,292.59	3/4	1,903.96	3/4	1,515.33	3/4	1,126.69	3/4	743.48	3/4	364.73	3/4		3/4		3/4		3/4	
7	2,284.49	7	1,895.86	7	1,507.23	7	1,118.60	7	735.71	7	356.64	7		7		7		7	
1/4	2,276.40	1/4	1,887.76	1/4	1,499.13	1/4	1,110.50	1/4	727.93	1/4	348.54	1/4		1/4		1/4		1/4	
1/2	2,268.30	1/2	1,879.67	1/2	1,491.04	1/2	1,102.40	1/2	720.16	1/2	340.44	1/2		1/2		1/2		1/2	
3/4	2,260.20	3/4	1,871.57	3/4	1,482.94	3/4	1,094.31	3/4	712.39	3/4	332.35	3/4		3/4		3/4		3/4	
8	2,252.11	8	1,863.48	8	1,474.84	8	1,086.21	8	704.61	8	324.25	8		8		8		8	
1/4	2,244.01	1/4	1,855.38	1/4	1,466.75	1/4	1,078.11	1/4	696.84	1/4	316.16	1/4		1/4		1/4		1/4	
1/2	2,235.91	1/2	1,847.28	1/2	1,458.65	1/2	1,070.02	1/2	689.07	1/2	308.06	1/2		1/2		1/2		1/2	
3/4	2,227.82	3/4	1,839.19	3/4	1,450.55	3/4	1,061.92	3/4	681.29	3/4	299.96	3/4		3/4		3/4		3/4	
9	2,219.72	9	1,831.09	9	1,442.46	9	1,053.83	9	673.52	9	291.87	9		9		9		9	
1/4	2,211.62	1/4	1,822.99	1/4	1,434.36	1/4	1,045.73	1/4	665.75	1/4	283.77	1/4		1/4		1/4		1/4	
1/2	2,203.53	1/2	1,814.90	1/2	1,426.26	1/2	1,037.63	1/2	657.97	1/2	275.68	1/2		1/2		1/2		1/2	
3/4	2,195.43	3/4	1,806.80	3/4	1,418.17	3/4	1,029.54	3/4	650.20	3/4	267.58	3/4		3/4		3/4		3/4	
10	2,187.34	10	1,798.70	10	1,410.07	10	1,021.44	10	642.43	10	259.48	10		10		10		10	
1/4	2,179.24	1/4	1,790.61	1/4	1,401.97	1/4	1,013.34	1/4	634.65	1/4	251.39	1/4		1/4		1/4		1/4	
1/2	2,171.14	1/2	1,782.51	1/2	1,393.88	1/2	1,005.25	1/2	626.88	1/2	243.29	1/2		1/2		1/2		1/2	
3/4	2,163.05	3/4	1,774.41	3/4	1,385.78	3/4	997.15	3/4	619.10	3/4	235.19	3/4		3/4		3/4		3/4	
11	2,154.95	11	1,766.32	11	1,377.69	11	989.05	11	611.33	11	227.10	11		11		11		11	
1/4	2,146.85	1/4	1,758.22	1/4	1,369.59	1/4	980.96	1/4	603.56	1/4	219.00	1/4		1/4		1/4		1/4	
1/2	2,138.76	1/2	1,750.12	1/2	1,361.49	1/2	972.86	1/2	595.78	1/2	210.91	1/2		1/2		1/2		1/2	
3/4	2,130.66	3/4	1,742.03	3/4	1,353.40	3/4	964.76	3/4	588.01	3/4	202.81	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL
RECALCULATED: 05/20/2020 CL
REPRINTED: 05/20/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "KIRBY 31005B"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	5,115.48	0	4,785.34	0	4,434.36	0	4,065.25	0	3,680.47	0	3,292.18	0	2,903.89
1/4		1/4		1/4		1/4	5,107.90	1/4	4,778.20	1/4	4,426.84	1/4	4,057.39	1/4	3,672.38	1/4	3,284.09	1/4	2,895.80
1/2		1/2		1/2		1/2	5,100.33	1/2	4,771.06	1/2	4,419.32	1/2	4,049.52	1/2	3,664.29	1/2	3,276.00	1/2	2,887.71
3/4		3/4		3/4		3/4	5,092.75	3/4	4,763.91	3/4	4,411.77	3/4	4,041.63	3/4	3,656.20	3/4	3,267.91	3/4	2,879.62
1	1	1	1	1	1	1	5,085.18	1	4,756.75	1	4,404.21	1	4,033.73	1	3,648.11	1	3,259.82	1	2,871.53
1/4		1/4		1/4		1/4	5,077.60	1/4	4,749.59	1/4	4,396.66	1/4	4,025.84	1/4	3,640.02	1/4	3,251.73	1/4	2,863.44
1/2		1/2		1/2		1/2	5,070.03	1/2	4,742.44	1/2	4,389.11	1/2	4,017.94	1/2	3,631.93	1/2	3,243.64	1/2	2,855.35
3/4		3/4		3/4		3/4	5,063.35	3/4	4,735.25	3/4	4,381.53	3/4	4,010.02	3/4	3,623.84	3/4	3,235.55	3/4	2,847.26
2	2	2	2	2	2	2	5,056.67	2	4,728.07	2	4,373.95	2	4,002.09	2	3,615.75	2	3,227.46	2	2,839.17
1/4		1/4		1/4		1/4	5,049.98	1/4	4,720.89	1/4	4,366.37	1/4	3,994.17	1/4	3,607.66	1/4	3,219.37	1/4	2,831.08
1/2		1/2		1/2		1/2	5,043.30	1/2	4,713.70	1/2	4,358.80	1/2	3,986.24	1/2	3,599.57	1/2	3,211.28	1/2	2,822.99
3/4		3/4		3/4		3/4	5,036.90	3/4	4,706.49	3/4	4,351.19	3/4	3,978.29	3/4	3,591.49	3/4	3,203.19	3/4	2,814.90
3	3	3	3	3	3	3	5,030.50	3	4,699.28	3	4,343.58	3	3,970.34	3	3,583.40	3	3,195.10	3	2,806.81
1/4		1/4		1/4		1/4	5,024.09	1/4	4,692.07	1/4	4,335.97	1/4	3,962.38	1/4	3,575.31	1/4	3,187.02	1/4	2,798.72
1/2		1/2		1/2		1/2	5,017.69	1/2	4,684.86	1/2	4,328.36	1/2	3,954.43	1/2	3,567.22	1/2	3,178.93	1/2	2,790.63
3/4		3/4		3/4		3/4	5,011.25	3/4	4,677.62	3/4	4,320.73	3/4	3,946.45	3/4	3,559.13	3/4	3,170.84	3/4	2,782.55
4	4	4	4	4	4	4	5,004.82	4	4,670.38	4	4,313.09	4	3,938.47	4	3,551.04	4	3,162.75	4	2,774.46
1/4		1/4		1/4		1/4	4,998.39	1/4	4,663.14	1/4	4,305.45	1/4	3,930.49	1/4	3,542.95	1/4	3,154.66	1/4	2,766.37
1/2		1/2		1/2		1/2	4,991.96	1/2	4,655.89	1/2	4,297.82	1/2	3,922.51	1/2	3,534.86	1/2	3,146.57	1/2	2,758.28
3/4		3/4		3/4		3/4	4,985.49	3/4	4,648.63	3/4	4,290.16	3/4	3,914.50	3/4	3,526.77	3/4	3,138.48	3/4	2,750.19
5	5	5	5	5	5	5	4,979.03	5	4,641.36	5	4,282.50	5	3,906.48	5	3,518.68	5	3,130.39	5	2,742.10
1/4		1/4		1/4		1/4	4,972.57	1/4	4,634.09	1/4	4,274.84	1/4	3,898.47	1/4	3,510.59	1/4	3,122.30	1/4	2,734.01
1/2		1/2		1/2		1/2	4,966.11	1/2	4,626.82	1/2	4,267.19	1/2	3,890.46	1/2	3,502.50	1/2	3,114.21	1/2	2,725.92
3/4		3/4		3/4		3/4	4,959.62	3/4	4,619.51	3/4	4,259.50	3/4	3,882.43	3/4	3,494.41	3/4	3,106.12	3/4	2,717.83
6	6	6	6	6	6	6	4,953.13	6	4,612.21	6	4,251.82	6	3,874.39	6	3,486.32	6	3,098.03	6	2,709.74
1/4		1/4		1/4		1/4	4,946.64	1/4	4,604.90	1/4	4,244.14	1/4	3,866.35	1/4	3,478.23	1/4	3,089.94	1/4	2,701.65
1/2		1/2		1/2		1/2	5,270.67	1/2	4,940.15	1/2	4,597.59	1/2	4,236.45	1/2	3,858.31	1/2	3,470.14	1/2	3,081.85
3/4		3/4		3/4		3/4	5,265.58	3/4	4,933.27	3/4	4,590.25	3/4	4,228.74	3/4	3,850.24	3/4	3,462.05	3/4	3,073.76
7	7	7	7	7	7	7	4,926.40	7	4,582.92	7	4,221.03	7	3,842.17	7	3,453.97	7	3,065.67	7	2,677.38
1/4		1/4		1/4		1/4	5,255.41	1/4	4,919.52	1/4	4,575.58	1/4	4,213.32	1/4	3,834.10	1/4	3,445.88	1/4	3,057.58
1/2		1/2		1/2		1/2	5,250.32	1/2	4,912.65	1/2	4,568.24	1/2	4,205.61	1/2	3,826.04	1/2	3,437.79	1/2	3,049.50
3/4		3/4		3/4		3/4	5,243.22	3/4	4,905.63	3/4	4,560.87	3/4	4,197.87	3/4	3,817.96	3/4	3,429.70	3/4	3,041.41
8	8	8	8	8	8	8	5,236.11	8	4,898.61	8	4,553.51	8	4,190.12	8	3,809.88	8	3,421.61	8	3,033.32
1/4		1/4		1/4		1/4	5,229.00	1/4	4,891.58	1/4	4,546.14	1/4	4,182.38	1/4	3,801.80	1/4	3,413.52	1/4	3,025.23
1/2		1/2		1/2		1/2	5,221.89	1/2	4,884.56	1/2	4,538.77	1/2	4,174.64	1/2	3,793.72	1/2	3,405.43	1/2	3,017.14
3/4		3/4		3/4		3/4	5,214.27	3/4	4,877.51	3/4	4,531.38	3/4	4,166.87	3/4	3,785.63	3/4	3,397.34	3/4	3,009.05
9	9	9	9	9	9	9	5,206.66	9	4,870.46	9	4,523.98	9	4,159.10	9	3,777.54	9	3,389.25	9	3,000.96
1/4		1/4		1/4		1/4	5,199.04	1/4	4,863.41	1/4	4,516.59	1/4	4,151.34	1/4	3,769.45	1/4	3,381.16	1/4	2,992.87
1/2		1/2		1/2		1/2	5,191.43	1/2	4,856.36	1/2	4,509.19	1/2	4,143.57	1/2	3,761.36	1/2	3,373.07	1/2	2,984.78
3/4		3/4		3/4		3/4	5,183.81	3/4	4,849.28	3/4	4,501.74	3/4	4,135.76	3/4	3,753.27	3/4	3,364.98	3/4	2,976.69
10	10	10	10	10	10	10	5,176.20	10	4,842.20	10	4,494.28	10	4,127.95	10	3,745.18	10	3,356.89	10	2,968.60
1/4		1/4		1/4		1/4	5,168.58	1/4	4,835.12	1/4	4,486.83	1/4	4,120.15	1/4	3,737.09	1/4	3,348.80	1/4	2,960.51
1/2		1/2		1/2		1/2	5,160.96	1/2	4,828.04	1/2	4,479.38	1/2	4,112.34	1/2	3,729.00	1/2	3,340.71	1/2	2,952.42
3/4		3/4		3/4		3/4	5,153.38	3/4	4,820.94	3/4	4,471.88	3/4	4,104.50	3/4	3,720.92	3/4	3,332.62	3/4	2,944.33
11	11	11	11	11	11	11	5,145.80	11	4,813.83	11	4,464.39	11	4,096.66	11	3,712.83	11	3,324.53	11	2,936.24
1/4		1/4		1/4		1/4	5,138.21	1/4	4,806.72	1/4	4,456.90	1/4	4,088.83	1/4	3,704.74	1/4	3,316.45	1/4	2,928.15
1/2		1/2		1/2		1/2	5,130.63	1/2	4,799.61	1/2	4,449.40	1/2	4,080.99	1/2	3,696.65	1/2	3,308.36	1/2	2,920.06
3/4		3/4		3/4		3/4	5,123.05	3/4	4,792.47	3/4	4,441.88	3/4	4,073.12	3/4	3,688.56	3/4	3,300.27	3/4	2,911.98

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 WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 31005B"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-05 1/2"

10 FT.			11 FT.			12 FT.			13 FT.			14 FT.			15 FT.			16 FT.			17 FT.			18 FT.			19 FT.					
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0	2,515.59		0	2,127.30		0	1,739.01		0	1,350.72		0	962.43		0	574.70		0	186.45		0		0		0		0		0		0	
1/4	2,507.51	1/4	2,119.21	1/4	1,730.92	1/4	1,342.63	1/4	954.34	1/4	566.62	1/4	178.36	1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,499.42	1/2	2,111.12	1/2	1,722.83	1/2	1,334.54	1/2	946.25	1/2	558.54	1/2	170.27	1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,491.33	3/4	2,103.04	3/4	1,714.74	3/4	1,326.45	3/4	938.16	3/4	550.45	3/4	162.18	3/4			3/4			3/4			3/4			3/4			3/4		3/4	
1	2,483.24	1	2,094.95	1	1,706.65	1	1,318.36	1	930.07	1	542.37	1	154.09	1			1			1			1			1			1		1	
1/4	2,475.15	1/4	2,086.86	1/4	1,698.57	1/4	1,310.27	1/4	921.98	1/4	534.28	1/4	146.01	1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,467.06	1/2	2,078.77	1/2	1,690.48	1/2	1,302.18	1/2	913.89	1/2	526.19	1/2	137.92	1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,458.97	3/4	2,070.68	3/4	1,682.39	3/4	1,294.10	3/4	905.80	3/4	518.10	3/4	129.83	3/4			3/4			3/4			3/4			3/4			3/4		3/4	
2	2,450.88	2	2,062.59	2	1,674.30	2	1,286.01	2	897.71	2	510.02	2	121.74	2			2			2			2			2			2		2	
1/4	2,442.79	1/4	2,054.50	1/4	1,666.21	1/4	1,277.92	1/4	889.63	1/4	501.93	1/4	113.65	1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,434.70	1/2	2,046.41	1/2	1,658.12	1/2	1,269.83	1/2	881.54	1/2	493.84	1/2	105.56	1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,426.61	3/4	2,038.32	3/4	1,650.03	3/4	1,261.74	3/4	873.45	3/4	485.75	3/4	97.47	3/4			3/4			3/4			3/4			3/4			3/4		3/4	
3	2,418.52	3	2,030.23	3	1,641.94	3	1,253.65	3	865.37	3	477.66	3	89.38	3			3			3			3			3			3		3	
1/4	2,410.43	1/4	2,022.14	1/4	1,633.85	1/4	1,245.56	1/4	857.29	1/4	469.57	1/4	81.29	1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,402.34	1/2	2,014.05	1/2	1,625.76	1/2	1,237.47	1/2	849.21	1/2	461.48	1/2	73.20	1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,394.25	3/4	2,005.96	3/4	1,617.67	3/4	1,229.38	3/4	841.13	3/4	453.39	3/4	65.87	3/4			3/4			3/4			3/4			3/4			3/4		3/4	
4	2,386.16	4	1,997.87	4	1,609.58	4	1,221.29	4	833.06	4	445.30	4	58.54	4			4			4			4			4			4		4	
1/4	2,378.08	1/4	1,989.78	1/4	1,601.49	1/4	1,213.20	1/4	824.98	1/4	437.21	1/4	51.21	1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,369.99	1/2	1,981.69	1/2	1,593.40	1/2	1,205.11	1/2	816.90	1/2	429.12	1/2	43.88	1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,361.90	3/4	1,973.61	3/4	1,585.31	3/4	1,197.02	3/4	808.83	3/4	421.04	3/4	38.32	3/4			3/4			3/4			3/4			3/4			3/4		3/4	
5	2,353.81	5	1,965.52	5	1,577.22	5	1,188.93	5	800.76	5	412.95	5	32.75	5			5			5			5			5			5		5	
1/4	2,345.72	1/4	1,957.43	1/4	1,569.14	1/4	1,180.84	1/4	792.68	1/4	404.86	1/4	27.19	1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,337.63	1/2	1,949.34	1/2	1,561.05	1/2	1,172.75	1/2	784.61	1/2	396.77	1/2	21.63	1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,329.54	3/4	1,941.25	3/4	1,552.96	3/4	1,164.67	3/4	776.54	3/4	388.68	3/4		3/4			3/4			3/4			3/4			3/4			3/4		3/4	
6	2,321.45	6	1,933.16	6	1,544.87	6	1,156.58	6	768.46	6	380.59	6		6			6			6			6			6			6		6	
1/4	2,313.36	1/4	1,925.07	1/4	1,536.78	1/4	1,148.49	1/4	760.39	1/4	372.50	1/4		1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,305.27	1/2	1,916.98	1/2	1,528.69	1/2	1,140.40	1/2	752.32	1/2	364.41	1/2		1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,297.18	3/4	1,908.89	3/4	1,520.60	3/4	1,132.31	3/4	744.24	3/4	356.32	3/4		3/4			3/4			3/4			3/4			3/4			3/4		3/4	
7	2,289.09	7	1,900.80	7	1,512.51	7	1,124.22	7	736.17	7	348.23	7		7			7			7			7			7			7		7	
1/4	2,281.00	1/4	1,892.71	1/4	1,504.42	1/4	1,116.13	1/4	728.10	1/4	340.14	1/4		1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,272.91	1/2	1,884.62	1/2	1,496.33	1/2	1,108.04	1/2	720.02	1/2	332.05	1/2		1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,264.82	3/4	1,876.53	3/4	1,488.24	3/4	1,099.95	3/4	711.95	3/4	323.97	3/4		3/4			3/4			3/4			3/4			3/4			3/4		3/4	
8	2,256.73	8	1,868.44	8	1,480.15	8	1,091.86	8	703.88	8	315.88	8		8			8			8			8			8			8		8	
1/4	2,248.64	1/4	1,860.35	1/4	1,472.06	1/4	1,083.77	1/4	695.80	1/4	307.79	1/4		1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,240.56	1/2	1,852.26	1/2	1,463.97	1/2	1,075.68	1/2	687.73	1/2	299.70	1/2		1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,232.47	3/4	1,844.17	3/4	1,455.88	3/4	1,067.59	3/4	679.66	3/4	291.61	3/4		3/4			3/4			3/4			3/4			3/4			3/4		3/4	
9	2,224.38	9	1,836.09	9	1,447.79	9	1,059.50	9	671.59	9	283.52	9		9			9			9			9			9			9		9	
1/4	2,216.29	1/4	1,828.00	1/4	1,439.70	1/4	1,051.41	1/4	663.51	1/4	275.43	1/4		1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,208.20	1/2	1,819.91	1/2	1,431.62	1/2	1,043.32	1/2	655.44	1/2	267.34	1/2		1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,200.11	3/4	1,811.82	3/4	1,423.53	3/4	1,035.23	3/4	647.37	3/4	259.25	3/4		3/4			3/4			3/4			3/4			3/4			3/4		3/4	
10	2,192.02	10	1,803.73	10	1,415.44	10	1,027.15	10	639.29	10	251.16	10		10			10			10			10			10			10		10	
1/4	2,183.93	1/4	1,795.64	1/4	1,407.35	1/4	1,019.06	1/4	631.22	1/4	243.07	1/4		1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,175.84	1/2	1,787.55	1/2	1,399.26	1/2	1,010.97	1/2	623.15	1/2	234.99	1/2		1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,167.75	3/4	1,779.46	3/4	1,391.17	3/4	1,002.88	3/4	615.07	3/4	226.90	3/4		3/4			3/4			3/4			3/4			3/4			3/4		3/4	
11	2,159.66	11	1,771.37	11	1,383.08	11	994.79	11	607.00	11	218.81	11		11			11			11			11			11			11		11	
1/4	2,151.57	1/4	1,763.28	1/4	1,374.99	1/4	986.70	1/4	598.93	1/4	210.72	1/4		1/4			1/4			1/4			1/4			1/4			1/4		1/4	
1/2	2,143.48	1/2	1,755.19	1/2	1,366.90	1/2	978.61	1/2	590.85	1/2	202.63	1/2		1/2			1/2			1/2			1/2			1/2			1/2		1/2	
3/4	2,135.39	3/4	1,747.10	3/4	1,358.81	3/4	970.52	3/4	582.78	3/4	194.54	3/4		3/4			3/4			3/4			3/4			3/4			3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL
RECALCULATED: 05/20/2020 CL
REPRINTED: 05/20/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "KIRBY 31005B"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.		
0	0	0	0	0	0	0	5,121.20	0	4,777.91	0	4,427.92	0	4,060.28	0	3,675.43	0	3,287.54	0	2,899.45		
1/4		1/4		1/4		1/4	5,113.17	1/4	4,770.79	1/4	4,420.42	1/4	4,052.44	1/4	3,667.34	1/4	3,279.46	1/4	2,891.37		
1/2		1/2		1/2		1/2	5,105.13	1/2	4,763.66	1/2	4,412.93	1/2	4,044.60	1/2	3,659.26	1/2	3,271.39	1/2	2,883.28		
3/4		3/4		3/4		3/4	5,097.10	3/4	4,756.54	3/4	4,405.43	3/4	4,036.76	3/4	3,651.17	3/4	3,263.31	3/4	2,875.19		
1	1	1	1	1	1	1	5,089.06	1	4,749.39	1	4,397.90	1	4,028.86	1	3,643.08	1	3,255.23	1	2,867.10		
1/4		1/4		1/4		1/4	5,081.02	1/4	4,742.24	1/4	4,390.38	1/4	4,020.97	1/4	3,634.99	1/4	3,247.16	1/4	2,859.02		
1/2		1/2		1/2		1/2	5,072.99	1/2	4,735.09	1/2	4,382.85	1/2	4,013.07	1/2	3,626.90	1/2	3,239.08	1/2	2,850.93		
3/4		3/4		3/4		3/4	5,064.95	3/4	4,727.94	3/4	4,375.32	3/4	4,005.18	3/4	3,618.81	3/4	3,231.00	3/4	2,842.84		
2	2	2	2	2	2	2	5,057.81	2	4,720.77	2	4,367.77	2	3,997.24	2	3,610.72	2	3,222.92	2	2,834.76		
1/4		1/4		1/4		1/4	5,050.67	1/4	4,713.60	1/4	4,360.21	1/4	3,989.31	1/4	3,602.63	1/4	3,214.84	1/4	2,826.67		
1/2		1/2		1/2		1/2	5,043.52	1/2	4,706.42	1/2	4,352.66	1/2	3,981.38	1/2	3,594.55	1/2	3,206.75	1/2	2,818.58		
3/4		3/4		3/4		3/4	5,036.38	3/4	4,699.25	3/4	4,345.10	3/4	3,973.44	3/4	3,586.46	3/4	3,198.67	3/4	2,810.50		
3	3	3	3	3	3	3	5,029.51	3	4,692.04	3	4,337.52	3	3,965.48	3	3,578.37	3	3,190.58	3	2,802.41		
1/4		1/4		1/4		1/4	5,022.64	1/4	4,684.84	1/4	4,329.94	1/4	3,957.52	1/4	3,570.28	1/4	3,182.49	1/4	2,794.32		
1/2		1/2		1/2		1/2	5,015.78	1/2	4,677.64	1/2	4,322.35	1/2	3,949.56	1/2	3,562.20	1/2	3,174.41	1/2	2,786.24		
3/4		3/4		3/4		3/4	5,008.91	3/4	4,670.43	3/4	4,314.77	3/4	3,941.60	3/4	3,554.11	3/4	3,166.32	3/4	2,778.15		
4	4	4	4	4	4	4	5,002.02	4	4,663.20	4	4,307.16	4	3,933.61	4	3,546.02	4	3,158.23	4	2,770.05		
1/4		1/4		1/4		1/4	4,995.12	1/4	4,655.97	1/4	4,299.55	1/4	3,925.62	1/4	3,537.94	1/4	3,150.15	1/4	2,761.96		
1/2		1/2		1/2		1/2	4,988.22	1/2	4,648.74	1/2	4,291.93	1/2	3,917.63	1/2	3,529.85	1/2	3,142.06	1/2	2,753.87		
3/4		3/4		3/4		3/4	4,981.33	3/4	4,641.51	3/4	4,284.32	3/4	3,909.64	3/4	3,521.77	3/4	3,133.97	3/4	2,745.77		
5	5	5	5	5	5	5	4,974.40	5	4,634.24	5	4,276.69	5	3,901.62	5	3,513.69	5	3,125.89	5	2,737.68		
1/4		1/4		1/4		1/4	4,967.48	1/4	4,626.98	1/4	4,269.05	1/4	3,893.60	1/4	3,505.61	1/4	3,117.80	1/4	2,729.58		
1/2		1/2		1/2		1/2	4,960.56	1/2	4,619.72	1/2	4,261.42	1/2	3,885.58	1/2	3,497.53	1/2	3,109.71	1/2	2,721.48		
3/4		3/4		3/4		3/4	4,953.63	3/4	4,612.46	3/4	4,253.78	3/4	3,877.56	3/4	3,489.45	3/4	3,101.62	3/4	2,713.39		
6	6	6	6	6	6	6	4,946.68	6	4,605.17	6	4,246.12	6	3,869.51	6	3,481.38	6	3,093.54	6	2,705.29		
1/4		1/4		1/4		1/4	4,939.73	1/4	4,597.87	1/4	4,238.46	1/4	3,861.46	1/4	3,473.30	1/4	3,085.45	1/4	2,697.20		
1/2		1/2		1/2		1/2	4,932.77	1/2	4,590.58	1/2	4,230.80	1/2	3,853.42	1/2	3,465.22	1/2	3,077.36	1/2	2,689.10		
3/4		3/4		3/4	5,278.30	3/4	4,925.82	3/4	4,583.28	3/4	4,223.14	3/4	3,845.37	3/4	3,457.15	3/4	3,069.28	3/4	2,681.00		
7	7	7	7	7	7	7	4,918.84	7	4,575.96	7	4,215.44	7	3,837.29	7	3,449.07	7	3,061.19	7	2,672.91		
1/4		1/4		1/4		1/4	5,267.23	1/4	4,911.86	1/4	4,568.63	1/4	4,207.75	1/4	3,829.21	1/4	3,440.99	1/4	3,053.10	1/4	2,664.81
1/2		1/2		1/2		1/2	5,261.70	1/2	4,904.87	1/2	4,561.30	1/2	4,200.06	1/2	3,821.14	1/2	3,432.92	1/2	3,045.02	1/2	2,656.71
3/4		3/4		3/4		3/4	5,256.16	3/4	4,897.89	3/4	4,553.98	3/4	4,192.37	3/4	3,813.06	3/4	3,424.84	3/4	3,036.93	3/4	2,648.62
8	8	8	8	8	8	8	5,248.60	8	4,889.88	8	4,546.62	8	4,184.66	8	3,804.97	8	3,416.76	8	3,028.84	8	2,640.52
1/4		1/4		1/4		1/4	5,241.04	1/4	4,883.87	1/4	4,539.27	1/4	4,176.94	1/4	3,796.87	1/4	3,408.69	1/4	3,020.76	1/4	2,632.43
1/2		1/2		1/2		1/2	5,233.48	1/2	4,876.86	1/2	4,531.91	1/2	4,169.22	1/2	3,788.78	1/2	3,400.61	1/2	3,012.67	1/2	2,624.33
3/4		3/4		3/4		3/4	5,225.92	3/4	4,869.85	3/4	4,524.56	3/4	4,161.50	3/4	3,780.68	3/4	3,392.53	3/4	3,004.58	3/4	2,616.23
9	9	9	9	9	9	9	5,217.86	9	4,862.81	9	4,517.17	9	4,153.75	9	3,772.58	9	3,384.46	9	2,996.49	9	2,608.14
1/4		1/4		1/4		1/4	5,209.80	1/4	4,855.77	1/4	4,509.79	1/4	4,146.00	1/4	3,764.48	1/4	3,376.38	1/4	2,988.41	1/4	2,600.04
1/2		1/2		1/2		1/2	5,201.73	1/2	4,848.73	1/2	4,502.41	1/2	4,138.26	1/2	3,756.38	1/2	3,368.30	1/2	2,980.32	1/2	2,591.94
3/4		3/4		3/4		3/4	5,193.67	3/4	4,841.69	3/4	4,495.03	3/4	4,130.51	3/4	3,748.28	3/4	3,360.23	3/4	2,972.23	3/4	2,583.85
10	10	10	10	10	10	10	5,185.60	10	4,834.63	10	4,487.59	10	4,122.73	10	3,740.18	10	3,352.15	10	2,964.15	10	2,575.75
1/4		1/4		1/4		1/4	5,177.54	1/4	4,827.56	1/4	4,480.16	1/4	4,114.94	1/4	3,732.09	1/4	3,344.07	1/4	2,956.06	1/4	2,567.66
1/2		1/2		1/2		1/2	5,169.48	1/2	4,820.49	1/2	4,472.73	1/2	4,107.16	1/2	3,723.99	1/2	3,336.00	1/2	2,947.97	1/2	2,559.56
3/4		3/4		3/4		3/4	5,161.41	3/4	4,813.42	3/4	4,465.29	3/4	4,099.38	3/4	3,715.89	3/4	3,327.92	3/4	2,939.89	3/4	2,551.46
11	11	11	11	11	11	11	5,153.37	11	4,806.33	11	4,457.82	11	4,091.57	11	3,707.80	11	3,319.85	11	2,931.80	11	2,543.37
1/4		1/4		1/4		1/4	5,145.33	1/4	4,799.23	1/4	4,450.36	1/4	4,083.75	1/4	3,699.70	1/4	3,311.77	1/4	2,923.71	1/4	2,535.27
1/2		1/2		1/2		1/2	5,137.28	1/2	4,792.13	1/2	4,442.89	1/2	4,075.94	1/2	3,691.61	1/2	3,303.69	1/2	2,915.63	1/2	2,527.17
3/4		3/4		3/4		3/4	5,129.24	3/4	4,785.04	3/4	4,435.42	3/4	4,068.13	3/4	3,683.52	3/4	3,295.62	3/4	2,907.54	3/4	2,519.08

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 WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 31005B"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-05 3/4"

10 FT.			11 FT.			12 FT.			13 FT.			14 FT.			15 FT.			16 FT.			17 FT.			18 FT.			19 FT.					
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0	2,510.98		0	2,122.36		0	1,734.60		0	1,346.39		0	957.93		0	580.55		0	194.76		0		0		0		0		0			
1/4	2,502.89	1/4	2,114.27	1/4	1,726.53	1/4	1,338.30	1/4	949.84	1/4	572.75	1/4	186.66	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,494.79	1/2	2,106.17	1/2	1,718.46	1/2	1,330.20	1/2	941.74	1/2	564.95	1/2	178.57	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,486.69	3/4	2,098.08	3/4	1,710.39	3/4	1,322.11	3/4	933.65	3/4	557.15	3/4	170.47	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				
1	2,478.60	1	2,089.98	1	1,702.31	1	1,314.02	1	925.56	1	549.34	1	162.37	1		1		1		1		1		1		1		1				
1/4	2,470.50	1/4	2,081.88	1/4	1,694.24	1/4	1,305.92	1/4	917.46	1/4	541.53	1/4	154.27	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,462.41	1/2	2,073.79	1/2	1,686.17	1/2	1,297.83	1/2	909.37	1/2	533.72	1/2	146.17	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,454.31	3/4	2,065.69	3/4	1,678.10	3/4	1,289.74	3/4	901.28	3/4	525.91	3/4	138.07	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				
2	2,446.21	2	2,057.60	2	1,670.02	2	1,281.65	2	893.29	2	517.99	2	129.98	2		2		2		2		2		2		2		2				
1/4	2,438.12	1/4	2,049.50	1/4	1,661.95	1/4	1,273.55	1/4	885.30	1/4	510.08	1/4	121.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,430.02	1/2	2,041.40	1/2	1,653.88	1/2	1,265.46	1/2	877.30	1/2	502.16	1/2	113.78	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,421.92	3/4	2,033.31	3/4	1,645.81	3/4	1,257.37	3/4	869.31	3/4	494.25	3/4	105.68	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				
3	2,413.83	3	2,025.23	3	1,637.72	3	1,249.27	3	861.46	3	486.19	3	97.58	3		3		3		3		3		3		3		3				
1/4	2,405.73	1/4	2,017.15	1/4	1,629.63	1/4	1,241.18	1/4	853.61	1/4	478.13	1/4	89.48	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,397.64	1/2	2,009.07	1/2	1,621.54	1/2	1,233.09	1/2	845.76	1/2	470.07	1/2	81.39	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,389.54	3/4	2,000.99	3/4	1,613.45	3/4	1,225.00	3/4	837.91	3/4	462.01	3/4	73.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				
4	2,381.44	4	1,992.92	4	1,605.36	4	1,216.90	4	830.10	4	453.91	4	65.95	4		4		4		4		4		4		4		4				
1/4	2,373.35	1/4	1,984.85	1/4	1,597.27	1/4	1,208.81	1/4	822.29	1/4	445.81	1/4	58.61	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,365.25	1/2	1,976.78	1/2	1,589.18	1/2	1,200.72	1/2	814.48	1/2	437.71	1/2	51.27	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,357.15	3/4	1,968.70	3/4	1,581.08	3/4	1,192.62	3/4	806.67	3/4	429.61	3/4	43.93	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				
5	2,349.06	5	1,960.63	5	1,572.99	5	1,184.53	5	798.87	5	421.51	5	38.36	5		5		5		5		5		5		5		5				
1/4	2,340.96	1/4	1,952.56	1/4	1,564.90	1/4	1,176.44	1/4	791.07	1/4	413.42	1/4	32.79	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,332.87	1/2	1,944.49	1/2	1,556.80	1/2	1,168.34	1/2	783.27	1/2	405.32	1/2	27.22	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,324.77	3/4	1,936.41	3/4	1,548.71	3/4	1,160.25	3/4	775.47	3/4	397.22	3/4	21.66	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				
6	2,316.67	6	1,928.34	6	1,540.62	6	1,152.16	6	767.67	6	389.12	6		6		6		6		6		6		6		6		6				
1/4	2,308.58	1/4	1,920.27	1/4	1,532.53	1/4	1,144.07	1/4	759.88	1/4	381.02	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,300.48	1/2	1,912.20	1/2	1,524.43	1/2	1,135.97	1/2	752.08	1/2	372.92	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,292.39	3/4	1,904.12	3/4	1,516.34	3/4	1,127.88	3/4	744.28	3/4	364.83	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				
7	2,284.29	7	1,896.05	7	1,508.25	7	1,119.79	7	736.49	7	356.73	7		7		7		7		7		7		7		7		7				
1/4	2,276.19	1/4	1,887.98	1/4	1,500.15	1/4	1,111.69	1/4	728.69	1/4	348.63	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,268.10	1/2	1,879.91	1/2	1,492.06	1/2	1,103.60	1/2	720.89	1/2	340.53	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,260.00	3/4	1,871.83	3/4	1,483.97	3/4	1,095.51	3/4	713.10	3/4	332.43	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				
8	2,251.90	8	1,863.76	8	1,475.87	8	1,087.42	8	705.30	8	324.34	8		8		8		8		8		8		8		8		8				
1/4	2,243.81	1/4	1,855.69	1/4	1,467.78	1/4	1,079.32	1/4	697.50	1/4	316.24	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,235.71	1/2	1,847.62	1/2	1,459.69	1/2	1,071.23	1/2	689.71	1/2	308.14	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,227.62	3/4	1,839.54	3/4	1,451.60	3/4	1,063.14	3/4	681.91	3/4	300.04	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				
9	2,219.52	9	1,831.47	9	1,443.50	9	1,055.04	9	674.12	9	291.94	9		9		9		9		9		9		9		9		9				
1/4	2,211.42	1/4	1,823.40	1/4	1,435.41	1/4	1,046.95	1/4	666.32	1/4	283.84	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,203.33	1/2	1,815.33	1/2	1,427.32	1/2	1,038.86	1/2	658.52	1/2	275.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,195.23	3/4	1,807.26	3/4	1,419.22	3/4	1,030.77	3/4	650.73	3/4	267.65	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				
10	2,187.13	10	1,799.18	10	1,411.13	10	1,022.67	10	642.93	10	259.55	10		10		10		10		10		10		10		10		10				
1/4	2,179.04	1/4	1,791.11	1/4	1,403.04	1/4	1,014.58	1/4	635.14	1/4	251.45	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,170.94	1/2	1,783.04	1/2	1,394.95	1/2	1,006.49	1/2	627.34	1/2	243.35	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,162.85	3/4	1,774.97	3/4	1,386.85	3/4	998.39	3/4	619.54	3/4	235.25	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				
11	2,154.75	11	1,766.89	11	1,378.76	11	990.30	11	611.75	11	227.16	11		11		11		11		11		11		11		11		11				
1/4	2,146.65	1/4	1,758.82	1/4	1,370.67	1/4	982.21	1/4	603.95	1/4	219.06	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4				
1/2	2,138.56	1/2	1,750.75	1/2	1,362.57	1/2	974.12	1/2	596.15	1/2	210.96	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2				
3/4	2,130.46	3/4	1,742.68	3/4	1,354.48	3/4	966.02	3/4	588.36	3/4	202.86	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL
RECALCULATED: 05/20/2020 CL
REPRINTED: 05/20/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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



BARGE "KIRBY 31005B"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	0	0	5,145.80	0	4,797.52	0	4,445.12	0	4,076.12	0	3,691.25	0	3,302.64	0	2,914.29
1/4		1/4		1/4		1/4	5,137.70	1/4	4,790.36	1/4	4,437.61	1/4	4,068.27	1/4	3,683.14	1/4	3,294.54	1/4	2,906.20
1/2		1/2		1/2		1/2	5,129.59	1/2	4,783.17	1/2	4,430.07	1/2	4,060.38	1/2	3,675.04	1/2	3,286.45	1/2	2,898.11
3/4		3/4		3/4		3/4	5,121.49	3/4	4,775.98	3/4	4,422.54	3/4	4,052.50	3/4	3,666.93	3/4	3,278.36	3/4	2,890.01
1	1	1	1	1	1	1	5,113.38	1	4,768.79	1	4,415.00	1	4,044.62	1	3,658.83	1	3,270.27	1	2,881.92
1/4		1/4		1/4		1/4	5,105.28	1/4	4,761.60	1/4	4,407.47	1/4	4,036.74	1/4	3,650.72	1/4	3,262.18	1/4	2,873.83
1/2		1/2		1/2		1/2	5,097.17	1/2	4,754.38	1/2	4,399.90	1/2	4,028.83	1/2	3,642.62	1/2	3,254.09	1/2	2,865.74
3/4		3/4		3/4		3/4	5,089.07	3/4	4,747.16	3/4	4,392.34	3/4	4,020.92	3/4	3,634.51	3/4	3,246.00	3/4	2,857.65
2	2	2	2	2	2	2	5,080.96	2	4,739.94	2	4,384.77	2	4,013.00	2	3,626.41	2	3,237.91	2	2,849.56
1/4		1/4		1/4		1/4	5,072.86	1/4	4,732.72	1/4	4,377.21	1/4	4,005.09	1/4	3,618.30	1/4	3,229.82	1/4	2,841.47
1/2		1/2		1/2		1/2	5,065.65	1/2	4,725.47	1/2	4,369.61	1/2	3,997.15	1/2	3,610.19	1/2	3,221.73	1/2	2,833.38
3/4		3/4		3/4		3/4	5,058.44	3/4	4,718.22	3/4	4,362.02	3/4	3,989.21	3/4	3,602.09	3/4	3,213.64	3/4	2,825.29
3	3	3	3	3	3	3	5,051.23	3	4,710.97	3	4,354.42	3	3,981.28	3	3,593.98	3	3,205.55	3	2,817.20
1/4		1/4		1/4		1/4	5,044.02	1/4	4,703.73	1/4	4,346.83	1/4	3,973.34	1/4	3,585.88	1/4	3,197.46	1/4	2,809.11
1/2		1/2		1/2		1/2	5,037.09	1/2	4,696.45	1/2	4,339.21	1/2	3,965.37	1/2	3,577.78	1/2	3,189.37	1/2	2,801.02
3/4		3/4		3/4		3/4	5,030.16	3/4	4,689.17	3/4	4,331.59	3/4	3,957.40	3/4	3,569.69	3/4	3,181.28	3/4	2,792.93
4	4	4	4	4	4	4	5,023.23	4	4,681.90	4	4,323.96	4	3,949.43	4	3,561.59	4	3,173.19	4	2,784.84
1/4		1/4		1/4		1/4	5,016.30	1/4	4,674.62	1/4	4,316.34	1/4	3,941.46	1/4	3,553.49	1/4	3,165.10	1/4	2,776.75
1/2		1/2		1/2		1/2	5,009.34	1/2	4,667.31	1/2	4,308.69	1/2	3,933.46	1/2	3,545.40	1/2	3,157.00	1/2	2,768.66
3/4		3/4		3/4		3/4	5,002.38	3/4	4,660.01	3/4	4,301.04	3/4	3,925.47	3/4	3,537.30	3/4	3,148.91	3/4	2,760.57
5	5	5	5	5	5	5	4,995.42	5	4,652.70	5	4,293.39	5	3,917.47	5	3,529.21	5	3,140.82	5	2,752.47
1/4		1/4		1/4		1/4	4,988.46	1/4	4,645.40	1/4	4,285.73	1/4	3,909.47	1/4	3,521.12	1/4	3,132.73	1/4	2,744.38
1/2		1/2		1/2		1/2	4,981.47	1/2	4,638.06	1/2	4,278.05	1/2	3,901.45	1/2	3,513.02	1/2	3,124.64	1/2	2,736.30
3/4		3/4		3/4		3/4	4,974.48	3/4	4,630.73	3/4	4,270.37	3/4	3,893.42	3/4	3,504.93	3/4	3,116.55	3/4	2,728.22
6	6	6	6	6	6	6	4,967.49	6	4,623.39	6	4,262.69	6	3,885.39	6	3,496.84	6	3,108.46	6	2,720.14
1/4		1/4		1/4		1/4	4,960.50	1/4	4,616.06	1/4	4,255.01	1/4	3,877.37	1/4	3,488.74	1/4	3,100.37	1/4	2,712.06
1/2		1/2		1/2		1/2	4,953.49	1/2	4,608.70	1/2	4,247.30	1/2	3,869.31	1/2	3,480.65	1/2	3,092.28	1/2	2,703.98
3/4		3/4		3/4		3/4	4,946.47	3/4	4,601.33	3/4	4,239.59	3/4	3,861.26	3/4	3,472.56	3/4	3,084.19	3/4	2,695.91
7	7	7	7	7	7	7	4,939.45	7	4,593.97	7	4,231.89	7	3,853.20	7	3,464.46	7	3,076.10	7	2,687.83
1/4		1/4		1/4	5,287.65	1/4	4,932.44	1/4	4,586.61	1/4	4,224.18	1/4	3,845.15	1/4	3,456.37	1/4	3,068.01	1/4	2,679.75
1/2		1/2		1/2	5,282.07	1/2	4,925.39	1/2	4,579.21	1/2	4,216.44	1/2	3,837.06	1/2	3,448.27	1/2	3,059.92	1/2	2,671.68
3/4		3/4		3/4	5,276.50	3/4	4,918.34	3/4	4,571.82	3/4	4,208.70	3/4	3,828.98	3/4	3,440.18	3/4	3,051.83	3/4	2,663.60
8	8	8	8	8	5,270.93	8	4,911.30	8	4,564.43	8	4,200.96	8	3,820.90	8	3,432.09	8	3,043.74	8	2,655.52
1/4		1/4		1/4	5,265.36	1/4	4,904.25	1/4	4,557.04	1/4	4,193.23	1/4	3,812.81	1/4	3,423.99	1/4	3,035.65	1/4	2,647.45
1/2		1/2		1/2	5,257.76	1/2	4,897.18	1/2	4,549.62	1/2	4,185.46	1/2	3,804.71	1/2	3,415.90	1/2	3,027.55	1/2	2,639.37
3/4		3/4		3/4	5,250.16	3/4	4,890.10	3/4	4,542.20	3/4	4,177.69	3/4	3,796.61	3/4	3,407.81	3/4	3,019.46	3/4	2,631.29
9	9	9	9	9	5,242.56	9	4,883.02	9	4,534.77	9	4,169.92	9	3,788.51	9	3,399.72	9	3,011.37	9	2,623.22
1/4		1/4		1/4	5,234.96	1/4	4,875.95	1/4	4,527.35	1/4	4,162.16	1/4	3,780.41	1/4	3,391.63	1/4	3,003.28	1/4	2,615.14
1/2		1/2		1/2	5,226.86	1/2	4,868.85	1/2	4,519.90	1/2	4,154.36	1/2	3,772.30	1/2	3,383.54	1/2	2,995.19	1/2	2,607.06
3/4		3/4		3/4	5,218.75	3/4	4,861.74	3/4	4,512.45	3/4	4,146.57	3/4	3,764.20	3/4	3,375.45	3/4	2,987.10	3/4	2,598.98
10	10	10	10	10	5,210.65	10	4,854.64	10	4,505.00	10	4,138.77	10	3,756.09	10	3,367.36	10	2,979.01	10	2,590.91
1/4		1/4		1/4	5,202.54	1/4	4,847.53	1/4	4,497.55	1/4	4,130.98	1/4	3,747.99	1/4	3,359.27	1/4	2,970.92	1/4	2,582.83
1/2		1/2		1/2	5,194.44	1/2	4,840.40	1/2	4,490.08	1/2	4,123.15	1/2	3,739.88	1/2	3,351.18	1/2	2,962.83	1/2	2,574.75
3/4		3/4		3/4	5,186.33	3/4	4,833.27	3/4	4,482.60	3/4	4,115.33	3/4	3,731.78	3/4	3,343.09	3/4	2,954.74	3/4	2,566.68
11	11	11	11	11	5,178.23	11	4,826.14	11	4,475.12	11	4,107.50	11	3,723.67	11	3,335.00	11	2,946.65	11	2,558.60
1/4		1/4		1/4	5,170.12	1/4	4,819.00	1/4	4,467.64	1/4	4,099.68	1/4	3,715.56	1/4	3,326.91	1/4	2,938.56	1/4	2,550.52
1/2		1/2		1/2	5,162.02	1/2	4,811.84	1/2	4,460.13	1/2	4,091.83	1/2	3,707.46	1/2	3,318.82	1/2	2,930.47	1/2	2,542.45
3/4		3/4		3/4	5,153.91	3/4	4,804.68	3/4	4,452.63	3/4	4,083.97	3/4	3,699.35	3/4	3,310.73	3/4	2,922.38	3/4	2,534.37

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 WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-03" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 31005B"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CTCo 356B"

GAUGE HEIGHT 16'-06 1/4"

10 FT.			11 FT.			12 FT.			13 FT.			14 FT.			15 FT.			16 FT.			17 FT.			18 FT.			19 FT.					
IN			IN			IN			IN			IN			IN			IN			IN			IN			IN			IN		
0	2,526.29	0	2,137.90	0	1,750.67	0	1,363.67	0	975.17	0	596.28	0	210.90	0		0																
1/4	2,518.22	1/4	2,129.81	1/4	1,742.63	1/4	1,355.57	1/4	967.08	1/4	588.46	1/4	202.80	1/4		1/4																
1/2	2,510.14	1/2	2,121.72	1/2	1,734.60	1/2	1,347.48	1/2	958.99	1/2	580.63	1/2	194.71	1/2		1/2																
3/4	2,502.06	3/4	2,113.62	3/4	1,726.56	3/4	1,339.39	3/4	950.89	3/4	572.80	3/4	186.62	3/4		3/4																
1	2,493.98	1	2,105.53	1	1,718.52	1	1,331.29	1	942.80	1	564.96	1	178.52	1		1																
1/4	2,485.91	1/4	2,097.43	1/4	1,710.49	1/4	1,323.20	1/4	934.71	1/4	557.13	1/4	170.43	1/4		1/4																
1/2	2,477.82	1/2	2,089.34	1/2	1,702.45	1/2	1,315.11	1/2	926.61	1/2	549.30	1/2	162.34	1/2		1/2																
3/4	2,469.73	3/4	2,081.25	3/4	1,694.41	3/4	1,307.01	3/4	918.52	3/4	541.46	3/4	154.24	3/4		3/4																
2	2,461.64	2	2,073.15	2	1,686.38	2	1,298.92	2	910.43	2	533.62	2	146.15	2		2																
1/4	2,453.55	1/4	2,065.06	1/4	1,678.34	1/4	1,290.82	1/4	902.33	1/4	525.78	1/4	138.06	1/4		1/4																
1/2	2,445.46	1/2	2,056.97	1/2	1,670.30	1/2	1,282.73	1/2	894.33	1/2	517.84	1/2	129.96	1/2		1/2																
3/4	2,437.37	3/4	2,048.87	3/4	1,662.27	3/4	1,274.64	3/4	886.33	3/4	509.91	3/4	121.87	3/4		3/4																
3	2,429.27	3	2,040.78	3	1,654.23	3	1,266.54	3	878.33	3	501.97	3	113.78	3		3																
1/4	2,421.18	1/4	2,032.69	1/4	1,646.20	1/4	1,258.45	1/4	870.34	1/4	494.04	1/4	105.68	1/4		1/4																
1/2	2,413.09	1/2	2,024.59	1/2	1,638.16	1/2	1,250.36	1/2	862.47	1/2	485.97	1/2	97.59	1/2		1/2																
3/4	2,404.99	3/4	2,016.50	3/4	1,630.12	3/4	1,242.26	3/4	854.60	3/4	477.91	3/4	89.50	3/4		3/4																
4	2,396.90	4	2,008.41	4	1,622.09	4	1,234.17	4	846.74	4	469.85	4	81.40	4		4																
1/4	2,388.80	1/4	2,000.31	1/4	1,614.05	1/4	1,226.08	1/4	838.87	1/4	461.79	1/4	73.31	1/4		1/4																
1/2	2,380.71	1/2	1,992.22	1/2	1,606.01	1/2	1,217.98	1/2	831.04	1/2	453.70	1/2	65.98	1/2		1/2																
3/4	2,372.62	3/4	1,984.12	3/4	1,597.98	3/4	1,209.89	3/4	823.22	3/4	445.60	3/4	58.64	3/4		3/4																
5	2,364.52	5	1,976.03	5	1,589.94	5	1,201.79	5	815.39	5	437.51	5	51.31	5		5																
1/4	2,356.43	1/4	1,967.94	1/4	1,581.90	1/4	1,193.70	1/4	807.56	1/4	429.42	1/4	43.97	1/4		1/4																
1/2	2,348.34	1/2	1,959.84	1/2	1,573.87	1/2	1,185.61	1/2	799.74	1/2	421.32	1/2	38.40	1/2		1/2																
3/4	2,340.24	3/4	1,951.75	3/4	1,565.83	3/4	1,177.51	3/4	791.91	3/4	413.23	3/4	32.83	3/4		3/4																
6	2,332.15	6	1,943.66	6	1,557.80	6	1,169.42	6	784.09	6	405.14	6	27.26	6		6																
1/4	2,324.06	1/4	1,935.56	1/4	1,549.76	1/4	1,161.33	1/4	776.26	1/4	397.04	1/4	21.69	1/4		1/4																
1/2	2,315.96	1/2	1,927.51	1/2	1,541.68	1/2	1,153.23	1/2	768.43	1/2	388.95	1/2		1/2		1/2																
3/4	2,307.87	3/4	1,919.46	3/4	1,533.60	3/4	1,145.14	3/4	760.61	3/4	380.86	3/4		3/4		3/4																
7	2,299.77	7	1,911.41	7	1,525.52	7	1,137.05	7	752.78	7	372.76	7		7		7																
1/4	2,291.68	1/4	1,903.36	1/4	1,517.45	1/4	1,128.95	1/4	744.96	1/4	364.67	1/4		1/4		1/4																
1/2	2,283.59	1/2	1,895.32	1/2	1,509.35	1/2	1,120.86	1/2	737.13	1/2	356.58	1/2		1/2		1/2																
3/4	2,275.49	3/4	1,887.29	3/4	1,501.26	3/4	1,112.77	3/4	729.31	3/4	348.48	3/4		3/4		3/4																
8	2,267.40	8	1,879.25	8	1,493.16	8	1,104.67	8	721.48	8	340.39	8		8		8																
1/4	2,259.31	1/4	1,871.21	1/4	1,485.07	1/4	1,096.58	1/4	713.66	1/4	332.30	1/4		1/4		1/4																
1/2	2,251.21	1/2	1,863.18	1/2	1,476.98	1/2	1,088.48	1/2	705.83	1/2	324.20	1/2		1/2		1/2																
3/4	2,243.12	3/4	1,855.14	3/4	1,468.88	3/4	1,080.39	3/4	698.01	3/4	316.11	3/4		3/4		3/4																
9	2,235.03	9	1,847.11	9	1,460.79	9	1,072.30	9	690.18	9	308.02	9		9		9																
1/4	2,226.93	1/4	1,839.07	1/4	1,452.70	1/4	1,064.20	1/4	682.36	1/4	299.92	1/4		1/4		1/4																
1/2	2,218.84	1/2	1,831.03	1/2	1,444.60	1/2	1,056.11	1/2	674.53	1/2	291.83	1/2		1/2		1/2																
3/4	2,210.75	3/4	1,823.00	3/4	1,436.51	3/4	1,048.02	3/4	666.71	3/4	283.74	3/4		3/4		3/4																
10	2,202.65	10	1,814.96	10	1,428.42	10	1,039.92	10	658.88	10	275.64	10		10		10																
1/4	2,194.56	1/4	1,806.92	1/4	1,420.32	1/4	1,031.83	1/4	651.06	1/4	267.55	1/4		1/4		1/4																
1/2	2,186.46	1/2	1,798.89	1/2	1,412.23	1/2	1,023.74	1/2	643.23	1/2	259.46	1/2		1/2		1/2																
3/4	2,178.37	3/4	1,790.85	3/4	1,404.13	3/4	1,015.64	3/4	635.41	3/4	251.36	3/4		3/4		3/4																
11	2,170.28	11	1,782.81	11	1,396.04	11	1,007.55	11	627.58	11	243.27	11		11		11																
1/4	2,162.18	1/4	1,774.78	1/4	1,387.95	1/4	999.45	1/4	619.76	1/4	235.18	1/4		1/4		1/4																
1/2	2,154.09	1/2	1,766.74	1/2	1,379.85	1/2	991.36	1/2	611.93	1/2	227.08	1/2		1/2		1/2																
3/4	2,146.00	3/4	1,758.71	3/4	1,371.76	3/4	983.27	3/4	604.11	3/4	218.99	3/4		3/4		3/4																

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/11/2015 CL
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REPRINTED: 05/20/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2020

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