



BARGE "NGL 3052"

INNAGE TRIM TABLE
FORMERLY "BKF 302"

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

(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)

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

LENGTH BETWEEN DRAFT MARKS: 237'-03"

February 18, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "NGL 3052"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-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	10.12	0	258.98	0	539.96	0	843.14	0	1,168.24	0	1,498.41	0	1,828.58	0	2,158.70	0	2,488.73	0	2,818.77
1/4	13.44	1/4	264.62	1/4	546.04	1/4	849.72	1/4	1,175.12	1/4	1,505.29	1/4	1,835.46	1/4	2,165.57	1/4	2,495.61	1/4	2,825.65
1/2	16.75	1/2	270.26	1/2	552.13	1/2	856.31	1/2	1,182.00	1/2	1,512.17	1/2	1,842.34	1/2	2,172.45	1/2	2,502.49	1/2	2,832.52
3/4	20.07	3/4	275.90	3/4	558.22	3/4	862.89	3/4	1,188.88	3/4	1,519.05	3/4	1,849.21	3/4	2,179.32	3/4	2,509.36	3/4	2,839.40
1	23.38	1	281.54	1	564.31	1	869.48	1	1,195.76	1	1,525.93	1	1,856.09	1	2,186.20	1	2,516.24	1	2,846.28
1/4	28.02	1/4	287.22	1/4	570.44	1/4	876.10	1/4	1,202.64	1/4	1,532.80	1/4	1,862.97	1/4	2,193.07	1/4	2,523.11	1/4	2,853.15
1/2	32.65	1/2	292.90	1/2	576.57	1/2	882.72	1/2	1,209.51	1/2	1,539.68	1/2	1,869.85	1/2	2,199.95	1/2	2,529.99	1/2	2,860.03
3/4	37.29	3/4	298.57	3/4	582.70	3/4	889.35	3/4	1,216.39	3/4	1,546.56	3/4	1,876.73	3/4	2,206.83	3/4	2,536.86	3/4	2,866.90
2	41.93	2	304.25	2	588.83	2	895.97	2	1,223.27	2	1,553.44	2	1,883.61	2	2,213.70	2	2,543.74	2	2,873.78
1/4	47.18	1/4	309.97	1/4	595.00	1/4	902.63	1/4	1,230.15	1/4	1,560.32	1/4	1,890.49	1/4	2,220.58	1/4	2,550.62	1/4	2,880.65
1/2	52.43	1/2	315.68	1/2	601.17	1/2	909.29	1/2	1,237.03	1/2	1,567.20	1/2	1,897.36	1/2	2,227.45	1/2	2,557.49	1/2	2,887.53
3/4	57.68	3/4	321.40	3/4	607.34	3/4	915.96	3/4	1,243.91	3/4	1,574.07	3/4	1,904.24	3/4	2,234.33	3/4	2,564.37	3/4	2,894.41
3	62.93	3	327.12	3	613.51	3	922.62	3	1,250.79	3	1,580.95	3	1,911.12	3	2,241.20	3	2,571.24	3	2,901.28
1/4	68.22	1/4	332.87	1/4	619.72	1/4	929.32	1/4	1,257.66	1/4	1,587.83	1/4	1,918.00	1/4	2,248.08	1/4	2,578.12	1/4	2,908.16
1/2	73.51	1/2	338.63	1/2	625.92	1/2	936.02	1/2	1,264.54	1/2	1,594.71	1/2	1,924.88	1/2	2,254.96	1/2	2,584.99	1/2	2,915.03
3/4	78.79	3/4	344.39	3/4	632.13	3/4	942.73	3/4	1,271.42	3/4	1,601.59	3/4	1,931.76	3/4	2,261.83	3/4	2,591.87	3/4	2,921.91
4	84.08	4	350.15	4	638.34	4	949.43	4	1,278.30	4	1,608.47	4	1,938.64	4	2,268.71	4	2,598.75	4	2,928.78
1/4	89.41	1/4	355.95	1/4	644.59	1/4	956.17	1/4	1,285.18	1/4	1,615.35	1/4	1,945.51	1/4	2,275.58	1/4	2,605.62	1/4	2,935.66
1/2	94.74	1/2	361.75	1/2	650.84	1/2	962.91	1/2	1,292.06	1/2	1,622.22	1/2	1,952.39	1/2	2,282.46	1/2	2,612.50	1/2	2,942.54
3/4	100.07	3/4	367.55	3/4	657.09	3/4	969.65	3/4	1,298.93	3/4	1,629.10	3/4	1,959.27	3/4	2,289.34	3/4	2,619.37	3/4	2,949.42
5	105.40	5	373.35	5	663.34	5	976.39	5	1,305.81	5	1,635.98	5	1,966.15	5	2,296.21	5	2,626.25	5	2,956.30
1/4	110.76	1/4	379.18	1/4	669.62	1/4	983.17	1/4	1,312.69	1/4	1,642.86	1/4	1,973.03	1/4	2,303.09	1/4	2,633.13	1/4	2,963.17
1/2	116.13	1/2	385.02	1/2	675.91	1/2	989.95	1/2	1,319.57	1/2	1,649.74	1/2	1,979.91	1/2	2,309.96	1/2	2,640.00	1/2	2,970.05
3/4	121.50	3/4	390.86	3/4	682.20	3/4	996.73	3/4	1,326.45	3/4	1,656.62	3/4	1,986.78	3/4	2,316.84	3/4	2,646.88	3/4	2,976.93
6	126.87	6	396.70	6	688.49	6	1,003.51	6	1,333.33	6	1,663.50	6	1,993.66	6	2,323.71	6	2,653.75	6	2,983.80
1/4	132.27	1/4	402.58	1/4	694.82	1/4	1,010.33	1/4	1,340.21	1/4	1,670.37	1/4	2,000.54	1/4	2,330.59	1/4	2,660.63	1/4	2,990.68
1/2	137.68	1/2	408.45	1/2	701.16	1/2	1,017.15	1/2	1,347.08	1/2	1,677.25	1/2	2,007.42	1/2	2,337.47	1/2	2,667.50	1/2	2,997.55
3/4	143.09	3/4	414.33	3/4	707.49	3/4	1,023.97	3/4	1,353.96	3/4	1,684.13	3/4	2,014.30	3/4	2,344.34	3/4	2,674.38	3/4	3,004.43
7	148.49	7	420.21	7	713.82	7	1,030.79	7	1,360.84	7	1,691.01	7	2,021.18	7	2,351.22	7	2,681.26	7	3,011.30
1/4	153.94	1/4	426.13	1/4	720.21	1/4	1,037.65	1/4	1,367.72	1/4	1,697.89	1/4	2,028.05	1/4	2,358.09	1/4	2,688.13	1/4	3,018.18
1/2	159.38	1/2	432.04	1/2	726.59	1/2	1,044.50	1/2	1,374.60	1/2	1,704.77	1/2	2,034.93	1/2	2,364.97	1/2	2,695.01	1/2	3,025.06
3/4	164.83	3/4	437.96	3/4	732.98	3/4	1,051.35	3/4	1,381.48	3/4	1,711.64	3/4	2,041.81	3/4	2,371.85	3/4	2,701.88	3/4	3,031.93
8	170.28	8	443.88	8	739.36	8	1,058.21	8	1,388.36	8	1,718.52	8	2,048.68	8	2,378.72	8	2,708.76	8	3,038.81
1/4	175.76	1/4	449.83	1/4	745.79	1/4	1,065.08	1/4	1,395.23	1/4	1,725.40	1/4	2,055.56	1/4	2,385.60	1/4	2,715.64	1/4	3,045.68
1/2	181.25	1/2	455.79	1/2	752.22	1/2	1,071.95	1/2	1,402.11	1/2	1,732.28	1/2	2,062.43	1/2	2,392.47	1/2	2,722.51	1/2	3,052.56
3/4	186.73	3/4	461.75	3/4	758.64	3/4	1,078.83	3/4	1,408.99	3/4	1,739.16	3/4	2,069.31	3/4	2,399.35	3/4	2,729.39	3/4	3,059.43
9	192.22	9	467.70	9	765.07	9	1,085.70	9	1,415.87	9	1,746.04	9	2,076.19	9	2,406.22	9	2,736.26	9	3,066.31
1/4	197.74	1/4	473.69	1/4	771.54	1/4	1,092.58	1/4	1,422.75	1/4	1,752.92	1/4	2,083.06	1/4	2,413.10	1/4	2,743.14	1/4	3,073.19
1/2	203.27	1/2	479.69	1/2	778.00	1/2	1,099.46	1/2	1,429.63	1/2	1,759.79	1/2	2,089.94	1/2	2,419.98	1/2	2,750.01	1/2	3,080.06
3/4	208.79	3/4	485.68	3/4	784.47	3/4	1,106.34	3/4	1,436.50	3/4	1,766.67	3/4	2,096.81	3/4	2,426.85	3/4	2,756.89	3/4	3,086.94
10	214.31	10	491.67	10	790.94	10	1,113.22	10	1,443.38	10	1,773.55	10	2,103.69	10	2,433.73	10	2,763.77	10	3,093.81
1/4	219.88	1/4	497.69	1/4	797.44	1/4	1,120.09	1/4	1,450.26	1/4	1,780.43	1/4	2,110.56	1/4	2,440.60	1/4	2,770.64	1/4	3,100.69
1/2	225.44	1/2	503.71	1/2	803.95	1/2	1,126.97	1/2	1,457.14	1/2	1,787.31	1/2	2,117.44	1/2	2,447.48	1/2	2,777.52	1/2	3,107.56
3/4	231.01	3/4	509.73	3/4	810.45	3/4	1,133.85	3/4	1,464.02	3/4	1,794.19	3/4	2,124.32	3/4	2,454.35	3/4	2,784.39	3/4	3,114.44
11	236.57	11	515.75	11	816.96	11	1,140.73	11	1,470.90	11	1,801.07	11	2,131.19	11	2,461.23	11	2,791.27	11	3,121.32
1/4	242.17	1/4	521.80	1/4	823.50	1/4	1,147.61	1/4	1,477.78	1/4	1,807.94	1/4	2,138.07	1/4	2,468.11	1/4	2,798.14	1/4	3,128.19
1/2	247.77	1/2	527.85	1/2	830.05	1/2	1,154.49	1/2	1,484.65	1/2	1,814.82	1/2	2,144.94	1/2	2,474.98	1/2	2,805.02	1/2	3,135.07
3/4	253.38	3/4	533.90	3/4	836.59	3/4	1,161.36	3/4	1,491.53	3/4	1,821.70	3/4	2,151.82	3/4	2,481.86	3/4	2,811.90	3/4	3,141.94

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "NGL 3052"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-06 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	3,148.82	0	3,478.85	0	3,807.56	0	4,123.26	0	4,422.56	0		0		0		0		0	
1/4	3,155.69	1/4	3,485.73	1/4	3,814.29	1/4	4,129.64	1/4	4,428.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,162.57	1/2	3,492.60	1/2	3,821.03	1/2	4,136.01	1/2	4,435.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,169.45	3/4	3,499.48	3/4	3,827.76	3/4	4,142.39	3/4	4,441.36	3/4		3/4		3/4		3/4		3/4	
1	3,176.32	1	3,506.36	1	3,834.49	1	4,148.77	1	4,447.62	1		1		1		1		1	
1/4	3,183.20	1/4	3,513.23	1/4	3,841.20	1/4	4,155.13	1/4	4,454.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,190.07	1/2	3,520.11	1/2	3,847.90	1/2	4,161.48	1/2	4,460.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,196.95	3/4	3,526.98	3/4	3,854.61	3/4	4,167.83	3/4	4,467.55	3/4		3/4		3/4		3/4		3/4	
2	3,203.82	2	3,533.86	2	3,861.31	2	4,174.19	2	4,474.20	2		2		2		2		2	
1/4	3,210.70	1/4	3,540.73	1/4	3,867.99	1/4	4,180.51	1/4	4,481.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,217.58	1/2	3,547.61	1/2	3,874.67	1/2	4,186.84	1/2	4,487.87	1/2		1/2		1/2		1/2		1/2	
3/4	3,224.45	3/4	3,554.49	3/4	3,881.35	3/4	4,193.17	3/4	4,494.70	3/4		3/4		3/4		3/4		3/4	
3	3,231.33	3	3,561.36	3	3,888.03	3	4,199.49	3	4,501.54	3		3		3		3		3	
1/4	3,238.20	1/4	3,568.24	1/4	3,894.69	1/4	4,205.79	1/4	4,508.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,245.08	1/2	3,575.11	1/2	3,901.34	1/2	4,212.09	1/2	4,515.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,251.95	3/4	3,581.99	3/4	3,908.00	3/4	4,218.40	3/4	4,521.79	3/4		3/4		3/4		3/4		3/4	
4	3,258.83	4	3,588.86	4	3,914.65	4	4,224.70	4	4,528.54	4		4		4		4		4	
1/4	3,265.71	1/4	3,595.74	1/4	3,921.28	1/4	4,230.97	1/4	4,534.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,272.58	1/2	3,602.62	1/2	3,927.91	1/2	4,237.25	1/2	4,540.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,279.46	3/4	3,609.49	3/4	3,934.53	3/4	4,243.52	3/4	4,546.73	3/4		3/4		3/4		3/4		3/4	
5	3,286.33	5	3,616.37	5	3,941.16	5	4,249.80	5	4,552.79	5		5		5		5		5	
1/4	3,293.21	1/4	3,623.24	1/4	3,947.76	1/4	4,256.04	1/4	4,557.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,300.08	1/2	3,630.12	1/2	3,954.36	1/2	4,262.29	1/2	4,562.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,306.96	3/4	3,636.99	3/4	3,960.97	3/4	4,268.54	3/4	4,567.11	3/4		3/4		3/4		3/4		3/4	
6	3,313.84	6	3,643.87	6	3,967.57	6	4,274.79	6	4,571.88	6		6		6		6		6	
1/4	3,320.71	1/4	3,650.74	1/4	3,974.14	1/4	4,281.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,327.59	1/2	3,657.62	1/2	3,980.72	1/2	4,287.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,334.46	3/4	3,664.49	3/4	3,987.29	3/4	4,293.46	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,341.34	7	3,671.37	7	3,993.87	7	4,299.68	7		7		7		7		7		7	
1/4	3,348.21	1/4	3,678.23	1/4	4,000.42	1/4	4,305.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,355.09	1/2	3,685.08	1/2	4,006.97	1/2	4,312.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,361.97	3/4	3,691.94	3/4	4,013.52	3/4	4,318.27	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,368.84	8	3,698.80	8	4,020.07	8	4,324.47	8		8		8		8		8		8	
1/4	3,375.72	1/4	3,705.64	1/4	4,026.57	1/4	4,330.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,382.59	1/2	3,712.48	1/2	4,033.07	1/2	4,336.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,389.47	3/4	3,719.31	3/4	4,039.58	3/4	4,342.98	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,396.34	9	3,726.15	9	4,046.08	9	4,349.15	9		9		9		9		9		9	
1/4	3,403.22	1/4	3,732.96	1/4	4,052.54	1/4	4,355.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,410.10	1/2	3,739.77	1/2	4,059.00	1/2	4,361.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,416.97	3/4	3,746.58	3/4	4,065.45	3/4	4,367.58	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,423.85	10	3,753.39	10	4,071.91	10	4,373.72	10		10		10		10		10		10	
1/4	3,430.72	1/4	3,760.18	1/4	4,078.34	1/4	4,379.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,437.60	1/2	3,766.96	1/2	4,084.77	1/2	4,385.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,444.47	3/4	3,773.74	3/4	4,091.20	3/4	4,392.08	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,451.35	11	3,780.53	11	4,097.64	11	4,398.19	11		11		11		11		11		11	
1/4	3,458.23	1/4	3,787.29	1/4	4,104.04	1/4	4,404.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,465.10	1/2	3,794.05	1/2	4,110.45	1/2	4,410.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,471.98	3/4	3,800.80	3/4	4,116.85	3/4	4,416.47	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/30/2019 JS
CALCULATED: 12/31/2019 CL
NAME CHANGE: 02/18/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "NGL 3052"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	10.13	0	259.27	0	540.59	0	843.68	0	1,168.66	0	1,499.26	0	1,829.86	0	2,160.41	0	2,490.89	0	2,821.36
1/4	13.45	1/4	264.92	1/4	546.68	1/4	850.25	1/4	1,175.54	1/4	1,506.14	1/4	1,836.74	1/4	2,167.30	1/4	2,497.77	1/4	2,828.25
1/2	16.77	1/2	270.57	1/2	552.78	1/2	856.83	1/2	1,182.43	1/2	1,513.03	1/2	1,843.63	1/2	2,174.18	1/2	2,504.66	1/2	2,835.13
3/4	20.09	3/4	276.22	3/4	558.88	3/4	863.40	3/4	1,189.32	3/4	1,519.92	3/4	1,850.52	3/4	2,181.07	3/4	2,511.54	3/4	2,842.02
1	23.41	1	281.86	1	564.97	1	869.97	1	1,196.21	1	1,526.81	1	1,857.41	1	2,187.95	1	2,518.43	1	2,848.90
1/4	28.05	1/4	287.55	1/4	571.11	1/4	876.58	1/4	1,203.09	1/4	1,533.69	1/4	1,864.29	1/4	2,194.84	1/4	2,525.31	1/4	2,855.79
1/2	32.69	1/2	293.23	1/2	577.25	1/2	883.19	1/2	1,209.98	1/2	1,540.58	1/2	1,871.18	1/2	2,201.72	1/2	2,532.20	1/2	2,862.67
3/4	37.33	3/4	298.91	3/4	583.38	3/4	889.80	3/4	1,216.87	3/4	1,547.47	3/4	1,878.07	3/4	2,208.61	3/4	2,539.08	3/4	2,869.56
2	41.98	2	304.60	2	589.52	2	896.41	2	1,223.76	2	1,554.36	2	1,884.96	2	2,215.49	2	2,545.97	2	2,876.44
1/4	47.23	1/4	310.32	1/4	595.70	1/4	903.06	1/4	1,230.64	1/4	1,561.24	1/4	1,891.84	1/4	2,222.38	1/4	2,552.85	1/4	2,883.33
1/2	52.49	1/2	316.04	1/2	601.87	1/2	909.71	1/2	1,237.53	1/2	1,568.13	1/2	1,898.73	1/2	2,229.26	1/2	2,559.74	1/2	2,890.21
3/4	57.74	3/4	321.77	3/4	608.05	3/4	916.36	3/4	1,244.42	3/4	1,575.02	3/4	1,905.62	3/4	2,236.15	3/4	2,566.62	3/4	2,897.10
3	63.00	3	327.49	3	614.23	3	923.01	3	1,251.31	3	1,581.91	3	1,912.51	3	2,243.03	3	2,573.51	3	2,903.98
1/4	68.29	1/4	333.25	1/4	620.45	1/4	929.70	1/4	1,258.19	1/4	1,588.79	1/4	1,919.39	1/4	2,249.92	1/4	2,580.39	1/4	2,910.87
1/2	73.59	1/2	339.02	1/2	626.66	1/2	936.39	1/2	1,265.08	1/2	1,595.68	1/2	1,926.28	1/2	2,256.80	1/2	2,587.28	1/2	2,917.75
3/4	78.88	3/4	344.79	3/4	632.88	3/4	943.08	3/4	1,271.97	3/4	1,602.57	3/4	1,933.17	3/4	2,263.69	3/4	2,594.16	3/4	2,924.64
4	84.18	4	350.55	4	639.10	4	949.77	4	1,278.86	4	1,609.46	4	1,940.06	4	2,270.57	4	2,601.05	4	2,931.52
1/4	89.51	1/4	356.36	1/4	645.35	1/4	956.50	1/4	1,285.74	1/4	1,616.34	1/4	1,946.94	1/4	2,277.46	1/4	2,607.93	1/4	2,938.41
1/2	94.85	1/2	362.16	1/2	651.61	1/2	963.22	1/2	1,292.63	1/2	1,623.23	1/2	1,953.83	1/2	2,284.34	1/2	2,614.82	1/2	2,945.29
3/4	100.18	3/4	367.97	3/4	657.86	3/4	969.95	3/4	1,299.52	3/4	1,630.12	3/4	1,960.72	3/4	2,291.23	3/4	2,621.70	3/4	2,952.18
5	105.51	5	373.78	5	664.12	5	976.68	5	1,306.41	5	1,637.01	5	1,967.61	5	2,298.11	5	2,628.59	5	2,959.06
1/4	110.89	1/4	379.62	1/4	670.42	1/4	983.45	1/4	1,313.29	1/4	1,643.89	1/4	1,974.49	1/4	2,305.00	1/4	2,635.47	1/4	2,965.95
1/2	116.26	1/2	385.47	1/2	676.71	1/2	990.22	1/2	1,320.18	1/2	1,650.78	1/2	1,981.38	1/2	2,311.88	1/2	2,642.36	1/2	2,972.83
3/4	121.63	3/4	391.31	3/4	683.01	3/4	996.98	3/4	1,327.07	3/4	1,657.67	3/4	1,988.27	3/4	2,318.76	3/4	2,649.24	3/4	2,979.72
6	127.01	6	397.16	6	689.30	6	1,003.75	6	1,333.96	6	1,664.56	6	1,995.16	6	2,325.65	6	2,656.12	6	2,986.60
1/4	132.42	1/4	403.04	1/4	695.63	1/4	1,010.57	1/4	1,340.84	1/4	1,671.44	1/4	2,002.04	1/4	2,332.53	1/4	2,663.01	1/4	2,993.49
1/2	137.83	1/2	408.93	1/2	701.97	1/2	1,017.39	1/2	1,347.73	1/2	1,678.33	1/2	2,008.93	1/2	2,339.42	1/2	2,669.89	1/2	3,000.37
3/4	143.25	3/4	414.81	3/4	708.30	3/4	1,024.21	3/4	1,354.62	3/4	1,685.22	3/4	2,015.82	3/4	2,346.30	3/4	2,676.78	3/4	3,007.26
7	148.66	7	420.70	7	714.63	7	1,031.02	7	1,361.51	7	1,692.11	7	2,022.71	7	2,353.19	7	2,683.66	7	3,014.14
1/4	154.11	1/4	426.62	1/4	721.00	1/4	1,037.89	1/4	1,368.39	1/4	1,698.99	1/4	2,029.59	1/4	2,360.07	1/4	2,690.55	1/4	3,021.03
1/2	159.56	1/2	432.54	1/2	727.37	1/2	1,044.75	1/2	1,375.28	1/2	1,705.88	1/2	2,036.48	1/2	2,366.96	1/2	2,697.43	1/2	3,027.91
3/4	165.02	3/4	438.47	3/4	733.74	3/4	1,051.61	3/4	1,382.17	3/4	1,712.77	3/4	2,043.37	3/4	2,373.84	3/4	2,704.32	3/4	3,034.80
8	170.47	8	444.39	8	740.12	8	1,058.48	8	1,389.06	8	1,719.66	8	2,050.25	8	2,380.73	8	2,711.20	8	3,041.68
1/4	175.96	1/4	450.36	1/4	746.53	1/4	1,065.36	1/4	1,395.94	1/4	1,726.54	1/4	2,057.14	1/4	2,387.61	1/4	2,718.09	1/4	3,048.57
1/2	181.45	1/2	456.32	1/2	752.94	1/2	1,072.24	1/2	1,402.83	1/2	1,733.43	1/2	2,064.02	1/2	2,394.50	1/2	2,724.97	1/2	3,055.45
3/4	186.94	3/4	462.28	3/4	759.36	3/4	1,079.12	3/4	1,409.72	3/4	1,740.32	3/4	2,070.91	3/4	2,401.38	3/4	2,731.86	3/4	3,062.34
9	192.43	9	468.24	9	765.77	9	1,086.01	9	1,416.61	9	1,747.21	9	2,077.79	9	2,408.27	9	2,738.74	9	3,069.22
1/4	197.96	1/4	474.24	1/4	772.22	1/4	1,092.89	1/4	1,423.49	1/4	1,754.09	1/4	2,084.68	1/4	2,415.15	1/4	2,745.63	1/4	3,076.11
1/2	203.49	1/2	480.24	1/2	778.68	1/2	1,099.78	1/2	1,430.38	1/2	1,760.98	1/2	2,091.56	1/2	2,422.04	1/2	2,752.51	1/2	3,082.99
3/4	209.03	3/4	486.24	3/4	785.13	3/4	1,106.67	3/4	1,437.27	3/4	1,767.87	3/4	2,098.45	3/4	2,428.92	3/4	2,759.40	3/4	3,089.88
10	214.56	10	492.24	10	791.58	10	1,113.56	10	1,444.16	10	1,774.76	10	2,105.33	10	2,435.81	10	2,766.28	10	3,096.76
1/4	220.13	1/4	498.27	1/4	798.08	1/4	1,120.44	1/4	1,451.04	1/4	1,781.64	1/4	2,112.22	1/4	2,442.69	1/4	2,773.17	1/4	3,103.65
1/2	225.70	1/2	504.30	1/2	804.57	1/2	1,127.33	1/2	1,457.93	1/2	1,788.53	1/2	2,119.10	1/2	2,449.58	1/2	2,780.05	1/2	3,110.53
3/4	231.27	3/4	510.33	3/4	811.06	3/4	1,134.22	3/4	1,464.82	3/4	1,795.42	3/4	2,125.99	3/4	2,456.46	3/4	2,786.94	3/4	3,117.41
11	236.84	11	516.35	11	817.55	11	1,141.11	11	1,471.71	11	1,802.31	11	2,132.87	11	2,463.35	11	2,793.82	11	3,124.30
1/4	242.45	1/4	522.41	1/4	824.09	1/4	1,147.99	1/4	1,478.59	1/4	1,809.19	1/4	2,139.76	1/4	2,470.23	1/4	2,800.71	1/4	3,131.18
1/2	248.06	1/2	528.47	1/2	830.62	1/2	1,154.88	1/2	1,485.48	1/2	1,816.08	1/2	2,146.64	1/2	2,477.12	1/2	2,807.59	1/2	3,138.07
3/4	253.67	3/4	534.53	3/4	837.15	3/4	1,161.77	3/4	1,492.37	3/4	1,822.97	3/4	2,153.53	3/4	2,484.00	3/4	2,814.48	3/4	3,144.95

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 44'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "NGL 3052"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-06 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,151.84	0	3,482.31	0	3,811.45	0	4,127.55	0	4,427.23	0		0		0		0		0	
1/4	3,158.72	1/4	3,489.19	1/4	3,818.19	1/4	4,133.93	1/4	4,433.50	1/4		1/4		1/4		1/4		1/4	
1/2	3,165.61	1/2	3,496.08	1/2	3,824.93	1/2	4,140.32	1/2	4,439.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,172.49	3/4	3,502.96	3/4	3,831.67	3/4	4,146.71	3/4	4,446.04	3/4		3/4		3/4		3/4		3/4	
1	3,179.38	1	3,509.85	1	3,838.41	1	4,153.10	1	4,452.32	1		1		1		1		1	
1/4	3,186.26	1/4	3,516.73	1/4	3,845.12	1/4	4,159.46	1/4	4,458.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,193.15	1/2	3,523.62	1/2	3,851.84	1/2	4,165.82	1/2	4,465.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,200.03	3/4	3,530.50	3/4	3,858.55	3/4	4,172.18	3/4	4,472.27	3/4		3/4		3/4		3/4		3/4	
2	3,206.92	2	3,537.39	2	3,865.27	2	4,178.54	2	4,478.93	2		2		2		2		2	
1/4	3,213.80	1/4	3,544.27	1/4	3,871.96	1/4	4,184.88	1/4	4,485.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,220.69	1/2	3,551.16	1/2	3,878.65	1/2	4,191.21	1/2	4,492.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,227.57	3/4	3,558.04	3/4	3,885.33	3/4	4,197.54	3/4	4,499.46	3/4		3/4		3/4		3/4		3/4	
3	3,234.46	3	3,564.93	3	3,892.02	3	4,203.88	3	4,506.31	3		3		3		3		3	
1/4	3,241.34	1/4	3,571.81	1/4	3,898.69	1/4	4,210.19	1/4	4,513.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,248.23	1/2	3,578.70	1/2	3,905.35	1/2	4,216.50	1/2	4,519.82	1/2		1/2		1/2		1/2		1/2	
3/4	3,255.11	3/4	3,585.58	3/4	3,912.01	3/4	4,222.81	3/4	4,526.58	3/4		3/4		3/4		3/4		3/4	
4	3,262.00	4	3,592.47	4	3,918.67	4	4,229.11	4	4,533.34	4		4		4		4		4	
1/4	3,268.88	1/4	3,599.35	1/4	3,925.31	1/4	4,235.40	1/4	4,539.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,275.77	1/2	3,606.24	1/2	3,931.95	1/2	4,241.68	1/2	4,545.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,282.65	3/4	3,613.12	3/4	3,938.58	3/4	4,247.96	3/4	4,551.55	3/4		3/4		3/4		3/4		3/4	
5	3,289.53	5	3,620.01	5	3,945.22	5	4,254.24	5	4,557.62	5		5		5		5		5	
1/4	3,296.42	1/4	3,626.89	1/4	3,951.83	1/4	4,260.50	1/4	4,562.40	1/4		1/4		1/4		1/4		1/4	
1/2	3,303.30	1/2	3,633.77	1/2	3,958.44	1/2	4,266.76	1/2	4,567.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,310.19	3/4	3,640.66	3/4	3,965.05	3/4	4,273.01	3/4	4,571.96	3/4		3/4		3/4		3/4		3/4	
6	3,317.07	6	3,647.54	6	3,971.66	6	4,279.27	6	4,576.74	6		6		6		6		6	
1/4	3,323.96	1/4	3,654.43	1/4	3,978.24	1/4	4,285.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,330.84	1/2	3,661.31	1/2	3,984.83	1/2	4,291.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,337.73	3/4	3,668.19	3/4	3,991.41	3/4	4,297.96	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,344.61	7	3,675.07	7	3,997.99	7	4,304.19	7		7		7		7		7		7	
1/4	3,351.50	1/4	3,681.94	1/4	4,004.55	1/4	4,310.40	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,358.38	1/2	3,688.81	1/2	4,011.11	1/2	4,316.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,365.27	3/4	3,695.68	3/4	4,017.67	3/4	4,322.80	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,372.15	8	3,702.55	8	4,024.23	8	4,329.01	8		8		8		8		8		8	
1/4	3,379.04	1/4	3,709.39	1/4	4,030.74	1/4	4,335.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,385.92	1/2	3,716.24	1/2	4,037.25	1/2	4,341.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,392.81	3/4	3,723.08	3/4	4,043.76	3/4	4,347.54	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,399.69	9	3,729.93	9	4,050.27	9	4,353.72	9		9		9		9		9		9	
1/4	3,406.58	1/4	3,736.75	1/4	4,056.74	1/4	4,359.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,413.46	1/2	3,743.57	1/2	4,063.20	1/2	4,366.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,420.35	3/4	3,750.39	3/4	4,069.67	3/4	4,372.17	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,427.23	10	3,757.21	10	4,076.13	10	4,378.33	10		10		10		10		10		10	
1/4	3,434.12	1/4	3,764.00	1/4	4,082.57	1/4	4,384.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,441.00	1/2	3,770.79	1/2	4,089.01	1/2	4,390.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,447.89	3/4	3,777.58	3/4	4,095.45	3/4	4,396.70	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,454.77	11	3,784.38	11	4,101.89	11	4,402.83	11		11		11		11		11		11	
1/4	3,461.65	1/4	3,791.15	1/4	4,108.31	1/4	4,408.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,468.54	1/2	3,797.91	1/2	4,114.72	1/2	4,415.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,475.42	3/4	3,804.68	3/4	4,121.13	3/4	4,421.13	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/30/2019 JS
CALCULATED: 12/31/2019 CL
NAME CHANGE: 02/18/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "NGL 3052"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-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	13.88	0	389.47	0	778.37	0	1,166.87	0	1,555.98	0	1,945.08	0	2,334.19	0	2,723.26	0	3,112.21	0	3,501.17
1/4	19.28	1/4	397.58	1/4	786.46	1/4	1,174.98	1/4	1,564.08	1/4	1,953.19	1/4	2,342.30	1/4	2,731.36	1/4	3,120.32	1/4	3,509.28
1/2	24.69	1/2	405.68	1/2	794.54	1/2	1,183.08	1/2	1,572.19	1/2	1,961.30	1/2	2,350.40	1/2	2,739.46	1/2	3,128.42	1/2	3,517.38
3/4	30.09	3/4	413.79	3/4	802.62	3/4	1,191.19	3/4	1,580.30	3/4	1,969.40	3/4	2,358.51	3/4	2,747.57	3/4	3,136.52	3/4	3,525.48
1	35.49	1	421.90	1	810.70	1	1,199.30	1	1,588.40	1	1,977.51	1	2,366.62	1	2,755.67	1	3,144.63	1	3,533.59
1/4	42.93	1/4	430.00	1/4	818.78	1/4	1,207.40	1/4	1,596.51	1/4	1,985.62	1/4	2,374.72	1/4	2,763.77	1/4	3,152.73	1/4	3,541.69
1/2	50.36	1/2	438.10	1/2	826.87	1/2	1,215.51	1/2	1,604.62	1/2	1,993.72	1/2	2,382.83	1/2	2,771.88	1/2	3,160.83	1/2	3,549.79
3/4	57.79	3/4	446.20	3/4	834.95	3/4	1,223.61	3/4	1,612.72	3/4	2,001.83	3/4	2,390.94	3/4	2,779.98	3/4	3,168.94	3/4	3,557.90
2	65.22	2	454.30	2	843.03	2	1,231.72	2	1,620.83	2	2,009.94	2	2,399.04	2	2,788.08	2	3,177.04	2	3,566.00
1/4	73.32	1/4	462.41	1/4	851.12	1/4	1,239.83	1/4	1,628.93	1/4	2,018.04	1/4	2,407.15	1/4	2,796.19	1/4	3,185.14	1/4	3,574.10
1/2	81.43	1/2	470.51	1/2	859.20	1/2	1,247.93	1/2	1,637.04	1/2	2,026.15	1/2	2,415.26	1/2	2,804.29	1/2	3,193.25	1/2	3,582.21
3/4	89.54	3/4	478.61	3/4	867.29	3/4	1,256.04	3/4	1,645.15	3/4	2,034.25	3/4	2,423.36	3/4	2,812.39	3/4	3,201.35	3/4	3,590.31
3	97.64	3	486.71	3	875.37	3	1,264.15	3	1,653.25	3	2,042.36	3	2,431.47	3	2,820.50	3	3,209.45	3	3,598.41
1/4	105.75	1/4	494.82	1/4	883.46	1/4	1,272.25	1/4	1,661.36	1/4	2,050.47	1/4	2,439.57	1/4	2,828.60	1/4	3,217.56	1/4	3,606.52
1/2	113.86	1/2	502.92	1/2	891.54	1/2	1,280.36	1/2	1,669.47	1/2	2,058.57	1/2	2,447.68	1/2	2,836.70	1/2	3,225.66	1/2	3,614.62
3/4	121.96	3/4	511.03	3/4	899.63	3/4	1,288.47	3/4	1,677.57	3/4	2,066.68	3/4	2,455.79	3/4	2,844.81	3/4	3,233.76	3/4	3,622.72
4	130.07	4	519.13	4	907.71	4	1,296.57	4	1,685.68	4	2,074.79	4	2,463.89	4	2,852.91	4	3,241.87	4	3,630.83
1/4	138.18	1/4	527.24	1/4	915.79	1/4	1,304.68	1/4	1,693.79	1/4	2,082.89	1/4	2,472.00	1/4	2,861.01	1/4	3,249.97	1/4	3,638.93
1/2	146.28	1/2	535.34	1/2	923.88	1/2	1,312.79	1/2	1,701.89	1/2	2,091.00	1/2	2,480.11	1/2	2,869.12	1/2	3,258.07	1/2	3,647.03
3/4	154.39	3/4	543.45	3/4	931.96	3/4	1,320.89	3/4	1,710.00	3/4	2,099.11	3/4	2,488.21	3/4	2,877.22	3/4	3,266.18	3/4	3,655.14
5	162.49	5	551.56	5	940.05	5	1,329.00	5	1,718.11	5	2,107.21	5	2,496.32	5	2,885.32	5	3,274.28	5	3,663.24
1/4	170.60	1/4	559.66	1/4	948.13	1/4	1,337.10	1/4	1,726.21	1/4	2,115.32	1/4	2,504.43	1/4	2,893.43	1/4	3,282.38	1/4	3,671.35
1/2	178.71	1/2	567.77	1/2	956.22	1/2	1,345.21	1/2	1,734.32	1/2	2,123.43	1/2	2,512.53	1/2	2,901.53	1/2	3,290.49	1/2	3,679.45
3/4	186.81	3/4	575.88	3/4	964.30	3/4	1,353.32	3/4	1,742.42	3/4	2,131.53	3/4	2,520.64	3/4	2,909.63	3/4	3,298.59	3/4	3,687.55
6	194.92	6	583.98	6	972.39	6	1,361.42	6	1,750.53	6	2,139.64	6	2,528.75	6	2,917.74	6	3,306.69	6	3,695.66
1/4	203.03	1/4	592.09	1/4	980.48	1/4	1,369.53	1/4	1,758.64	1/4	2,147.74	1/4	2,536.85	1/4	2,925.84	1/4	3,314.80	1/4	3,703.76
1/2	211.13	1/2	600.19	1/2	988.57	1/2	1,377.64	1/2	1,766.74	1/2	2,155.85	1/2	2,544.96	1/2	2,933.94	1/2	3,322.90	1/2	3,711.86
3/4	219.24	3/4	608.30	3/4	996.66	3/4	1,385.74	3/4	1,774.85	3/4	2,163.96	3/4	2,553.06	3/4	2,942.05	3/4	3,331.00	3/4	3,719.97
7	227.35	7	616.41	7	1,004.75	7	1,393.85	7	1,782.96	7	2,172.06	7	2,561.17	7	2,950.15	7	3,339.11	7	3,728.07
1/4	235.45	1/4	624.51	1/4	1,012.86	1/4	1,401.96	1/4	1,791.06	1/4	2,180.17	1/4	2,569.28	1/4	2,958.25	1/4	3,347.21	1/4	3,736.17
1/2	243.56	1/2	632.62	1/2	1,020.96	1/2	1,410.06	1/2	1,799.17	1/2	2,188.28	1/2	2,577.39	1/2	2,966.36	1/2	3,355.31	1/2	3,744.28
3/4	251.66	3/4	640.73	3/4	1,029.06	3/4	1,418.17	3/4	1,807.28	3/4	2,196.38	3/4	2,585.50	3/4	2,974.46	3/4	3,363.42	3/4	3,752.38
8	259.77	8	648.83	8	1,037.17	8	1,426.27	8	1,815.38	8	2,204.49	8	2,593.60	8	2,982.56	8	3,371.52	8	3,760.48
1/4	267.88	1/4	656.94	1/4	1,045.27	1/4	1,434.38	1/4	1,823.49	1/4	2,212.60	1/4	2,601.71	1/4	2,990.67	1/4	3,379.62	1/4	3,768.59
1/2	275.98	1/2	665.05	1/2	1,053.38	1/2	1,442.49	1/2	1,831.59	1/2	2,220.70	1/2	2,609.81	1/2	2,998.77	1/2	3,387.73	1/2	3,776.69
3/4	284.09	3/4	673.15	3/4	1,061.49	3/4	1,450.59	3/4	1,839.70	3/4	2,228.81	3/4	2,617.91	3/4	3,006.87	3/4	3,395.83	3/4	3,784.79
9	292.20	9	681.26	9	1,069.59	9	1,458.70	9	1,847.81	9	2,236.91	9	2,626.02	9	3,014.97	9	3,403.93	9	3,792.89
1/4	300.30	1/4	689.36	1/4	1,077.70	1/4	1,466.81	1/4	1,855.91	1/4	2,245.02	1/4	2,634.12	1/4	3,023.08	1/4	3,412.04	1/4	3,801.00
1/2	308.41	1/2	697.47	1/2	1,085.81	1/2	1,474.91	1/2	1,864.02	1/2	2,253.13	1/2	2,642.22	1/2	3,031.18	1/2	3,420.14	1/2	3,809.10
3/4	316.52	3/4	705.57	3/4	1,093.91	3/4	1,483.02	3/4	1,872.13	3/4	2,261.23	3/4	2,650.33	3/4	3,039.28	3/4	3,428.24	3/4	3,817.20
10	324.62	10	713.67	10	1,102.02	10	1,491.13	10	1,880.23	10	2,269.34	10	2,658.43	10	3,047.39	10	3,436.35	10	3,825.31
1/4	332.73	1/4	721.76	1/4	1,110.13	1/4	1,499.23	1/4	1,888.34	1/4	2,277.45	1/4	2,666.53	1/4	3,055.49	1/4	3,444.45	1/4	3,833.41
1/2	340.84	1/2	729.86	1/2	1,118.23	1/2	1,507.34	1/2	1,896.45	1/2	2,285.55	1/2	2,674.64	1/2	3,063.59	1/2	3,452.55	1/2	3,841.51
3/4	348.94	3/4	737.95	3/4	1,126.34	3/4	1,515.45	3/4	1,904.55	3/4	2,293.66	3/4	2,682.74	3/4	3,071.70	3/4	3,460.66	3/4	3,849.62
11	357.05	11	746.04	11	1,134.44	11	1,523.55	11	1,912.66	11	2,301.77	11	2,690.84	11	3,079.80	11	3,468.76	11	3,857.72
1/4	365.15	1/4	754.12	1/4	1,142.55	1/4	1,531.66	1/4	1,920.77	1/4	2,309.87	1/4	2,698.95	1/4	3,087.90	1/4	3,476.86	1/4	3,865.82
1/2	373.26	1/2	762.21	1/2	1,150.66	1/2	1,539.76	1/2	1,928.87	1/2	2,317.98	1/2	2,707.05	1/2	3,096.01	1/2	3,484.97	1/2	3,873.93
3/4	381.37	3/4	770.29	3/4	1,158.76	3/4	1,547.87	3/4	1,936.98	3/4	2,326.09	3/4	2,715.15	3/4	3,104.11	3/4	3,493.07	3/4	3,882.03

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE
 GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "NGL 3052"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-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	3,890.13	0	4,279.09	0	4,666.47	0	5,038.51	0	5,391.21	0		0		0		0		0	
1/4	3,898.24	1/4	4,287.19	1/4	4,674.41	1/4	5,046.03	1/4	5,398.59	1/4		1/4		1/4		1/4		1/4	
1/2	3,906.34	1/2	4,295.29	1/2	4,682.34	1/2	5,053.54	1/2	5,405.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,914.44	3/4	4,303.40	3/4	4,690.27	3/4	5,061.06	3/4	5,413.36	3/4		3/4		3/4		3/4		3/4	
1	3,922.55	1	4,311.50	1	4,698.21	1	5,068.58	1	5,420.74	1		1		1		1		1	
1/4	3,930.65	1/4	4,319.60	1/4	4,706.11	1/4	5,076.06	1/4	5,428.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,938.75	1/2	4,327.71	1/2	4,714.01	1/2	5,083.55	1/2	5,436.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,946.86	3/4	4,335.81	3/4	4,721.92	3/4	5,091.04	3/4	5,444.22	3/4		3/4		3/4		3/4		3/4	
2	3,954.96	2	4,343.91	2	4,729.82	2	5,098.52	2	5,452.05	2		2		2		2		2	
1/4	3,963.06	1/4	4,352.02	1/4	4,737.69	1/4	5,105.98	1/4	5,460.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,971.17	1/2	4,360.12	1/2	4,745.56	1/2	5,113.44	1/2	5,468.17	1/2		1/2		1/2		1/2		1/2	
3/4	3,979.27	3/4	4,368.22	3/4	4,753.44	3/4	5,120.89	3/4	5,476.22	3/4		3/4		3/4		3/4		3/4	
3	3,987.37	3	4,376.33	3	4,761.31	3	5,128.35	3	5,484.28	3		3		3		3		3	
1/4	3,995.47	1/4	4,384.43	1/4	4,769.15	1/4	5,135.77	1/4	5,492.23	1/4		1/4		1/4		1/4		1/4	
1/2	4,003.58	1/2	4,392.53	1/2	4,776.99	1/2	5,143.20	1/2	5,500.19	1/2		1/2		1/2		1/2		1/2	
3/4	4,011.68	3/4	4,400.63	3/4	4,784.83	3/4	5,150.62	3/4	5,508.14	3/4		3/4		3/4		3/4		3/4	
4	4,019.78	4	4,408.74	4	4,792.68	4	5,158.05	4	5,516.10	4		4		4		4		4	
1/4	4,027.89	1/4	4,416.84	1/4	4,800.49	1/4	5,165.44	1/4	5,523.24	1/4		1/4		1/4		1/4		1/4	
1/2	4,035.99	1/2	4,424.94	1/2	4,808.30	1/2	5,172.83	1/2	5,530.39	1/2		1/2		1/2		1/2		1/2	
3/4	4,044.09	3/4	4,433.05	3/4	4,816.11	3/4	5,180.23	3/4	5,537.53	3/4		3/4		3/4		3/4		3/4	
5	4,052.20	5	4,441.15	5	4,823.92	5	5,187.62	5	5,544.68	5		5		5		5		5	
1/4	4,060.30	1/4	4,449.25	1/4	4,831.70	1/4	5,194.99	1/4	5,550.30	1/4		1/4		1/4		1/4		1/4	
1/2	4,068.40	1/2	4,457.36	1/2	4,839.48	1/2	5,202.35	1/2	5,555.93	1/2		1/2		1/2		1/2		1/2	
3/4	4,076.51	3/4	4,465.46	3/4	4,847.26	3/4	5,209.71	3/4	5,561.55	3/4		3/4		3/4		3/4		3/4	
6	4,084.61	6	4,473.56	6	4,855.04	6	5,217.07	6	5,567.17	6		6		6		6		6	
1/4	4,092.71	1/4	4,481.66	1/4	4,862.79	1/4	5,224.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,100.82	1/2	4,489.76	1/2	4,870.54	1/2	5,231.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,108.92	3/4	4,497.86	3/4	4,878.29	3/4	5,239.07	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,117.02	7	4,505.96	7	4,886.03	7	5,246.40	7		7		7		7		7		7	
1/4	4,125.13	1/4	4,514.05	1/4	4,893.75	1/4	5,253.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,133.23	1/2	4,522.13	1/2	4,901.47	1/2	5,261.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,141.33	3/4	4,530.21	3/4	4,909.19	3/4	5,268.31	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,149.44	8	4,538.30	8	4,916.91	8	5,275.61	8		8		8		8		8		8	
1/4	4,157.54	1/4	4,546.36	1/4	4,924.57	1/4	5,282.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,165.64	1/2	4,554.41	1/2	4,932.24	1/2	5,290.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,173.75	3/4	4,562.47	3/4	4,939.90	3/4	5,297.42	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,181.85	9	4,570.53	9	4,947.56	9	5,304.70	9		9		9		9		9		9	
1/4	4,189.95	1/4	4,578.55	1/4	4,955.17	1/4	5,311.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,198.05	1/2	4,586.58	1/2	4,962.78	1/2	5,319.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,206.16	3/4	4,594.61	3/4	4,970.39	3/4	5,326.42	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,214.26	10	4,602.63	10	4,978.00	10	5,333.66	10		10		10		10		10		10	
1/4	4,222.36	1/4	4,610.63	1/4	4,985.58	1/4	5,340.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,230.47	1/2	4,618.62	1/2	4,993.16	1/2	5,348.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,238.57	3/4	4,626.62	3/4	5,000.74	3/4	5,355.28	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,246.67	11	4,634.61	11	5,008.32	11	5,362.49	11		11		11		11		11		11	
1/4	4,254.78	1/4	4,642.58	1/4	5,015.87	1/4	5,369.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,262.88	1/2	4,650.54	1/2	5,023.41	1/2	5,376.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,270.98	3/4	4,658.51	3/4	5,030.96	3/4	5,384.03	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/30/2019 JS
CALCULATED: 12/31/2019 CL
NAME CHANGE: 02/18/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "NGL 3052"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-06 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	13.78	0	386.84	0	768.85	0	1,140.09	0	1,519.87	0	1,906.35	0	2,292.83	0	2,679.26	0	3,065.59	0	3,451.92
1/4	19.15	1/4	394.89	1/4	776.57	1/4	1,147.84	1/4	1,527.92	1/4	1,914.40	1/4	2,300.88	1/4	2,687.31	1/4	3,073.64	1/4	3,459.97
1/2	24.52	1/2	402.94	1/2	784.29	1/2	1,155.59	1/2	1,535.97	1/2	1,922.45	1/2	2,308.94	1/2	2,695.36	1/2	3,081.69	1/2	3,468.02
3/4	29.89	3/4	410.99	3/4	792.02	3/4	1,163.33	3/4	1,544.03	3/4	1,930.51	3/4	2,316.99	3/4	2,703.40	3/4	3,089.74	3/4	3,476.07
1	35.25	1	419.04	1	799.74	1	1,171.08	1	1,552.08	1	1,938.56	1	2,325.04	1	2,711.45	1	3,097.79	1	3,484.12
1/4	42.63	1/4	427.09	1/4	807.46	1/4	1,178.83	1/4	1,560.13	1/4	1,946.61	1/4	2,333.09	1/4	2,719.50	1/4	3,105.83	1/4	3,492.17
1/2	50.02	1/2	435.14	1/2	815.19	1/2	1,186.58	1/2	1,568.18	1/2	1,954.66	1/2	2,341.14	1/2	2,727.55	1/2	3,113.88	1/2	3,500.22
3/4	57.40	3/4	443.19	3/4	822.91	3/4	1,194.32	3/4	1,576.23	3/4	1,962.71	3/4	2,349.20	3/4	2,735.60	3/4	3,121.93	3/4	3,508.26
2	64.78	2	451.23	2	830.63	2	1,202.07	2	1,584.28	2	1,970.77	2	2,357.25	2	2,743.65	2	3,129.98	2	3,516.31
1/4	72.83	1/4	459.28	1/4	838.36	1/4	1,209.82	1/4	1,592.34	1/4	1,978.82	1/4	2,365.30	1/4	2,751.70	1/4	3,138.03	1/4	3,524.36
1/2	80.88	1/2	467.33	1/2	846.08	1/2	1,217.56	1/2	1,600.39	1/2	1,986.87	1/2	2,373.35	1/2	2,759.74	1/2	3,146.08	1/2	3,532.41
3/4	88.93	3/4	475.37	3/4	853.81	3/4	1,225.31	3/4	1,608.44	3/4	1,994.92	3/4	2,381.40	3/4	2,767.79	3/4	3,154.13	3/4	3,540.46
3	96.98	3	483.42	3	861.53	3	1,233.06	3	1,616.49	3	2,002.97	3	2,389.45	3	2,775.84	3	3,162.17	3	3,548.51
1/4	105.03	1/4	491.47	1/4	869.26	1/4	1,240.80	1/4	1,624.54	1/4	2,011.02	1/4	2,397.51	1/4	2,783.89	1/4	3,170.22	1/4	3,556.56
1/2	113.09	1/2	499.52	1/2	876.98	1/2	1,248.55	1/2	1,632.59	1/2	2,019.08	1/2	2,405.56	1/2	2,791.94	1/2	3,178.27	1/2	3,564.60
3/4	121.14	3/4	507.57	3/4	884.71	3/4	1,256.30	3/4	1,640.65	3/4	2,027.13	3/4	2,413.61	3/4	2,799.99	3/4	3,186.32	3/4	3,572.65
4	129.19	4	515.62	4	892.43	4	1,264.05	4	1,648.70	4	2,035.18	4	2,421.66	4	2,808.04	4	3,194.37	4	3,580.70
1/4	137.24	1/4	523.67	1/4	900.16	1/4	1,271.79	1/4	1,656.75	1/4	2,043.23	1/4	2,429.71	1/4	2,816.08	1/4	3,202.42	1/4	3,588.75
1/2	145.29	1/2	531.73	1/2	907.88	1/2	1,279.54	1/2	1,664.80	1/2	2,051.28	1/2	2,437.76	1/2	2,824.13	1/2	3,210.47	1/2	3,596.80
3/4	153.34	3/4	539.78	3/4	915.61	3/4	1,287.29	3/4	1,672.85	3/4	2,059.33	3/4	2,445.82	3/4	2,832.18	3/4	3,218.51	3/4	3,604.85
5	161.40	5	547.83	5	923.34	5	1,295.03	5	1,680.90	5	2,067.39	5	2,453.87	5	2,840.23	5	3,226.56	5	3,612.89
1/4	169.45	1/4	555.88	1/4	931.06	1/4	1,302.93	1/4	1,688.96	1/4	2,075.44	1/4	2,461.92	1/4	2,848.28	1/4	3,234.61	1/4	3,620.94
1/2	177.50	1/2	563.93	1/2	938.79	1/2	1,310.83	1/2	1,697.01	1/2	2,083.49	1/2	2,469.97	1/2	2,856.33	1/2	3,242.66	1/2	3,628.99
3/4	185.55	3/4	571.98	3/4	946.51	3/4	1,318.73	3/4	1,705.06	3/4	2,091.54	3/4	2,478.02	3/4	2,864.38	3/4	3,250.71	3/4	3,637.04
6	193.60	6	580.04	6	954.24	6	1,326.63	6	1,713.11	6	2,099.59	6	2,486.07	6	2,872.42	6	3,258.76	6	3,645.09
1/4	201.65	1/4	588.09	1/4	961.97	1/4	1,334.68	1/4	1,721.16	1/4	2,107.64	1/4	2,494.13	1/4	2,880.47	1/4	3,266.81	1/4	3,653.14
1/2	209.71	1/2	596.14	1/2	969.70	1/2	1,342.73	1/2	1,729.21	1/2	2,115.70	1/2	2,502.18	1/2	2,888.52	1/2	3,274.85	1/2	3,661.18
3/4	217.76	3/4	604.19	3/4	977.43	3/4	1,350.78	3/4	1,737.27	3/4	2,123.75	3/4	2,510.23	3/4	2,896.57	3/4	3,282.90	3/4	3,669.23
7	225.81	7	612.24	7	985.17	7	1,358.84	7	1,745.32	7	2,131.80	7	2,518.28	7	2,904.62	7	3,290.95	7	3,677.28
1/4	233.86	1/4	620.29	1/4	992.91	1/4	1,366.89	1/4	1,753.37	1/4	2,139.85	1/4	2,526.33	1/4	2,912.67	1/4	3,299.00	1/4	3,685.33
1/2	241.91	1/2	628.35	1/2	1,000.65	1/2	1,374.94	1/2	1,761.42	1/2	2,147.90	1/2	2,534.38	1/2	2,920.72	1/2	3,307.05	1/2	3,693.38
3/4	249.96	3/4	636.40	3/4	1,008.40	3/4	1,382.99	3/4	1,769.47	3/4	2,155.95	3/4	2,542.43	3/4	2,928.76	3/4	3,315.10	3/4	3,701.43
8	258.02	8	644.45	8	1,016.14	8	1,391.04	8	1,777.52	8	2,164.01	8	2,550.48	8	2,936.81	8	3,323.15	8	3,709.48
1/4	266.07	1/4	652.35	1/4	1,023.89	1/4	1,399.09	1/4	1,785.58	1/4	2,172.06	1/4	2,558.53	1/4	2,944.86	1/4	3,331.19	1/4	3,717.52
1/2	274.12	1/2	660.25	1/2	1,031.64	1/2	1,407.15	1/2	1,793.63	1/2	2,180.11	1/2	2,566.58	1/2	2,952.91	1/2	3,339.24	1/2	3,725.57
3/4	282.17	3/4	668.15	3/4	1,039.38	3/4	1,415.20	3/4	1,801.68	3/4	2,188.16	3/4	2,574.63	3/4	2,960.96	3/4	3,347.29	3/4	3,733.62
9	290.22	9	676.05	9	1,047.13	9	1,423.25	9	1,809.73	9	2,196.21	9	2,582.67	9	2,969.01	9	3,355.34	9	3,741.67
1/4	298.27	1/4	683.79	1/4	1,054.88	1/4	1,431.30	1/4	1,817.78	1/4	2,204.26	1/4	2,590.72	1/4	2,977.06	1/4	3,363.39	1/4	3,749.72
1/2	306.32	1/2	691.53	1/2	1,062.62	1/2	1,439.35	1/2	1,825.83	1/2	2,212.32	1/2	2,598.77	1/2	2,985.10	1/2	3,371.44	1/2	3,757.77
3/4	314.38	3/4	699.28	3/4	1,070.37	3/4	1,447.40	3/4	1,833.89	3/4	2,220.37	3/4	2,606.82	3/4	2,993.15	3/4	3,379.49	3/4	3,765.82
10	322.43	10	707.02	10	1,078.12	10	1,455.46	10	1,841.94	10	2,228.42	10	2,614.87	10	3,001.20	10	3,387.53	10	3,773.86
1/4	330.48	1/4	714.75	1/4	1,085.86	1/4	1,463.51	1/4	1,849.99	1/4	2,236.47	1/4	2,622.92	1/4	3,009.25	1/4	3,395.58	1/4	3,781.91
1/2	338.53	1/2	722.49	1/2	1,093.61	1/2	1,471.56	1/2	1,858.04	1/2	2,244.52	1/2	2,630.97	1/2	3,017.30	1/2	3,403.63	1/2	3,789.96
3/4	346.58	3/4	730.22	3/4	1,101.36	3/4	1,479.61	3/4	1,866.09	3/4	2,252.57	3/4	2,639.01	3/4	3,025.35	3/4	3,411.68	3/4	3,798.01
11	354.63	11	737.95	11	1,109.11	11	1,487.66	11	1,874.14	11	2,260.63	11	2,647.06	11	3,033.40	11	3,419.73	11	3,806.06
1/4	362.69	1/4	745.68	1/4	1,116.85	1/4	1,495.71	1/4	1,882.20	1/4	2,268.68	1/4	2,655.11	1/4	3,041.44	1/4	3,427.78	1/4	3,814.11
1/2	370.74	1/2	753.40	1/2	1,124.60	1/2	1,503.77	1/2	1,890.25	1/2	2,276.73	1/2	2,663.16	1/2	3,049.49	1/2	3,435.83	1/2	3,822.15
3/4	378.79	3/4	761.12	3/4	1,132.35	3/4	1,511.82	3/4	1,898.30	3/4	2,284.78	3/4	2,671.21	3/4	3,057.54	3/4	3,443.87	3/4	3,830.20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE

GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 51'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "NGL 3052"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-06 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	3,838.25	0	4,224.58	0	4,609.35	0	4,978.88	0	5,329.23	0		0		0		0		0	
1/4	3,846.30	1/4	4,232.63	1/4	4,617.23	1/4	4,986.35	1/4	5,336.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,854.35	1/2	4,240.68	1/2	4,625.11	1/2	4,993.82	1/2	5,343.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,862.40	3/4	4,248.73	3/4	4,632.99	3/4	5,001.29	3/4	5,351.23	3/4		3/4		3/4		3/4		3/4	
1	3,870.45	1	4,256.77	1	4,640.87	1	5,008.75	1	5,358.56	1		1		1		1		1	
1/4	3,878.49	1/4	4,264.82	1/4	4,648.72	1/4	5,016.19	1/4	5,366.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,886.54	1/2	4,272.87	1/2	4,656.57	1/2	5,023.62	1/2	5,374.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,894.59	3/4	4,280.92	3/4	4,664.42	3/4	5,031.06	3/4	5,381.89	3/4		3/4		3/4		3/4		3/4	
2	3,902.64	2	4,288.97	2	4,672.27	2	5,038.50	2	5,389.67	2		2		2		2		2	
1/4	3,910.69	1/4	4,297.02	1/4	4,680.09	1/4	5,045.90	1/4	5,397.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,918.74	1/2	4,305.06	1/2	4,687.91	1/2	5,053.31	1/2	5,405.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,926.79	3/4	4,313.11	3/4	4,695.72	3/4	5,060.72	3/4	5,413.67	3/4		3/4		3/4		3/4		3/4	
3	3,934.83	3	4,321.16	3	4,703.54	3	5,068.12	3	5,421.68	3		3		3		3		3	
1/4	3,942.88	1/4	4,329.21	1/4	4,711.33	1/4	5,075.50	1/4	5,429.58	1/4		1/4		1/4		1/4		1/4	
1/2	3,950.93	1/2	4,337.26	1/2	4,719.12	1/2	5,082.87	1/2	5,437.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,958.98	3/4	4,345.31	3/4	4,726.91	3/4	5,090.25	3/4	5,445.38	3/4		3/4		3/4		3/4		3/4	
4	3,967.03	4	4,353.36	4	4,734.70	4	5,097.62	4	5,453.28	4		4		4		4		4	
1/4	3,975.08	1/4	4,361.40	1/4	4,742.46	1/4	5,104.97	1/4	5,460.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,983.12	1/2	4,369.45	1/2	4,750.22	1/2	5,112.31	1/2	5,467.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,991.17	3/4	4,377.50	3/4	4,757.97	3/4	5,119.66	3/4	5,474.57	3/4		3/4		3/4		3/4		3/4	
5	3,999.22	5	4,385.55	5	4,765.73	5	5,127.00	5	5,481.66	5		5		5		5		5	
1/4	4,007.27	1/4	4,393.60	1/4	4,773.46	1/4	5,134.31	1/4	5,487.25	1/4		1/4		1/4		1/4		1/4	
1/2	4,015.32	1/2	4,401.65	1/2	4,781.19	1/2	5,141.63	1/2	5,492.83	1/2		1/2		1/2		1/2		1/2	
3/4	4,023.37	3/4	4,409.70	3/4	4,788.92	3/4	5,148.94	3/4	5,498.42	3/4		3/4		3/4		3/4		3/4	
6	4,031.42	6	4,417.74	6	4,796.64	6	5,156.26	6	5,504.01	6		6		6		6		6	
1/4	4,039.46	1/4	4,425.79	1/4	4,804.34	1/4	5,163.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,047.51	1/2	4,433.83	1/2	4,812.04	1/2	5,170.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,055.56	3/4	4,441.88	3/4	4,819.73	3/4	5,178.11	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,063.61	7	4,449.92	7	4,827.43	7	5,185.39	7		7		7		7		7		7	
1/4	4,071.66	1/4	4,457.95	1/4	4,835.10	1/4	5,192.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,079.71	1/2	4,465.98	1/2	4,842.76	1/2	5,199.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,087.76	3/4	4,474.01	3/4	4,850.43	3/4	5,207.15	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,095.80	8	4,482.04	8	4,858.10	8	5,214.40	8		8		8		8		8		8	
1/4	4,103.85	1/4	4,490.04	1/4	4,865.71	1/4	5,221.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,111.90	1/2	4,498.04	1/2	4,873.32	1/2	5,228.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,119.95	3/4	4,506.04	3/4	4,880.94	3/4	5,236.07	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,128.00	9	4,514.05	9	4,888.55	9	5,243.29	9		9		9		9		9		9	
1/4	4,136.05	1/4	4,522.02	1/4	4,896.11	1/4	5,250.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,144.09	1/2	4,529.99	1/2	4,903.67	1/2	5,257.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,152.14	3/4	4,537.96	3/4	4,911.22	3/4	5,264.87	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,160.19	10	4,545.94	10	4,918.78	10	5,272.06	10		10		10		10		10		10	
1/4	4,168.24	1/4	4,553.88	1/4	4,926.31	1/4	5,279.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,176.29	1/2	4,561.82	1/2	4,933.84	1/2	5,286.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,184.34	3/4	4,569.76	3/4	4,941.37	3/4	5,293.55	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,192.39	11	4,577.70	11	4,948.89	11	5,300.71	11		11		11		11		11		11	
1/4	4,200.43	1/4	4,585.61	1/4	4,956.39	1/4	5,307.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,208.48	1/2	4,593.52	1/2	4,963.89	1/2	5,314.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,216.53	3/4	4,601.43	3/4	4,971.39	3/4	5,322.10	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/30/2019 JS
CALCULATED: 12/31/2019 CL
NAME CHANGE: 02/18/2020 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "NGL 3052"

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-06 1/2"

Table with 17 columns representing different gauge heights (0 FT. to 9 FT.) and rows representing different levels (0 to 11) with sub-columns for fractional increments (1/4, 1/2, 3/4).

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "NGL 3052"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-06 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,606.46	0	3,876.47	0	4,143.06	0	4,395.50	0	4,629.65	0		0		0		0		0	
1/4	3,612.53	1/4	3,882.06	1/4	4,148.49	1/4	4,400.55	1/4	4,634.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,618.61	1/2	3,887.64	1/2	4,153.91	1/2	4,405.60	1/2	4,639.36	1/2		1/2		1/2		1/2		1/2	
3/4	3,624.68	3/4	3,893.23	3/4	4,159.34	3/4	4,410.65	3/4	4,644.22	3/4		3/4		3/4		3/4		3/4	
1	3,630.76	1	3,898.81	1	4,164.77	1	4,415.70	1	4,649.08	1		1		1		1		1	
1/4	3,636.34	1/4	3,904.39	1/4	4,170.16	1/4	4,420.72	1/4	4,654.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.93	1/2	3,909.98	1/2	4,175.56	1/2	4,425.74	1/2	4,659.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.51	3/4	3,915.56	3/4	4,180.96	3/4	4,430.76	3/4	4,664.90	3/4		3/4		3/4		3/4		3/4	
2	3,653.10	2	3,921.15	2	4,186.36	2	4,435.78	2	4,670.18	2		2		2		2		2	
1/4	3,658.68	1/4	3,926.73	1/4	4,191.73	1/4	4,440.78	1/4	4,675.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.26	1/2	3,932.32	1/2	4,197.09	1/2	4,445.77	1/2	4,681.15	1/2		1/2		1/2		1/2		1/2	
3/4	3,669.85	3/4	3,937.90	3/4	4,202.46	3/4	4,450.76	3/4	4,686.64	3/4		3/4		3/4		3/4		3/4	
3	3,675.43	3	3,943.48	3	4,207.83	3	4,455.75	3	4,692.12	3		3		3		3		3	
1/4	3,681.02	1/4	3,949.07	1/4	4,213.17	1/4	4,460.72	1/4	4,697.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,686.60	1/2	3,954.65	1/2	4,218.51	1/2	4,465.68	1/2	4,702.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,692.19	3/4	3,960.24	3/4	4,223.85	3/4	4,470.64	3/4	4,708.30	3/4		3/4		3/4		3/4		3/4	
4	3,697.77	4	3,965.82	4	4,229.20	4	4,475.61	4	4,713.69	4		4		4		4		4	
1/4	3,703.36	1/4	3,971.41	1/4	4,234.51	1/4	4,480.54	1/4	4,718.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,708.94	1/2	3,976.99	1/2	4,239.82	1/2	4,485.48	1/2	4,722.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,714.52	3/4	3,982.58	3/4	4,245.13	3/4	4,490.41	3/4	4,727.60	3/4		3/4		3/4		3/4		3/4	
5	3,720.11	5	3,988.16	5	4,250.44	5	4,495.35	5	4,732.23	5		5		5		5		5	
1/4	3,725.69	1/4	3,993.74	1/4	4,255.73	1/4	4,500.25	1/4	4,735.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,731.28	1/2	3,999.33	1/2	4,261.01	1/2	4,505.16	1/2	4,738.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,736.86	3/4	4,004.91	3/4	4,266.29	3/4	4,510.06	3/4	4,741.90	3/4		3/4		3/4		3/4		3/4	
6	3,742.45	6	4,010.50	6	4,271.58	6	4,514.97	6	4,745.12	6		6		6		6		6	
1/4	3,748.03	1/4	4,016.08	1/4	4,276.83	1/4	4,519.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,753.62	1/2	4,021.66	1/2	4,282.08	1/2	4,524.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.20	3/4	4,027.24	3/4	4,287.34	3/4	4,529.60	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,764.78	7	4,032.82	7	4,292.59	7	4,534.48	7		7		7		7		7		7	
1/4	3,770.37	1/4	4,038.39	1/4	4,297.82	1/4	4,539.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,775.95	1/2	4,043.95	1/2	4,303.04	1/2	4,544.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,781.54	3/4	4,049.52	3/4	4,308.27	3/4	4,549.03	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,787.12	8	4,055.09	8	4,313.50	8	4,553.87	8		8		8		8		8		8	
1/4	3,792.71	1/4	4,060.63	1/4	4,318.68	1/4	4,558.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,798.29	1/2	4,066.17	1/2	4,323.86	1/2	4,563.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,803.87	3/4	4,071.71	3/4	4,329.04	3/4	4,568.33	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,809.46	9	4,077.25	9	4,334.22	9	4,573.15	9		9		9		9		9		9	
1/4	3,815.04	1/4	4,082.76	1/4	4,339.35	1/4	4,577.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,820.63	1/2	4,088.28	1/2	4,344.49	1/2	4,582.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,826.21	3/4	4,093.79	3/4	4,349.63	3/4	4,587.43	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,831.80	10	4,099.30	10	4,354.76	10	4,592.19	10		10		10		10		10		10	
1/4	3,837.38	1/4	4,104.79	1/4	4,359.87	1/4	4,596.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,842.97	1/2	4,110.27	1/2	4,364.97	1/2	4,601.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,848.55	3/4	4,115.75	3/4	4,370.08	3/4	4,606.28	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,854.13	11	4,121.24	11	4,375.19	11	4,610.98	11		11		11		11		11		11	
1/4	3,859.72	1/4	4,126.69	1/4	4,380.27	1/4	4,615.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,865.30	1/2	4,132.15	1/2	4,385.35	1/2	4,620.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,870.89	3/4	4,137.60	3/4	4,390.42	3/4	4,624.98	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/30/2019 JS
CALCULATED: 12/31/2019 CL
NAME CHANGE: 02/18/2020 PMA

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020



BARGE "NGL 3052"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-06 1/4"

Table with 17 columns (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.) and 48 rows of capacity data.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE GAUGE POINT: (HERMETIC) LOCATED 11'-00" OFF CENTERLINE AND 45'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

Signature of Paul Stearns



BARGE "NGL 3052"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 302"

GAUGE HEIGHT 15'-06 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	3,571.01	0	3,840.52	0	4,106.63	0	4,358.69	0	4,592.56	0		0		0		0		0	
1/4	3,577.07	1/4	3,846.10	1/4	4,112.05	1/4	4,363.73	1/4	4,597.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,583.13	1/2	3,851.67	1/2	4,117.47	1/2	4,368.77	1/2	4,602.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,589.19	3/4	3,857.25	3/4	4,122.88	3/4	4,373.82	3/4	4,607.12	3/4		3/4		3/4		3/4		3/4	
1	3,595.25	1	3,862.82	1	4,128.30	1	4,378.86	1	4,611.97	1		1		1		1		1	
1/4	3,600.83	1/4	3,868.40	1/4	4,133.69	1/4	4,383.87	1/4	4,617.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,606.40	1/2	3,873.97	1/2	4,139.08	1/2	4,388.89	1/2	4,622.50	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.98	3/4	3,879.54	3/4	4,144.47	3/4	4,393.90	3/4	4,627.77	3/4		3/4		3/4		3/4		3/4	
2	3,617.55	2	3,885.12	2	4,149.86	2	4,398.92	2	4,633.03	2		2		2		2		2	
1/4	3,623.13	1/4	3,890.69	1/4	4,155.22	1/4	4,403.90	1/4	4,638.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.70	1/2	3,896.27	1/2	4,160.58	1/2	4,408.89	1/2	4,643.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,634.27	3/4	3,901.84	3/4	4,165.94	3/4	4,413.87	3/4	4,649.46	3/4		3/4		3/4		3/4		3/4	
3	3,639.85	3	3,907.42	3	4,171.30	3	4,418.86	3	4,654.94	3		3		3		3		3	
1/4	3,645.42	1/4	3,912.99	1/4	4,176.63	1/4	4,423.82	1/4	4,660.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,651.00	1/2	3,918.56	1/2	4,181.96	1/2	4,428.77	1/2	4,665.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,656.57	3/4	3,924.14	3/4	4,187.30	3/4	4,433.73	3/4	4,671.09	3/4		3/4		3/4		3/4		3/4	
4	3,662.15	4	3,929.71	4	4,192.63	4	4,438.69	4	4,676.47	4		4		4		4		4	
1/4	3,667.72	1/4	3,935.29	1/4	4,197.93	1/4	4,443.62	1/4	4,681.10	1/4		1/4		1/4		1/4		1/4	
1/2	3,673.29	1/2	3,940.86	1/2	4,203.23	1/2	4,448.55	1/2	4,685.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.87	3/4	3,946.44	3/4	4,208.54	3/4	4,453.47	3/4	4,690.36	3/4		3/4		3/4		3/4		3/4	
5	3,684.44	5	3,952.01	5	4,213.84	5	4,458.40	5	4,694.99	5		5		5		5		5	
1/4	3,690.02	1/4	3,957.58	1/4	4,219.12	1/4	4,463.30	1/4	4,698.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,695.59	1/2	3,963.16	1/2	4,224.39	1/2	4,468.20	1/2	4,701.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,701.17	3/4	3,968.73	3/4	4,229.66	3/4	4,473.10	3/4	4,704.64	3/4		3/4		3/4		3/4		3/4	
6	3,706.74	6	3,974.31	6	4,234.94	6	4,478.00	6	4,707.86	6		6		6		6		6	
1/4	3,712.31	1/4	3,979.88	1/4	4,240.19	1/4	4,482.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,717.89	1/2	3,985.45	1/2	4,245.43	1/2	4,487.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.46	3/4	3,991.02	3/4	4,250.68	3/4	4,492.62	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,729.04	7	3,996.59	7	4,255.93	7	4,497.49	7		7		7		7		7		7	
1/4	3,734.61	1/4	4,002.14	1/4	4,261.14	1/4	4,502.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,740.19	1/2	4,007.70	1/2	4,266.36	1/2	4,507.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.76	3/4	4,013.26	3/4	4,271.58	3/4	4,512.02	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,751.34	8	4,018.81	8	4,276.80	8	4,516.86	8		8		8		8		8		8	
1/4	3,756.91	1/4	4,024.34	1/4	4,281.97	1/4	4,521.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,762.48	1/2	4,029.88	1/2	4,287.14	1/2	4,526.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,768.06	3/4	4,035.41	3/4	4,292.32	3/4	4,531.31	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,773.63	9	4,040.94	9	4,297.49	9	4,536.12	9		9		9		9		9		9	
1/4	3,779.21	1/4	4,046.44	1/4	4,302.62	1/4	4,540.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,784.78	1/2	4,051.94	1/2	4,307.75	1/2	4,545.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,790.36	3/4	4,057.45	3/4	4,312.87	3/4	4,550.38	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,795.93	10	4,062.95	10	4,318.00	10	4,555.14	10		10		10		10		10		10	
1/4	3,801.50	1/4	4,068.43	1/4	4,323.10	1/4	4,559.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,807.08	1/2	4,073.90	1/2	4,328.20	1/2	4,564.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,812.65	3/4	4,079.37	3/4	4,333.30	3/4	4,569.21	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,818.23	11	4,084.85	11	4,338.40	11	4,573.90	11		11		11		11		11		11	
1/4	3,823.80	1/4	4,090.29	1/4	4,343.47	1/4	4,578.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,829.38	1/2	4,095.74	1/2	4,348.54	1/2	4,583.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,834.95	3/4	4,101.19	3/4	4,353.62	3/4	4,587.90	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/30/2019 JS
CALCULATED: 12/31/2019 CL
PRINTED: 02/18/2020 PMA

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



CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020