BARGE "NGL 3052"

ULLAGE TRIM TABLE

FORMERLY "BKF 302"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**	**BOW**	**STERN**
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 ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 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

ULLAGE 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		0		0	4,281.01	0	3,974.14	0	3,650.74	0	3,320.71	0	2,990.68	0	2,660.63	0	2,330.59	0	2,000.54
1/4		1/4	4,571.88	1/4	4,274.79	1/4	3,967.57	1/4	3,643.87	1/4	3,313.84	1/4	2,983.80	1/4	2,653.75	1/4	2,323.71	1/4	1,993.66
1/2		1/2	4,567.11	1/2	4,268.54	1/2	3,960.97	1/2	3,636.99	1/2	3,306.96	1/2	2,976.93	1/2	2,646.88	1/2	2,316.84	1/2	1,986.78
3/4		3/4	4,562.34	3/4	4,262.29	3/4	3,954.36	3/4	3,630.12	3/4	3,300.08	3/4	2,970.05	3/4	2,640.00	3/4	2,309.96	3/4	1,979.91
1		1	4,557.56	1	4,256.04	1	3,947.76	1	3,623.24	1	3,293.21	1	2,963.17	1	2,633.13	1	2,303.09	1	1,973.03
1/4		1/4	4,552.79	1/4	4,249.80	1/4	3,941.16	1/4	3,616.37	1/4	3,286.33	1/4	2,956.30	1/4	2,626.25	1/4	2,296.21	1/4	1,966.15
1/2		1/2	4,546.73	1/2	4,243.52	1/2	3,934.53	1/2	3,609.49	1/2	3,279.46	1/2	2,949.42	1/2	2,619.37	1/2	2,289.34	1/2	1,959.27
3/4		3/4	4,540.67	3/4	4,237.25	3/4	3,927.91	3/4	3,602.61	3/4	3,272.58	3/4	2,942.54	3/4	2,612.50	3/4	2,282.46	3/4	1,952.39
2		2	4,534.60	2	4,230.97	2	3,921.28	2	3,595.74	2	3,265.71	2	2,935.66	2	2,605.62	2	2,275.58	2	1,945.51
1/4		1/4	4,528.54	1/4	4,224.70	1/4	3,914.65	1/4	3,588.86	1/4	3,258.83	1/4	2,928.78	1/4	2,598.75	1/4	2,268.71	1/4	1,938.64
1/2		1/2	4,521.79	1/2	4,218.40	1/2	3,908.00	1/2	3,581.99	1/2	3,251.95	1/2	2,921.91	1/2	2,591.87	1/2	2,261.83	1/2	1,931.76
3/4		3/4	4,515.04	3/4	4,212.09	3/4	3,901.34	3/4	3,575.11	3/4	3,245.08	3/4	2,915.03	3/4	2,584.99	3/4	2,254.96	3/4	1,924.88
3		3	4,508.29	3	4,205.79	3	3,894.69	3	3,568.24	3	3,238.20	3	2,908.16	3	2,578.12	3	2,248.08	3	1,918.00
1/4		1/4	4,501.54	1/4	4,199.49	1/4	3,888.03	1/4	3,561.36	1/4	3,231.33	1/4	2,901.28	1/4	2,571.24	1/4	2,241.20	1/4	1,911.12
1/2		1/2	4,494.70	1/2	4,193.17	1/2	3,881.35	1/2	3,554.49	1/2	3,224.45	1/2	2,894.41	1/2	2,564.37	1/2	2,234.33	1/2	1,904.24
3/4		3/4	4,487.87	3/4	4,186.84	3/4	3,874.67	3/4	3,547.61	3/4	3,217.58	3/4	2,887.53	3/4	2,557.49	3/4	2,227.45	3/4	1,897.36
4		4	4,481.03	4	4,180.51	4	3,867.99	4	3,540.73	4	3,210.70	4	2,880.65	4	2,550.62	4	2,220.58	4	1,890.49
1/4		1/4	4,474.20	1/4	4,174.19	1/4	3,861.31	1/4	3,533.86	1/4	3,203.82	1/4	2,873.78	1/4	2,543.74	1/4	2,213.70	1/4	1,883.61
1/2		1/2	4,467.55	1/2	4,167.83	1/2	3,854.61	1/2	3,526.98	1/2	3,196.95	1/2	2,866.90	1/2	2,536.86	1/2	2,206.83	1/2	1,876.73
3/4		3/4	4,460.91	3/4	4,161.48	3/4	3,847.90	3/4	3,520.11	3/4	3,190.07	3/4	2,860.03	3/4	2,529.99	3/4	2,199.95	3/4	1,869.85
5		5	4,454.27	5	4,155.13	5	3,841.20	5	3,513.23	5	3,183.20	5	2,853.15	5	2,523.11	5	2,193.07	5	1,862.97
1/4		1/4	4,447.62	1/4	4,148.77	1/4	3,834.49	1/4	3,506.36	1/4	3,176.32	1/4	2,846.28	1/4	2,516.24	1/4	2,186.20	1/4	1,856.09
1/2		1/2	4,441.36	1/2	4,142.39	1/2	3,827.76	1/2	3,499.48	1/2	3,169.45	1/2	2,839.40	1/2	2,509.36	1/2	2,179.32	1/2	1,849.21
3/4		3/4	4,435.09	3/4	4,136.01	3/4	3,821.03	3/4	3,492.60	3/4	3,162.57	3/4	2,832.52	3/4	2,502.49	3/4	2,172.45	3/4	1,842.34
6		6	4,428.83	6	4,129.64	6	3,814.29	6	3,485.73	6	3,155.69	6	2,825.65	6	2,495.61	6	2,165.57	6	1,835.46
1/4		1/4	4,422.56	1/4	4,123.26	1/4	3,807.56	1/4	3,478.85	1/4	3,148.82	1/4	2,818.77	1/4	2,488.73	1/4	2,158.70	1/4	1,828.58
1/2		1/2	4,416.47	1/2	4,116.85	1/2	3,800.80	1/2	3,471.98	1/2	3,141.94	1/2	2,811.90	1/2	2,481.86	1/2	2,151.82	1/2	1,821.70
3/4		3/4	4,410.38	3/4	4,110.45	3/4	3,794.05	3/4	3,465.10	3/4	3,135.07	3/4	2,805.02	3/4	2,474.98	3/4	2,144.94	3/4	1,814.82
7		7	4,404.29	7	4,104.04	7	3,787.29	7	3,458.23	7	3,128.19	7	2,798.14	7	2,468.11	7	2,138.07	7	1,807.94
1/4		1/4	4,398.19	1/4	4,097.64	1/4	3,780.53	1/4	3,451.35	1/4	3,121.32	1/4	2,791.27	1/4	2,461.23	1/4	2,131.19	1/4	1,801.07
1/2		1/2	4,392.08	1/2	4,091.20	1/2	3,773.74	1/2	3,444.47	1/2	3,114.44	1/2	2,784.39	1/2	2,454.35	1/2	2,124.32	1/2	1,794.19
3/4		3/4	4,385.96	3/4	4,084.77	3/4	3,766.96	3/4	3,437.60	3/4	3,107.56	3/4	2,777.52	3/4	2,447.48	3/4	2,117.44	3/4	1,787.31
8		8	4,379.84	8	4,078.34	8	3,760.18	8	3,430.72	8	3,100.69	8	2,770.64	8	2,440.60	8	2,110.56	8	1,780.43
1/4		1/4	4,373.72	1/4	4,071.91	1/4	3,753.39	1/4	3,423.85	1/4	3,093.81	1/4	2,763.77	1/4	2,433.73	1/4	2,103.69	1/4	1,773.55
1/2		1/2	4,367.58	1/2	4,065.45	1/2	3,746.58	1/2	3,416.97	1/2	3,086.94	1/2	2,756.89	1/2	2,426.85	1/2	2,096.81	1/2	1,766.67
3/4		3/4	4,361.43	3/4	4,058.99	3/4	3,739.77	3/4	3,410.10	3/4	3,080.06	3/4	2,750.01	3/4	2,419.98	3/4	2,089.94	3/4	1,759.79
9		9	4,355.29	9	4,052.54	9	3,732.96	9	3,403.22	9	3,073.19	9	2,743.14	9	2,413.10	9	2,083.06	9	1,752.92
1/4		1/4	4,349.15	1/4	4,046.08	1/4	3,726.15	1/4	3,396.34	1/4	3,066.31	1/4	2,736.26	1/4	2,406.22	1/4	2,076.19	1/4	1,746.04
1/2		1/2	4,342.98	1/2	4,039.58	1/2	3,719.31	1/2	3,389.47	1/2	3,059.43	1/2	2,729.39	1/2	2,399.35	1/2	2,069.31	1/2	1,739.16
3/4		3/4	4,336.81	3/4	4,033.07	3/4	3,712.48	3/4	3,382.59	3/4	3,052.56	3/4	2,722.51	3/4	2,392.47	3/4	2,062.43	3/4	1,732.28
10		10	4,330.64	10	4,026.57	10	3,705.64	10	3,375.72	10	3,045.68	10	2,715.64	10	2,385.60	10	2,055.56	10	1,725.40
1/4		1/4	4,324.47	1/4	4,020.07	1/4	3,698.80	1/4	3,368.84	1/4	3,038.81	1/4	2,708.76	1/4	2,378.72	1/4	2,048.68	1/4	1,718.52
1/2		1/2	4,318.27	1/2	4,013.52	1/2	3,691.94	1/2	3,361.97	1/2	3,031.93	1/2	2,701.88	1/2	2,371.85	1/2	2,041.81	1/2	1,711.64
3/4		3/4	4,312.07	3/4	4,006.97	3/4	3,685.08	3/4	3,355.09	3/4	3,025.06	3/4	2,695.01	3/4	2,364.97	3/4	2,034.93	3/4	1,704.77
11		11	4,305.88	11	4,000.42	11	3,678.22	11	3,348.21	11	3,018.18	11	2,688.13	11	2,358.09	11	2,028.05	11	1,697.89
1/4		1/4	4,299.68	1/4	3,993.87	1/4	3,671.37	1/4	3,341.34	1/4	3,011.30	1/4	2,681.26	1/4	2,351.22	1/4	2,021.18	1/4	1,691.01
1/2		1/2	4,293.46	1/2	3,987.29	1/2	3,664.49	1/2	3,334.46	1/2	3,004.43	1/2	2,674.38	1/2	2,344.34	1/2	2,014.30	1/2	1,684.13
3/4		3/4	4,287.23	3/4	3,980.72	3/4	3,657.62	3/4	3,327.59	3/4	2,997.55	3/4	2,667.50	3/4	2,337.47	3/4	2,007.42	3/4	1,677.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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

BARGE "NGL 3052"

1 PORT

ULLAGE 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	1,670.37	0	1,340.21	0	1,010.33	0	694.82	0	402.58	0	132.27	0		0		0		0	
1/4	1,663.50	1/4	1,333.33	1/4	1,003.51	1/4	688.49	1/4	396.70	1/4	126.87	1/4		1/4		1/4		1/4	
1/2	1,656.62	1/2	1,326.45	1/2	996.73	1/2	682.20	1/2	390.86	1/2	121.50	1/2		1/2		1/2		1/2	
3/4	1,649.74	3/4	1,319.57	3/4	989.95	3/4	675.91	3/4	385.02	3/4	116.13	3/4		3/4		3/4		3/4	
1	1,642.86	1	1,312.69	1	983.17	1	669.62	1	379.18	1	110.76	1		1		1		1	
1/4	1,635.98	1/4	1,305.81	1/4	976.39	1/4	663.34	1/4	373.35	1/4	105.40	1/4		1/4		1/4		1/4	
1/2	1,629.10	1/2	1,298.93	1/2	969.65	1/2	657.09	1/2	367.55	1/2	100.07	1/2		1/2		1/2		1/2	
3/4	1,622.22	3/4	1,292.06	3/4	962.91	3/4	650.84	3/4	361.75	3/4	94.74	3/4		3/4		3/4		3/4	
2	1,615.35	2	1,285.18	2	956.17	2	644.59	2	355.95	2	89.41	2		2		2		2	
1/4	1,608.47	1/4	1,278.30	1/4	949.43	1/4	638.34	1/4	350.15	1/4	84.08	1/4		1/4		1/4		1/4	
1/2	1,601.59	1/2	1,271.42	1/2	942.73	1/2	632.13	1/2	344.39	1/2	78.79	1/2		1/2		1/2		1/2	
3/4	1,594.71	3/4	1,264.54	3/4	936.02	3/4	625.92	3/4	338.63	3/4	73.51	3/4		3/4		3/4		3/4	
3	1,587.83	3	1,257.66	3	929.32	3	619.72	3	332.87	3	68.22	3		3		3		3	
1/4	1,580.95	1/4	1,250.79	1/4	922.62	1/4	613.51	1/4	327.12	1/4	62.93	1/4		1/4		1/4		1/4	
1/2	1,574.07	1/2	1,243.91	1/2	915.96	1/2	607.34	1/2	321.40	1/2	57.68	1/2		1/2		1/2		1/2	
3/4	1,567.20	3/4	1,237.03	3/4	909.29	3/4	601.17	3/4	315.68	3/4	52.43	3/4		3/4		3/4		3/4	
4	1,560.32	4	1,230.15	4	902.63	4	595.00	4	309.97	4	47.18	4		4		4		4	
1/4	1,553.44	1/4	1,223.27	1/4	895.97	1/4	588.83	1/4	304.25	1/4	41.93	1/4		1/4		1/4		1/4	
1/2	1,546.56	1/2	1,216.39	1/2	889.35	1/2	582.70	1/2	298.57	1/2	37.29	1/2		1/2		1/2		1/2	
3/4	1,539.68	3/4	1,209.51	3/4	882.72	3/4	576.57	3/4	292.90	3/4	32.65	3/4		3/4		3/4		3/4	
5	1,532.80	5	1,202.64	5	876.10	5	570.44	5	287.22	5	28.02	5		5		5		5	
1/4	1,525.93	1/4	1,195.76	1/4	869.48	1/4	564.31	1/4	281.54	1/4	23.38	1/4		1/4		1/4		1/4	
1/2	1,519.05	1/2	1,188.88	1/2	862.89	1/2	558.22	1/2	275.90	1/2	20.07	1/2		1/2		1/2		1/2	
3/4	1,512.17	3/4	1,182.00	3/4	856.31	3/4	552.13	3/4	270.26	3/4	16.75	3/4		3/4		3/4		3/4	
6	1,505.29	6	1,175.12	6	849.72	6	546.04	6	264.62	6	13.44	6		6		6		6	
1/4	1,498.41	1/4	1,168.24	1/4	843.14	1/4	539.96	1/4	258.98	1/4	10.12	1/4		1/4		1/4		1/4	
1/2	1,491.53	1/2	1,161.36	1/2	836.59	1/2	533.90	1/2	253.38	1/2		1/2		1/2		1/2		1/2	
3/4	1,484.65	3/4	1,154.49	3/4	830.05	3/4	527.85	3/4	247.77	3/4		3/4		3/4		3/4		3/4	
7	1,477.78	7	1,147.61	7	823.50	7	521.80	7	242.17	7		7		7		7		7	
1/4	1,470.90	1/4	1,140.73	1/4	816.96	1/4	515.75	1/4	236.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,464.02	1/2	1,133.85	1/2	810.45	1/2	509.73	1/2	231.01	1/2		1/2		1/2		1/2		1/2	
3/4	1,457.14	3/4	1,126.97	3/4	803.95	3/4	503.71	3/4	225.44	3/4		3/4		3/4		3/4		3/4	
8	1,450.26	8	1,120.09	8	797.44	8	497.69	8	219.88	8		8		8		8		8	
1/4	1,443.38	1/4	1,113.22	1/4	790.94	1/4	491.67	1/4	214.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,436.50	1/2	1,106.34	1/2	784.47	1/2	485.68	1/2	208.79	1/2		1/2		1/2		1/2		1/2	
3/4	1,429.63	3/4	1,099.46	3/4	778.00	3/4	479.69	3/4	203.27	3/4		3/4		3/4		3/4		3/4	
9	1,422.75	9	1,092.58	9	771.54	9	473.69	9	197.74	9		9		9		9		9	
1/4	1,415.87	1/4	1,085.70	1/4	765.07	1/4	467.70	1/4	192.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,408.99	1/2	1,078.83	1/2	758.64	1/2	461.75	1/2	186.73	1/2		1/2		1/2		1/2		1/2	
3/4	1,402.11	3/4	1,071.95	3/4	752.22	3/4	455.79	3/4	181.25	3/4		3/4		3/4		3/4		3/4	
10	1,395.23	10	1,065.08	10	745.79	10	449.83	10	175.76	10		10		10		10		10	
1/4	1,388.36	1/4	1,058.21	1/4	739.36	1/4	443.88	1/4	170.28	1/4		1/4		1/4		1/4		1/4	
1/2	1,381.48	1/2	1,051.35	1/2	732.98	1/2	437.96	1/2	164.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,374.60	3/4	1,044.50	3/4	726.59	3/4	432.04	3/4	159.38	3/4		3/4		3/4		3/4		3/4	
11	1,367.72	11	1,037.65	11	720.21	11	426.13	11	153.94	11		11		11		11		11	
1/4	1,360.84	1/4	1,030.79	1/4	713.82	1/4	420.21	1/4	148.49	1/4		1/4		1/4		1/4		1/4	
1/2	1,353.96	1/2	1,023.97	1/2	707.49	1/2	414.33	1/2	143.09	1/2		1/2		1/2		1/2		1/2	
3/4	1,347.08	3/4	1,017.15	3/4	701.16	3/4	408.45	3/4	137.68	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

ULLAGE 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		0		0	4,291.73	0	3,984.83	0	3,661.31	0	3,330.85	0	3,000.38	0	2,669.90	0	2,339.42	0	2,008.93
1/4		1/4		1/4	4,285.50	1/4	3,978.25	1/4	3,654.43	1/4	3,323.96	1/4	2,993.49	1/4	2,663.01	1/4	2,332.54	1/4	2,002.05
1/2		1/2	4,576.74	1/2	4,279.27	1/2	3,971.66	1/2	3,647.55	1/2	3,317.08	1/2	2,986.61	1/2	2,656.13	1/2	2,325.65	1/2	1,995.16
3/4		3/4	4,571.96	3/4	4,273.02	3/4	3,965.05	3/4	3,640.66	3/4	3,310.19	3/4	2,979.72	3/4	2,649.24	3/4	2,318.77	3/4	1,988.27
1		1	4,567.18	1	4,266.76	1	3,958.44	1	3,633.78	1	3,303.31	1	2,972.84	1	2,642.36	1	2,311.88	1	1,981.38
1/4		1/4	4,562.40	1/4	4,260.50	1/4	3,951.83	1/4	3,626.89	1/4	3,296.42	1/4	2,965.95	1/4	2,635.47	1/4	2,305.00	1/4	1,974.50
1/2		1/2	4,557.62	1/2	4,254.25	1/2	3,945.22	1/2	3,620.01	1/2	3,289.54	1/2	2,959.07	1/2	2,628.59	1/2	2,298.11	1/2	1,967.61
3/4		3/4	4,551.55	3/4	4,247.96	3/4	3,938.58	3/4	3,613.12	3/4	3,282.65	3/4	2,952.18	3/4	2,621.70	3/4	2,291.23	3/4	1,960.72
2		2	4,545.48	2	4,241.68	2	3,931.95	2	3,606.24	2	3,275.77	2	2,945.30	2	2,614.82	2	2,284.34	2	1,953.83
1/4		1/4	4,539.41	1/4	4,235.40	1/4	3,925.31	1/4	3,599.35	1/4	3,268.88	1/4	2,938.41	1/4	2,607.93	1/4	2,277.46	1/4	1,946.95
1/2		1/2	4,533.34	1/2	4,229.12	1/2	3,918.68	1/2	3,592.47	1/2	3,262.00	1/2	2,931.52	1/2	2,601.05	1/2	2,270.57	1/2	1,940.06
3/4		3/4	4,526.59	3/4	4,222.81	3/4	3,912.01	3/4	3,585.58	3/4	3,255.11	3/4	2,924.64	3/4	2,594.16	3/4	2,263.69	3/4	1,933.17
3		3	4,519.83	3	4,216.50	3	3,905.35	3	3,578.70	3	3,248.23	3	2,917.75	3	2,587.28	3	2,256.80	3	1,926.28
1/4		1/4	4,513.07	1/4	4,210.19	1/4	3,898.69	1/4	3,571.81	1/4	3,241.34	1/4	2,910.87	1/4	2,580.39	1/4	2,249.92	1/4	1,919.40
1/2		1/2	4,506.31	1/2	4,203.88	1/2	3,892.03	1/2	3,564.93	1/2	3,234.46	1/2	2,903.98	1/2	2,573.51	1/2	2,243.03	1/2	1,912.51
3/4		3/4	4,499.46	3/4	4,197.55	3/4	3,885.34	3/4	3,558.04	3/4	3,227.57	3/4	2,897.10	3/4	2,566.62	3/4	2,236.15	3/4	1,905.62
4		4	4,492.62	4	4,191.21	4	3,878.65	4	3,551.16	4	3,220.69	4	2,890.21	4	2,559.74	4	2,229.26	4	1,898.73
1/4		1/4	4,485.77	1/4	4,184.88	1/4	3,871.96	1/4	3,544.28	1/4	3,213.80	1/4	2,883.33	1/4	2,552.85	1/4	2,222.38	1/4	1,891.85
1/2		1/2	4,478.93	1/2	4,178.54	1/2	3,865.27	1/2	3,537.39	1/2	3,206.92	1/2	2,876.44	1/2	2,545.97	1/2	2,215.49	1/2	1,884.96
3/4		3/4	4,472.28	3/4	4,172.18	3/4	3,858.56	3/4	3,530.51	3/4	3,200.04	3/4	2,869.56	3/4	2,539.08	3/4	2,208.61	3/4	1,878.07
5		5	4,465.62	5	4,165.82	5	3,851.84	5	3,523.62	5	3,193.15	5	2,862.67	5	2,532.20	5	2,201.72	5	1,871.18
1/4		1/4	4,458.97	1/4	4,159.46	1/4	3,845.13	1/4	3,516.74	1/4	3,186.27	1/4	2,855.79	1/4	2,525.31	1/4	2,194.84	1/4	1,864.30
1/2		1/2	4,452.32	1/2	4,153.10	1/2	3,838.41	1/2	3,509.85	1/2	3,179.38	1/2	2,848.90	1/2	2,518.43	1/2	2,187.95	1/2	1,857.41
3/4		3/4	4,446.05	3/4	4,146.71	3/4	3,831.67	3/4	3,502.97	3/4	3,172.50	3/4	2,842.02	3/4	2,511.54	3/4	2,181.07	3/4	1,850.52
6		6	4,439.77	6	4,140.32	6	3,824.93	6	3,496.08	6	3,165.61	6	2,835.14	6	2,504.66	6	2,174.18	6	1,843.63
1/4		1/4	4,433.50	1/4	4,133.94	1/4	3,818.19	1/4	3,489.20	1/4	3,158.73	1/4	2,828.25	1/4	2,497.77	1/4	2,167.30	1/4	1,836.75
1/2		1/2	4,427.23	1/2	4,127.55	1/2	3,811.45	1/2	3,482.31	1/2	3,151.84	1/2	2,821.37	1/2	2,490.89	1/2	2,160.41	1/2	1,829.86
3/4		3/4	4,421.13	3/4	4,121.14	3/4	3,804.68	3/4	3,475.43	3/4	3,144.96	3/4	2,814.48	3/4	2,484.01	3/4	2,153.53	3/4	1,822.97
7		7	4,415.03	7	4,114.72	7	3,797.91	7	3,468.54	7	3,138.07	7	2,807.60	7	2,477.12	7	2,146.65	7	1,816.08
1/4		1/4	4,408.93	1/4	4,108.31	1/4	3,791.15	1/4	3,461.66	1/4	3,131.19	1/4	2,800.71	1/4	2,470.24	1/4	2,139.76	1/4	1,809.20
1/2		1/2	4,402.83	1/2	4,101.90	1/2	3,784.38	1/2	3,454.77	1/2	3,124.30	1/2	2,793.83	1/2	2,463.35	1/2	2,132.88	1/2	1,802.31
3/4		3/4	4,396.71	3/4	4,095.46	3/4	3,777.59	3/4	3,447.89	3/4	3,117.42	3/4	2,786.94	3/4	2,456.47	3/4	2,125.99	3/4	1,795.42
8		8	4,390.58	8	4,089.02	8	3,770.79	8	3,441.00	8	3,110.53	8	2,780.06	8	2,449.58	8	2,119.11	8	1,788.53
1/4		1/4	4,384.45	1/4	4,082.58	1/4	3,764.00	1/4	3,434.12	1/4	3,103.65	1/4	2,773.17	1/4	2,442.70	1/4	2,112.22	1/4	1,781.65
1/2		1/2	4,378.33	1/2	4,076.14	1/2	3,757.21	1/2	3,427.23	1/2	3,096.76	1/2	2,766.29	1/2	2,435.81	1/2	2,105.34	1/2	1,774.76
3/4		3/4	4,372.18	3/4	4,069.67	3/4	3,750.39	3/4	3,420.35	3/4	3,089.88	3/4	2,759.40	3/4	2,428.93	3/4	2,098.45	3/4	1,767.87
9		9	4,366.03	9	4,063.21	9	3,743.57	9	3,413.46	9	3,082.99	9	2,752.52	9	2,422.04	9	2,091.57	9	1,760.98
1/4		1/4	4,359.87	1/4	4,056.74	1/4	3,736.75	1/4	3,406.58	1/4	3,076.11	1/4	2,745.63	1/4	2,415.16	1/4	2,084.68	1/4	1,754.10
1/2		1/2	4,353.72	1/2	4,050.28	1/2	3,729.93	1/2	3,399.69	1/2	3,069.22	1/2	2,738.75	1/2	2,408.27	1/2	2,077.80	1/2	1,747.21
3/4		3/4	4,347.54	3/4	4,043.76	3/4	3,723.08	3/4	3,392.81	3/4	3,062.34	3/4	2,731.86	3/4	2,401.39	3/4	2,070.91	3/4	1,740.32
10		10	4,341.37	10	4,037.25	10	3,716.24	10	3,385.92	10	3,055.45	10	2,724.98	10	2,394.50	10	2,064.03	10	1,733.43
1/4		1/4	4,335.19	1/4	4,030.74	1/4	3,709.39	1/4	3,379.04	1/4	3,048.57	1/4	2,718.09	1/4	2,387.62	1/4	2,057.14	1/4	1,726.55
1/2		1/2	4,329.01	1/2	4,024.23	1/2	3,702.55	1/2	3,372.16	1/2	3,041.68	1/2	2,711.21	1/2	2,380.73	1/2	2,050.26	1/2	1,719.66
3/4		3/4	4,322.81	3/4	4,017.67	3/4	3,695.68	3/4	3,365.27	3/4	3,034.80	3/4	2,704.32	3/4	2,373.85	3/4	2,043.37	3/4	1,712.77
11		11	4,316.60	11	4,011.11	11	3,688.81	11	3,358.39	11	3,027.92	11	2,697.44	11	2,366.96	11	2,036.48	11	1,705.88
1/4		1/4	4,310.40	1/4	4,004.55	1/4	3,681.94	1/4	3,351.50	1/4	3,021.03	1/4	2,690.55	1/4	2,360.08	1/4	2,029.60	1/4	1,699.00
1/2		1/2	4,304.19	1/2	3,998.00	1/2	3,675.07	1/2	3,344.62	1/2	3,014.15	1/2	2,683.67	1/2	2,353.19	1/2	2,022.71	1/2	1,692.11
3/4		3/4	4,297.96	3/4	3,991.41	3/4	3,668.19	3/4	3,337.73	3/4	3,007.26	3/4	2,676.78	3/4	2,346.31	3/4	2,015.82	3/4	1,685.22

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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

BARGE "NGL 3052"

1 STBD

ULLAGE 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	1,678.33	0	1,347.73	0	1,017.39	0	701.97	0	408.93	0	137.84	0		0		0		0	
1/4	1,671.45	1/4	1,340.85	1/4	1,010.57	1/4	695.64	1/4	403.04	1/4	132.42	1/4		1/4		1/4		1/4	
1/2	1,664.56	1/2	1,333.96	1/2	1,003.76	1/2	689.31	1/2	397.16	1/2	127.01	1/2		1/2		1/2		1/2	
3/4	1,657.67	3/4	1,327.07	3/4	996.99	3/4	683.01	3/4	391.31	3/4	121.64	3/4		3/4		3/4		3/4	
1	1,650.78	1	1,320.18	1	990.22	1	676.71	1	385.47	1	116.26	1		1		1		1	
1/4	1,643.90	1/4	1,313.30	1/4	983.45	1/4	670.42	1/4	379.62	1/4	110.89	1/4		1/4		1/4		1/4	
1/2	1,637.01	1/2	1,306.41	1/2	976.68	1/2	664.12	1/2	373.78	1/2	105.52	1/2		1/2		1/2		1/2	
3/4	1,630.12	3/4	1,299.52	3/4	969.96	3/4	657.87	3/4	367.97	3/4	100.18	3/4		3/4		3/4		3/4	
2	1,623.23	2	1,292.63	2	963.23	2	651.61	2	362.17	2	94.85	2		2		2		2	
1/4	1,616.35	1/4	1,285.75	1/4	956.50	1/4	645.36	1/4	356.36	1/4	89.51	1/4		1/4		1/4		1/4	
1/2	1,609.46	1/2	1,278.86	1/2	949.77	1/2	639.10	1/2	350.55	1/2	84.18	1/2		1/2		1/2		1/2	
3/4	1,602.57	3/4	1,271.97	3/4	943.08	3/4	632.88	3/4	344.79	3/4	78.88	3/4		3/4		3/4		3/4	
3	1,595.68	3	1,265.08	3	936.39	3	626.67	3	339.02	3	73.59	3		3		3		3	
1/4	1,588.80	1/4	1,258.20	1/4	929.70	1/4	620.45	1/4	333.26	1/4	68.30	1/4		1/4		1/4		1/4	
1/2	1,581.91	1/2	1,251.31	1/2	923.01	1/2	614.23	1/2	327.49	1/2	63.00	1/2		1/2		1/2		1/2	
3/4	1,575.02	3/4	1,244.42	3/4	916.36	3/4	608.05	3/4	321.77	3/4	57.74	3/4		3/4		3/4		3/4	
4	1,568.13	4	1,237.53	4	909.71	4	601.88	4	316.05	4	52.49	4		4		4		4	
1/4	1,561.25	1/4	1,230.65	1/4	903.06	1/4	595.70	1/4	310.32	1/4	47.23	1/4		1/4		1/4		1/4	
1/2	1,554.36	1/2	1,223.76	1/2	896.41	1/2	589.52	1/2	304.60	1/2	41.98	1/2		1/2		1/2		1/2	
3/4	1,547.47	3/4	1,216.87	3/4	889.80	3/4	583.38	3/4	298.92	3/4	37.34	3/4		3/4		3/4		3/4	
5	1,540.58	5	1,209.98	5	883.19	5	577.25	5	293.23	5	32.69	5		5		5		5	
1/4	1,533.70	1/4	1,203.10	1/4	876.58	1/4	571.11	1/4	287.55	1/4	28.05	1/4		1/4		1/4		1/4	
1/2	1,526.81	1/2	1,196.21	1/2	869.97	1/2	564.97	1/2	281.87	1/2	23.41	1/2		1/2		1/2		1/2	
3/4	1,519.92	3/4	1,189.32	3/4	863.40	3/4	558.88	3/4	276.22	3/4	20.09	3/4		3/4		3/4		3/4	
6	1,513.03	6	1,182.43	6	856.83	6	552.78	6	270.57	6	16.77	6		6		6		6	
1/4	1,506.15	1/4	1,175.55	1/4	850.26	1/4	546.69	1/4	264.92	1/4	13.45	1/4		1/4		1/4		1/4	
1/2	1,499.26	1/2	1,168.66	1/2	843.69	1/2	540.59	1/2	259.28	1/2	10.14	1/2		1/2		1/2		1/2	
3/4	1,492.37	3/4	1,161.77	3/4	837.15	3/4	534.53	3/4	253.67	3/4		3/4		3/4		3/4		3/4	
7	1,485.48	7	1,154.88	7	830.62	7	528.47	7	248.06	7		7		7		7		7	
1/4	1,478.60	1/4	1,148.00	1/4	824.09	1/4	522.42	1/4	242.45	1/4		1/4		1/4		1/4		1/4	
1/2	1,471.71	1/2	1,141.11	1/2	817.56	1/2	516.36	1/2	236.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,464.82	3/4	1,134.22	3/4	811.07	3/4	510.33	3/4	231.27	3/4		3/4		3/4		3/4		3/4	
8	1,457.93	8	1,127.33	8	804.57	8	504.30	8	225.70	8		8		8		8		8	
1/4	1,451.05	1/4	1,120.45	1/4	798.08	1/4	498.27	1/4	220.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,444.16	1/2	1,113.56	1/2	791.59	1/2	492.25	1/2	214.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,437.27	3/4	1,106.67	3/4	785.13	3/4	486.25	3/4	209.03	3/4		3/4		3/4		3/4		3/4	
9	1,430.38	9	1,099.78	9	778.68	9	480.25	9	203.50	9		9		9		9		9	
1/4	1,423.50	1/4	1,092.90	1/4	772.23	1/4	474.25	1/4	197.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,416.61	1/2	1,086.01	1/2	765.77	1/2	468.25	1/2	192.44	1/2		1/2		1/2		1/2		1/2	
3/4	1,409.72	3/4	1,079.13	3/4	759.36	3/4	462.28	3/4	186.94	3/4		3/4		3/4		3/4		3/4	
10	1,402.83	10	1,072.24	10	752.95	10	456.32	10	181.45	10		10		10		10		10	
1/4	1,395.95	1/4	1,065.36	1/4	746.53	1/4	450.36	1/4	175.96	1/4		1/4		1/4		1/4		1/4	
1/2	1,389.06	1/2	1,058.48	1/2	740.12	1/2	444.39	1/2	170.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,382.17	3/4	1,051.62	3/4	733.75	3/4	438.47	3/4	165.02	3/4		3/4		3/4		3/4		3/4	
11	1,375.28	11	1,044.75	11	727.38	11	432.55	11	159.57	11		11		11		11		11	
1/4	1,368.40	1/4	1,037.89	1/4	721.00	1/4	426.62	1/4	154.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,361.51	1/2	1,031.03	1/2	714.63	1/2	420.70	1/2	148.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,354.62	3/4	1,024.21	3/4	708.30	3/4	414.81	3/4	143.25	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

ULLAGE 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		0	5,567.17	0	5,217.07	0	4,855.03	0	4,473.56	0	4,084.61	0	3,695.65	0	3,306.69	0	2,917.73	0	2,528.74
1/4		1/4	5,561.55	1/4	5,209.71	1/4	4,847.25	1/4	4,465.46	1/4	4,076.50	1/4	3,687.55	1/4	3,298.59	1/4	2,909.63	1/4	2,520.63
1/2		1/2	5,555.92	1/2	5,202.34	1/2	4,839.47	1/2	4,457.35	1/2	4,068.40	1/2	3,679.45	1/2	3,290.48	1/2	2,901.52	1/2	2,512.53
3/4		3/4	5,550.30	3/4	5,194.98	3/4	4,831.69	3/4	4,449.25	3/4	4,060.30	3/4	3,671.34	3/4	3,282.38	3/4	2,893.42	3/4	2,504.42
1		1	5,544.67	1	5,187.62	1	4,823.91	1	4,441.15	1	4,052.19	1	3,663.24	1	3,274.28	1	2,885.32	1	2,496.32
1/4		1/4	5,537.53	1/4	5,180.22	1/4	4,816.10	1/4	4,433.04	1/4	4,044.09	1/4	3,655.14	1/4	3,266.17	1/4	2,877.21	1/4	2,488.21
1/2		1/2	5,530.38	1/2	5,172.83	1/2	4,808.29	1/2	4,424.94	1/2	4,035.99	1/2	3,647.03	1/2	3,258.07	1/2	2,869.11	1/2	2,480.10
3/4		3/4	5,523.24	3/4	5,165.44	3/4	4,800.48	3/4	4,416.84	3/4	4,027.88	3/4	3,638.93	3/4	3,249.97	3/4	2,861.01	3/4	2,472.00
2		2	5,516.09	2	5,158.04	2	4,792.67	2	4,408.73	2	4,019.78	2	3,630.82	2	3,241.86	2	2,852.90	2	2,463.89
1/4		1/4	5,508.14	1/4	5,150.62	1/4	4,784.83	1/4	4,400.63	1/4	4,011.68	1/4	3,622.72	1/4	3,233.76	1/4	2,844.80	1/4	2,455.78
1/2		1/2	5,500.18	1/2	5,143.19	1/2	4,776.99	1/2	4,392.53	1/2	4,003.57	1/2	3,614.62	1/2	3,225.66	1/2	2,836.70	1/2	2,447.68
3/4		3/4	5,492.23	3/4	5,135.77	3/4	4,769.15	3/4	4,384.42	3/4	3,995.47	3/4	3,606.51	3/4	3,217.55	3/4	2,828.59	3/4	2,439.57
3		3	5,484.27	3	5,128.34	3	4,761.31	3	4,376.32	3	3,987.37	3	3,598.41	3	3,209.45	3	2,820.49	3	2,431.46
1/4		1/4	5,476.22	1/4	5,120.89	1/4	4,753.43	1/4	4,368.22	1/4	3,979.26	1/4	3,590.31	1/4	3,201.35	1/4	2,812.39	1/4	2,423.36
1/2		1/2	5,468.16	1/2	5,113.43	1/2	4,745.56	1/2	4,360.11	1/2	3,971.16	1/2	3,582.20	1/2	3,193.24	1/2	2,804.28	1/2	2,415.25
3/4		3/4	5,460.11	3/4	5,105.98	3/4	4,737.69	3/4	4,352.01	3/4	3,963.06	3/4	3,574.10	3/4	3,185.14	3/4	2,796.18	3/4	2,407.15
4		4	5,452.05	4	5,098.52	4	4,729.82	4	4,343.91	4	3,954.95	4	3,566.00	4	3,177.04	4	2,788.08	4	2,399.04
1/4		1/4	5,444.22	1/4	5,091.03	1/4	4,721.91	1/4	4,335.81	1/4	3,946.85	1/4	3,557.89	1/4	3,168.93	1/4	2,779.98	1/4	2,390.93
1/2		1/2	5,436.39	1/2	5,083.55	1/2	4,714.01	1/2	4,327.70	1/2	3,938.75	1/2	3,549.79	1/2	3,160.83	1/2	2,771.87	1/2	2,382.83
3/4		3/4	5,428.56	3/4	5,076.06	3/4	4,706.11	3/4	4,319.60	3/4	3,930.65	3/4	3,541.69	3/4	3,152.73	3/4	2,763.77	3/4	2,374.72
5		5	5,420.73	5	5,068.57	5	4,698.20	5	4,311.50	5	3,922.54	5	3,533.58	5	3,144.62	5	2,755.67	5	2,366.61
1/4		1/4	5,413.35	1/4	5,061.06	1/4	4,690.27	1/4	4,303.39	1/4	3,914.44	1/4	3,525.48	1/4	3,136.52	1/4	2,747.56	1/4	2,358.51
1/2		1/2	5,405.97	1/2	5,053.54	1/2	4,682.34	1/2	4,295.29	1/2	3,906.34	1/2	3,517.38	1/2	3,128.42	1/2	2,739.46	1/2	2,350.40
3/4		3/4	5,398.59	3/4	5,046.02	3/4	4,674.40	3/4	4,287.19	3/4	3,898.23	3/4	3,509.27	3/4	3,120.31	3/4	2,731.36	3/4	2,342.29
6		6	5,391.20	6	5,038.51	6	4,666.47	6	4,279.08	6	3,890.13	6	3,501.17	6	3,112.21	6	2,723.25	6	2,334.19
1/4		1/4	5,384.02	1/4	5,030.96	1/4	4,658.50	1/4	4,270.98	1/4	3,882.03	1/4	3,493.07	1/4	3,104.11	1/4	2,715.15	1/4	2,326.08
1/2		1/2	5,376.85	1/2	5,023.41	1/2	4,650.54	1/2	4,262.88	1/2	3,873.92	1/2	3,484.96	1/2	3,096.00	1/2	2,707.05	1/2	2,317.97
3/4		3/4	5,369.67	3/4	5,015.86	3/4	4,642.57	3/4	4,254.77	3/4	3,865.82	3/4	3,476.86	3/4	3,087.90	3/4	2,698.94	3/4	2,309.87
7		7	5,362.49	7	5,008.31	7	4,634.61	7	4,246.67	7	3,857.72	7	3,468.76	7	3,079.80	7	2,690.84	7	2,301.76
1/4		1/4	5,355.28	1/4	5,000.73	1/4	4,626.61	1/4	4,238.57	1/4	3,849.61	1/4	3,460.65	1/4	3,071.69	1/4	2,682.74	1/4	2,293.66
1/2		1/2	5,348.07	1/2	4,993.16	1/2	4,618.62	1/2	4,230.46	1/2	3,841.51	1/2	3,452.55	1/2	3,063.59	1/2	2,674.63	1/2	2,285.55
3/4		3/4	5,340.86	3/4	4,985.58	3/4	4,610.62	3/4	4,222.36	3/4	3,833.41	3/4	3,444.45	3/4	3,055.49	3/4	2,666.53	3/4	2,277.44
8		8	5,333.65	8	4,978.00	8	4,602.63	8	4,214.26	8	3,825.30	8	3,436.34	8	3,047.38	8	2,658.43	8	2,269.34
1/4		1/4	5,326.41	1/4	4,970.39	1/4	4,594.60	1/4	4,206.15	1/4	3,817.20	1/4	3,428.24	1/4	3,039.28	1/4	2,650.32	1/4	2,261.23
1/2		1/2	5,319.17	1/2	4,962.78	1/2	4,586.57	1/2	4,198.05	1/2	3,809.10	1/2	3,420.14	1/2	3,031.18	1/2	2,642.22	1/2	2,253.12
3/4		3/4	5,311.93	3/4	4,955.17	3/4	4,578.55	3/4	4,189.95	3/4	3,800.99	3/4	3,412.03	3/4	3,023.07	3/4	2,634.12	3/4	2,245.02
9		9	5,304.69	9	4,947.56	9	4,570.52	9	4,181.84	9	3,792.89	9	3,403.93	9	3,014.97	9	2,626.01	9	2,236.91
1/4		1/4	5,297.42	1/4	4,939.90	1/4	4,562.47	1/4	4,173.74	1/4	3,784.79	1/4	3,395.83	1/4	3,006.87	1/4	2,617.91	1/4	2,228.80
1/2		1/2	5,290.15	1/2	4,932.23	1/2	4,554.41	1/2	4,165.64	1/2	3,776.68	1/2	3,387.72	1/2	2,998.76	1/2	2,609.81	1/2	2,220.70
3/4		3/4	5,282.88	3/4	4,924.57	3/4	4,546.35	3/4	4,157.53	3/4	3,768.58	3/4	3,379.62	3/4	2,990.66	3/4	2,601.70	3/4	2,212.59
10		10	5,275.61	10	4,916.90	10	4,538.29	10	4,149.43	10	3,760.48	10	3,371.52	10	2,982.56	10	2,593.60	10	2,204.49
1/4		1/4	5,268.31	1/4	4,909.19	1/4	4,530.21	1/4	4,141.33	1/4	3,752.37	1/4	3,363.41	1/4	2,974.45	1/4	2,585.49	1/4	2,196.38
1/2		1/2	5,261.00	1/2	4,901.47	1/2	4,522.13	1/2	4,133.23	1/2	3,744.27	1/2	3,355.31	1/2	2,966.35	1/2	2,577.38	1/2	2,188.27
3/4		3/4	5,253.70	3/4	4,893.75	3/4	4,514.04	3/4	4,125.12	3/4	3,736.17	3/4	3,347.21	3/4	2,958.25	3/4	2,569.27	3/4	2,180.17
11		11	5,246.40	11	4,886.03	11	4,505.96	11	4,117.02	11	3,728.07	11	3,339.10	11	2,950.14	11	2,561.17	11	2,172.06
1/4		1/4	5,239.07	1/4	4,878.28	1/4	4,497.86	1/4	4,108.92	1/4	3,719.96	1/4	3,331.00	1/4	2,942.04	1/4	2,553.06	1/4	2,163.95
1/2		1/2	5,231.74	1/2	4,870.53	1/2	4,489.76	1/2	4,100.81	1/2	3,711.86	1/2	3,322.90	1/2	2,933.94	1/2	2,544.95	1/2	2,155.85
3/4		3/4	5,224.40	3/4	4,862.78	3/4	4,481.66	3/4	4,092.71	3/4	3,703.76	3/4	3,314.79	3/4	2,925.83	3/4	2,536.85	3/4	2,147.74

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO 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 PORT
ULLAGE 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	2,139.63	0	1,750.53	0	1,361.42	0	972.38	0	583.98	0	194.92	0		0		0		0	
1/4	2,131.53	1/4	1,742.42	1/4	1,353.31	1/4	964.30	1/4	575.87	1/4	186.81	1/4		1/4		1/4		1/4	
1/2	2,123.42	1/2	1,734.31	1/2	1,345.21	1/2	956.21	1/2	567.77	1/2	178.70	1/2		1/2		1/2		1/2	
3/4	2,115.31	3/4	1,726.21	3/4	1,337.10	3/4	948.13	3/4	559.66	3/4	170.60	3/4		3/4		3/4		3/4	
1	2,107.21	1	1,718.10	1	1,328.99	1	940.04	1	551.55	1	162.49	1		1		1		1	
1/4	2,099.10	1/4	1,709.99	1/4	1,320.89	1/4	931.96	1/4	543.45	1/4	154.38	1/4		1/4		1/4		1/4	
1/2	2,091.00	1/2	1,701.89	1/2	1,312.78	1/2	923.87	1/2	535.34	1/2	146.28	1/2		1/2		1/2		1/2	
3/4	2,082.89	3/4	1,693.78	3/4	1,304.67	3/4	915.79	3/4	527.23	3/4	138.17	3/4		3/4		3/4		3/4	
2	2,074.78	2	1,685.68	2	1,296.57	2	907.71	2	519.13	2	130.06	2		2		2		2	
1/4	2,066.68	1/4	1,677.57	1/4	1,288.46	1/4	899.62	1/4	511.02	1/4	121.96	1/4		1/4		1/4		1/4	
1/2	2,058.57	1/2	1,669.46	1/2	1,280.36	1/2	891.54	1/2	502.92	1/2	113.85	1/2		1/2		1/2		1/2	
3/4	2,050.46	3/4	1,661.36	3/4	1,272.25	3/4	883.45	3/4	494.81	3/4	105.75	3/4		3/4		3/4		3/4	
3	2,042.36	3	1,653.25	3	1,264.14	3	875.37	3	486.71	3	97.64	3		3		3		3	
1/4	2,034.25	1/4	1,645.14	1/4	1,256.04	1/4	867.28	1/4	478.60	1/4	89.53	1/4		1/4		1/4		1/4	
1/2	2,026.14	1/2	1,637.04	1/2	1,247.93	1/2	859.20	1/2	470.50	1/2	81.43	1/2		1/2		1/2		1/2	
3/4	2,018.04	3/4	1,628.93	3/4	1,239.82	3/4	851.11	3/4	462.40	3/4	73.32	3/4		3/4		3/4		3/4	
4	2,009.93	4	1,620.82	4	1,231.72	4	843.03	4	454.30	4	65.21	4		4		4		4	
1/4	2,001.83	1/4	1,612.72	1/4	1,223.61	1/4	834.95	1/4	446.20	1/4	57.78	1/4		1/4		1/4		1/4	
1/2	1,993.72	1/2	1,604.61	1/2	1,215.50	1/2	826.86	1/2	438.10	1/2	50.35	1/2		1/2		1/2		1/2	
3/4	1,985.61	3/4	1,596.51	3/4	1,207.40	3/4	818.78	3/4	429.99	3/4	42.92	3/4		3/4		3/4		3/4	
5	1,977.51	5	1,588.40	5	1,199.29	5	810.70	5	421.89	5	35.49	5		5		5		5	
1/4	1,969.40	1/4	1,580.29	1/4	1,191.19	1/4	802.61	1/4	413.79	1/4	30.09	1/4		1/4		1/4		1/4	
1/2	1,961.29	1/2	1,572.19	1/2	1,183.08	1/2	794.53	1/2	405.68	1/2	24.68	1/2		1/2		1/2		1/2	
3/4	1,953.19	3/4	1,564.08	3/4	1,174.97	3/4	786.45	3/4	397.58	3/4	19.28	3/4		3/4		3/4		3/4	
6	1,945.08	6	1,555.97	6	1,166.87	6	778.37	6	389.47	6	13.87	6		6		6		6	
1/4	1,936.97	1/4	1,547.87	1/4	1,158.76	1/4	770.29	1/4	381.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,928.87	1/2	1,539.76	1/2	1,150.65	1/2	762.20	1/2	373.26	1/2		1/2		1/2		1/2		1/2	
3/4	1,920.76	3/4	1,531.65	3/4	1,142.55	3/4	754.12	3/4	365.15	3/4		3/4		3/4		3/4		3/4	
7	1,912.65	7	1,523.55	7	1,134.44	7	746.04	7	357.04	7		7		7		7		7	
1/4	1,904.55	1/4	1,515.44	1/4	1,126.33	1/4	737.94	1/4	348.94	1/4		1/4		1/4		1/4		1/4	
1/2	1,896.44	1/2	1,507.33	1/2	1,118.23	1/2	729.85	1/2	340.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,888.34	3/4	1,499.23	3/4	1,110.12	3/4	721.76	3/4	332.72	3/4		3/4		3/4		3/4		3/4	
8	1,880.23	8	1,491.12	8	1,102.01	8	713.67	8	324.62	8		8		8		8		8	
1/4	1,872.12	1/4	1,483.02	1/4	1,093.91	1/4	705.56	1/4	316.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,864.02	1/2	1,474.91	1/2	1,085.80	1/2	697.46	1/2	308.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,855.91	3/4	1,466.80	3/4	1,077.70	3/4	689.36	3/4	300.30	3/4		3/4		3/4		3/4		3/4	
9	1,847.80	9	1,458.70	9	1,069.59	9	681.25	9	292.19	9		9		9		9		9	
1/4	1,839.70	1/4	1,450.59	1/4	1,061.48	1/4	673.15	1/4	284.09	1/4		1/4		1/4		1/4		1/4	
1/2	1,831.59	1/2	1,442.48	1/2	1,053.38	1/2	665.04	1/2	275.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,823.48	3/4	1,434.38	3/4	1,045.27	3/4	656.94	3/4	267.87	3/4		3/4		3/4		3/4		3/4	
10	1,815.38	10	1,426.27	10	1,037.16	10	648.83	10	259.77	10		10		10		10		10	
1/4	1,807.27	1/4	1,418.16	1/4	1,029.06	1/4	640.72	1/4	251.66	1/4		1/4		1/4		1/4		1/4	
1/2	1,799.17	1/2	1,410.06	1/2	1,020.96	1/2	632.62	1/2	243.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,791.06	3/4	1,401.95	3/4	1,012.85	3/4	624.51	3/4	235.45	3/4		3/4		3/4		3/4		3/4	
11	1,782.95	11	1,393.85	11	1,004.75	11	616.40	11	227.34	11		11		11		11		11	
1/4	1,774.85	1/4	1,385.74	1/4	996.66	1/4	608.30	1/4	219.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,766.74	1/2	1,377.63	1/2	988.57	1/2	600.19	1/2	211.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,758.63	3/4	1,369.53	3/4	980.47	3/4	592.08	3/4	203.02	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

ULLAGE 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		0		0	5,178.11	0	4,819.74	0	4,441.88	0	4,055.57	0	3,669.24	0	3,282.91	0	2,896.57	0	2,510.23
1/4		1/4		1/4	5,170.83	1/4	4,812.04	1/4	4,433.84	1/4	4,047.52	1/4	3,661.19	1/4	3,274.86	1/4	2,888.53	1/4	2,502.18
1/2		1/2		1/2	5,163.55	1/2	4,804.34	1/2	4,425.79	1/2	4,039.47	1/2	3,653.14	1/2	3,266.81	1/2	2,880.48	1/2	2,494.13
3/4		3/4	5,504.01	3/4	5,156.26	3/4	4,796.65	3/4	4,417.75	3/4	4,031.42	3/4	3,645.09	3/4	3,258.76	3/4	2,872.43	3/4	2,486.08
1		1	5,498.42	1	5,148.95	1	4,788.92	1	4,409.70	1	4,023.37	1	3,637.04	1	3,250.71	1	2,864.38	1	2,478.03
1/4		1/4	5,492.84	1/4	5,141.63	1/4	4,781.19	1/4	4,401.65	1/4	4,015.32	1/4	3,629.00	1/4	3,242.66	1/4	2,856.33	1/4	2,469.97
1/2		1/2	5,487.25	1/2	5,134.32	1/2	4,773.46	1/2	4,393.60	1/2	4,007.27	1/2	3,620.95	1/2	3,234.62	1/2	2,848.28	1/2	2,461.92
3/4		3/4	5,481.67	3/4	5,127.00	3/4	4,765.74	3/4	4,385.55	3/4	3,999.23	3/4	3,612.90	3/4	3,226.57	3/4	2,840.23	3/4	2,453.87
2		2	5,474.57	2	5,119.66	2	4,757.98	2	4,377.51	2	3,991.18	2	3,604.85	2	3,218.52	2	2,832.19	2	2,445.82
1/4		1/4	5,467.47	1/4	5,112.32	1/4	4,750.22	1/4	4,369.46	1/4	3,983.13	1/4	3,596.80	1/4	3,210.47	1/4	2,824.14	1/4	2,437.77
1/2		1/2	5,460.38	1/2	5,104.97	1/2	4,742.46	1/2	4,361.41	1/2	3,975.08	1/2	3,588.75	1/2	3,202.42	1/2	2,816.09	1/2	2,429.72
3/4		3/4	5,453.28	3/4	5,097.63	3/4	4,734.70	3/4	4,353.36	3/4	3,967.03	3/4	3,580.71	3/4	3,194.37	3/4	2,808.04	3/4	2,421.66
3		3	5,445.38	3	5,090.25	3	4,726.91	3	4,345.31	3	3,958.98	3	3,572.66	3	3,186.32	3	2,799.99	3	2,413.61
1/4		1/4	5,437.48	1/4	5,082.88	1/4	4,719.13	1/4	4,337.26	1/4	3,950.94	1/4	3,564.61	1/4	3,178.28	1/4	2,791.94	1/4	2,405.56
1/2		1/2	5,429.58	1/2	5,075.50	1/2	4,711.34	1/2	4,329.21	1/2	3,942.89	1/2	3,556.56	1/2	3,170.23	1/2	2,783.89	1/2	2,397.51
3/4		3/4	5,421.68	3/4	5,068.13	3/4	4,703.55	3/4	4,321.17	3/4	3,934.84	3/4	3,548.51	3/4	3,162.18	3/4	2,775.85	3/4	2,389.46
4		4	5,413.68	4	5,060.72	4	4,695.73	4	4,313.12	4	3,926.79	4	3,540.46	4	3,154.13	4	2,767.80	4	2,381.41
1/4		1/4	5,405.68	1/4	5,053.31	1/4	4,687.91	1/4	4,305.07	1/4	3,918.74	1/4	3,532.41	1/4	3,146.08	1/4	2,759.75	1/4	2,373.35
1/2		1/2	5,397.68	1/2	5,045.91	1/2	4,680.09	1/2	4,297.02	1/2	3,910.69	1/2	3,524.37	1/2	3,138.03	1/2	2,751.70	1/2	2,365.30
3/4		3/4	5,389.67	3/4	5,038.50	3/4	4,672.27	3/4	4,288.97	3/4	3,902.64	3/4	3,516.32	3/4	3,129.98	3/4	2,743.65	3/4	2,357.25
5		5	5,381.90	5	5,031.07	5	4,664.42	5	4,280.92	5	3,894.60	5	3,508.27	5	3,121.94	5	2,735.60	5	2,349.20
1/4		1/4	5,374.12	1/4	5,023.63	1/4	4,656.57	1/4	4,272.87	1/4	3,886.55	1/4	3,500.22	1/4	3,113.89	1/4	2,727.55	1/4	2,341.15
1/2		1/2	5,366.34	1/2	5,016.19	1/2	4,648.72	1/2	4,264.83	1/2	3,878.50	1/2	3,492.17	1/2	3,105.84	1/2	2,719.50	1/2	2,333.10
3/4		3/4	5,358.57	3/4	5,008.76	3/4	4,640.87	3/4	4,256.78	3/4	3,870.45	3/4	3,484.12	3/4	3,097.79	3/4	2,711.46	3/4	2,325.04
6		6	5,351.24	6	5,001.29	6	4,632.99	6	4,248.73	6	3,862.40	6	3,476.07	6	3,089.74	6	2,703.41	6	2,316.99
1/4		1/4	5,343.90	1/4	4,993.82	1/4	4,625.11	1/4	4,240.68	1/4	3,854.35	1/4	3,468.02	1/4	3,081.69	1/4	2,695.36	1/4	2,308.94
1/2		1/2	5,336.57	1/2	4,986.36	1/2	4,617.23	1/2	4,232.63	1/2	3,846.30	1/2	3,459.98	1/2	3,073.64	1/2	2,687.31	1/2	2,300.89
3/4		3/4	5,329.24	3/4	4,978.89	3/4	4,609.35	3/4	4,224.58	3/4	3,838.26	3/4	3,451.93	3/4	3,065.59	3/4	2,679.26	3/4	2,292.84
7		7	5,322.10	7	4,971.39	7	4,601.44	7	4,216.54	7	3,830.21	7	3,443.88	7	3,057.55	7	2,671.21	7	2,284.79
1/4		1/4	5,314.97	1/4	4,963.89	1/4	4,593.53	1/4	4,208.49	1/4	3,822.16	1/4	3,435.83	1/4	3,049.50	1/4	2,663.16	1/4	2,276.73
1/2		1/2	5,307.84	1/2	4,956.40	1/2	4,585.62	1/2	4,200.44	1/2	3,814.11	1/2	3,427.78	1/2	3,041.45	1/2	2,655.12	1/2	2,268.68
3/4		3/4	5,300.71	3/4	4,948.90	3/4	4,577.71	3/4	4,192.39	3/4	3,806.06	3/4	3,419.73	3/4	3,033.40	3/4	2,647.07	3/4	2,260.63
8		8	5,293.55	8	4,941.37	8	4,569.76	8	4,184.34	8	3,798.01	8	3,411.68	8	3,025.35	8	2,639.02	8	2,252.58
1/4		1/4	5,286.39	1/4	4,933.84	1/4	4,561.82	1/4	4,176.29	1/4	3,789.97	1/4	3,403.64	1/4	3,017.30	1/4	2,630.97	1/4	2,244.53
1/2		1/2	5,279.23	1/2	4,926.31	1/2	4,553.88	1/2	4,168.24	1/2	3,781.92	1/2	3,395.59	1/2	3,009.25	1/2	2,622.92	1/2	2,236.48
3/4		3/4	5,272.07	3/4	4,918.79	3/4	4,545.94	3/4	4,160.20	3/4	3,773.87	3/4	3,387.54	3/4	3,001.21	3/4	2,614.87	3/4	2,228.42
9		9	5,264.87	9	4,911.23	9	4,537.97	9	4,152.15	9	3,765.82	9	3,379.49	9	2,993.16	9	2,606.82	9	2,220.37
1/4		1/4	5,257.68	1/4	4,903.67	1/4	4,530.00	1/4	4,144.10	1/4	3,757.77	1/4	3,371.44	1/4	2,985.11	1/4	2,598.78	1/4	2,212.32
1/2		1/2	5,250.49	1/2	4,896.11	1/2	4,522.02	1/2	4,136.05	1/2	3,749.72	1/2	3,363.39	1/2	2,977.06	1/2	2,590.73	1/2	2,204.27
3/4		3/4	5,243.30	3/4	4,888.55	3/4	4,514.05	3/4	4,128.00	3/4	3,741.67	3/4	3,355.34	3/4	2,969.01	3/4	2,582.68	3/4	2,196.22
10		10	5,236.08	10	4,880.94	10	4,506.05	10	4,119.95	10	3,733.63	10	3,347.30	10	2,960.96	10	2,574.63	10	2,188.17
1/4		1/4	5,228.85	1/4	4,873.33	1/4	4,498.05	1/4	4,111.91	1/4	3,725.58	1/4	3,339.25	1/4	2,952.91	1/4	2,566.58	1/4	2,180.11
1/2		1/2	5,221.63	1/2	4,865.71	1/2	4,490.04	1/2	4,103.86	1/2	3,717.53	1/2	3,331.20	1/2	2,944.87	1/2	2,558.53	1/2	2,172.06
3/4		3/4	5,214.41	3/4	4,858.10	3/4	4,482.04	3/4	4,095.81	3/4	3,709.48	3/4	3,323.15	3/4	2,936.82	3/4	2,550.48	3/4	2,164.01
11		11	5,207.16	11	4,850.44	11	4,474.01	11	4,087.76	11	3,701.43	11	3,315.10	11	2,928.77	11	2,542.43	11	2,155.96
1/4		1/4	5,199.90	1/4	4,842.77	1/4	4,465.98	1/4	4,079.71	1/4	3,693.38	1/4	3,307.05	1/4	2,920.72	1/4	2,534.38	1/4	2,147.91
1/2		1/2	5,192.65	1/2	4,835.10	1/2	4,457.95	1/2	4,071.66	1/2	3,685.33	1/2	3,299.00	1/2	2,912.67	1/2	2,526.33	1/2	2,139.85
3/4		3/4	5,185.40	3/4	4,827.44	3/4	4,449.92	3/4	4,063.61	3/4	3,677.29	3/4	3,290.96	3/4	2,904.62	3/4	2,518.28	3/4	2,131.80

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

ULLAGE 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	2,123.75	0	1,737.27	0	1,350.79	0	977.44	0	604.19	0	217.76	0		0		0		0	
1/4	2,115.70	1/4	1,729.22	1/4	1,342.74	1/4	969.71	1/4	596.14	1/4	209.71	1/4		1/4		1/4		1/4	
1/2	2,107.65	1/2	1,721.17	1/2	1,334.68	1/2	961.97	1/2	588.09	1/2	201.66	1/2		1/2		1/2		1/2	
3/4	2,099.60	3/4	1,713.11	3/4	1,326.63	3/4	954.24	3/4	580.04	3/4	193.61	3/4		3/4		3/4		3/4	
1	2,091.54	1	1,705.06	1	1,318.73	1	946.51	1	571.99	1	185.55	1		1		1		1	
1/4	2,083.49	1/4	1,697.01	1/4	1,310.84	1/4	938.79	1/4	563.94	1/4	177.50	1/4		1/4		1/4		1/4	
1/2	2,075.44	1/2	1,688.96	1/2	1,302.94	1/2	931.06	1/2	555.89	1/2	169.45	1/2		1/2		1/2		1/2	
3/4	2,067.39	3/4	1,680.91	3/4	1,295.04	3/4	923.34	3/4	547.83	3/4	161.40	3/4		3/4		3/4		3/4	
2	2,059.34	2	1,672.86	2	1,287.29	2	915.61	2	539.78	2	153.35	2		2		2		2	
1/4	2,051.29	1/4	1,664.80	1/4	1,279.54	1/4	907.89	1/4	531.73	1/4	145.30	1/4		1/4		1/4		1/4	
1/2	2,043.23	1/2	1,656.75	1/2	1,271.80	1/2	900.16	1/2	523.68	1/2	137.25	1/2		1/2		1/2		1/2	
3/4	2,035.18	3/4	1,648.70	3/4	1,264.05	3/4	892.44	3/4	515.63	3/4	129.19	3/4		3/4		3/4		3/4	
3	2,027.13	3	1,640.65	3	1,256.30	3	884.71	3	507.58	3	121.14	3		3		3		3	
1/4	2,019.08	1/4	1,632.60	1/4	1,248.56	1/4	876.99	1/4	499.53	1/4	113.09	1/4		1/4		1/4		1/4	
1/2	2,011.03	1/2	1,624.55	1/2	1,240.81	1/2	869.26	1/2	491.48	1/2	105.04	1/2		1/2		1/2		1/2	
3/4	2,002.98	3/4	1,616.49	3/4	1,233.06	3/4	861.54	3/4	483.43	3/4	96.99	3/4		3/4		3/4		3/4	
4	1,994.92	4	1,608.44	4	1,225.31	4	853.81	4	475.38	4	88.94	4		4		4		4	
1/4	1,986.87	1/4	1,600.39	1/4	1,217.57	1/4	846.09	1/4	467.33	1/4	80.88	1/4		1/4		1/4		1/4	
1/2	1,978.82	1/2	1,592.34	1/2	1,209.82	1/2	838.36	1/2	459.28	1/2	72.83	1/2		1/2		1/2		1/2	
3/4	1,970.77	3/4	1,584.29	3/4	1,202.07	3/4	830.64	3/4	451.24	3/4	64.78	3/4		3/4		3/4		3/4	
5	1,962.72	5	1,576.24	5	1,194.33	5	822.91	5	443.19	5	57.40	5		5		5		5	
1/4	1,954.67	1/4	1,568.18	1/4	1,186.58	1/4	815.19	1/4	435.14	1/4	50.02	1/4		1/4		1/4		1/4	
1/2	1,946.61	1/2	1,560.13	1/2	1,178.83	1/2	807.47	1/2	427.10	1/2	42.64	1/2		1/2		1/2		1/2	
3/4	1,938.56	3/4	1,552.08	3/4	1,171.09	3/4	799.74	3/4	419.05	3/4	35.26	3/4		3/4		3/4		3/4	
6	1,930.51	6	1,544.03	6	1,163.34	6	792.02	6	411.00	6	29.89	6		6		6		6	
1/4	1,922.46	1/4	1,535.98	1/4	1,155.59	1/4	784.30	1/4	402.95	1/4	24.52	1/4		1/4		1/4		1/4	
1/2	1,914.41	1/2	1,527.93	1/2	1,147.84	1/2	776.57	1/2	394.90	1/2	19.15	1/2		1/2		1/2		1/2	
3/4	1,906.36	3/4	1,519.87	3/4	1,140.10	3/4	768.85	3/4	386.84	3/4	13.79	3/4		3/4		3/4		3/4	
7	1,898.30	7	1,511.82	7	1,132.35	7	761.13	7	378.79	7		7		7		7		7	
1/4	1,890.25	1/4	1,503.77	1/4	1,124.60	1/4	753.40	1/4	370.74	1/4		1/4		1/4		1/4		1/4	
1/2	1,882.20	1/2	1,495.72	1/2	1,116.86	1/2	745.68	1/2	362.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,874.15	3/4	1,487.67	3/4	1,109.11	3/4	737.96	3/4	354.64	3/4		3/4		3/4		3/4		3/4	
8	1,866.10	8	1,479.62	8	1,101.36	8	730.22	8	346.59	8		8		8		8		8	
1/4	1,858.05	1/4	1,471.56	1/4	1,093.62	1/4	722.49	1/4	338.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,849.99	1/2	1,463.51	1/2	1,085.87	1/2	714.76	1/2	330.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,841.94	3/4	1,455.46	3/4	1,078.12	3/4	707.03	3/4	322.43	3/4		3/4		3/4		3/4		3/4	
9	1,833.89	9	1,447.41	9	1,070.37	9	699.28	9	314.38	9		9		9		9		9	
1/4	1,825.84	1/4	1,439.36	1/4	1,062.63	1/4	691.54	1/4	306.33	1/4		1/4		1/4		1/4		1/4	
1/2	1,817.79	1/2	1,431.31	1/2	1,054.88	1/2	683.79	1/2	298.28	1/2		1/2		1/2		1/2		1/2	
3/4	1,809.74	3/4	1,423.25	3/4	1,047.13	3/4	676.05	3/4	290.23	3/4		3/4		3/4		3/4		3/4	
10	1,801.68	10	1,415.20	10	1,039.39	10	668.15	10	282.17	10		10		10		10		10	
1/4	1,793.63	1/4	1,407.15	1/4	1,031.64	1/4	660.25	1/4	274.12	1/4		1/4		1/4		1/4		1/4	
1/2	1,785.58	1/2	1,399.10	1/2	1,023.89	1/2	652.35	1/2	266.07	1/2		1/2		1/2		1/2		1/2	
3/4	1,777.53	3/4	1,391.05	3/4	1,016.15	3/4	644.45	3/4	258.02	3/4		3/4		3/4		3/4		3/4	
11	1,769.48	11	1,383.00	11	1,008.40	11	636.40	11	249.97	11		11		11		11		11	
1/4	1,761.42	1/4	1,374.94	1/4	1,000.66	1/4	628.35	1/4	241.92	1/4		1/4		1/4		1/4		1/4	
1/2	1,753.37	1/2	1,366.89	1/2	992.91	1/2	620.30	1/2	233.86	1/2		1/2		1/2		1/2		1/2	
3/4	1,745.32	3/4	1,358.84	3/4	985.17	3/4	612.25	3/4	225.81	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

ULLAGE 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		0		0	4,524.73	0	4,282.09	0	4,021.66	0	3,753.62	0	3,444.32	0	3,083.30	0	2,721.40	0	2,359.41
1/4		1/4		1/4	4,519.85	1/4	4,276.83	1/4	4,016.08	1/4	3,748.03	1/4	3,436.89	1/4	3,075.76	1/4	2,713.86	1/4	2,351.86
1/2		1/2	4,745.12	1/2	4,514.97	1/2	4,271.58	1/2	4,010.50	1/2	3,742.45	1/2	3,429.46	1/2	3,068.22	1/2	2,706.32	1/2	2,344.31
3/4		3/4	4,741.90	3/4	4,510.07	3/4	4,266.30	3/4	4,004.92	3/4	3,736.87	3/4	3,422.04	3/4	3,060.68	3/4	2,698.78	3/4	2,336.76
1		1	4,738.68	1	4,505.16	1	4,261.01	1	3,999.33	1	3,731.28	1	3,414.61	1	3,053.14	1	2,691.24	1	2,329.21
1/4		1/4	4,735.46	1/4	4,500.26	1/4	4,255.73	1/4	3,993.75	1/4	3,725.70	1/4	3,407.18	1/4	3,045.60	1/4	2,683.70	1/4	2,321.66
1/2		1/2	4,732.24	1/2	4,495.35	1/2	4,250.45	1/2	3,988.16	1/2	3,720.11	1/2	3,399.75	1/2	3,038.06	1/2	2,676.16	1/2	2,314.11
3/4		3/4	4,727.60	3/4	4,490.41	3/4	4,245.13	3/4	3,982.58	3/4	3,714.53	3/4	3,392.26	3/4	3,030.53	3/4	2,668.62	3/4	2,306.56
2		2	4,722.96	2	4,485.48	2	4,239.82	2	3,976.99	2	3,708.94	2	3,384.78	2	3,022.99	2	2,661.08	2	2,299.01
1/4		1/4	4,718.33	1/4	4,480.54	1/4	4,234.51	1/4	3,971.41	1/4	3,703.36	1/4	3,377.29	1/4	3,015.45	1/4	2,653.55	1/4	2,291.46
1/2		1/2	4,713.69	1/2	4,475.61	1/2	4,229.20	1/2	3,965.83	1/2	3,697.77	1/2	3,369.81	1/2	3,007.91	1/2	2,646.01	1/2	2,283.92
3/4		3/4	4,708.30	3/4	4,470.65	3/4	4,223.86	3/4	3,960.24	3/4	3,692.19	3/4	3,362.27	3/4	3,000.37	3/4	2,638.47	3/4	2,276.37
3		3	4,702.91	3	4,465.68	3	4,218.52	3	3,954.66	3	3,686.61	3	3,354.73	3	2,992.83	3	2,630.93	3	2,268.82
1/4		1/4	4,697.52	1/4	4,460.72	1/4	4,213.18	1/4	3,949.07	1/4	3,681.02	1/4	3,347.19	1/4	2,985.29	1/4	2,623.39	1/4	2,261.27
1/2		1/2	4,692.12	1/2	4,455.76	1/2	4,207.84	1/2	3,943.49	1/2	3,675.44	1/2	3,339.65	1/2	2,977.75	1/2	2,615.85	1/2	2,253.72
3/4		3/4	4,686.64	3/4	4,450.76	3/4	4,202.47	3/4	3,937.90	3/4	3,669.85	3/4	3,332.11	3/4	2,970.21	3/4	2,608.31	3/4	2,246.18
4		4	4,681.15	4	4,445.77	4	4,197.10	4	3,932.32	4	3,664.27	4	3,324.57	4	2,962.67	4	2,600.77	4	2,238.64
1/4		1/4	4,675.67	1/4	4,440.78	1/4	4,191.73	1/4	3,926.73	1/4	3,658.68	1/4	3,317.03	1/4	2,955.13	1/4	2,593.23	1/4	2,231.10
1/2		1/2	4,670.18	1/2	4,435.79	1/2	4,186.36	1/2	3,921.15	1/2	3,653.10	1/2	3,309.49	1/2	2,947.59	1/2	2,585.69	1/2	2,223.56
3/4		3/4	4,664.91	3/4	4,430.77	3/4	4,180.96	3/4	3,915.57	3/4	3,647.51	3/4	3,301.95	3/4	2,940.05	3/4	2,578.15	3/4	2,216.02
5		5	4,659.63	5	4,425.75	5	4,175.56	5	3,909.98	5	3,641.93	5	3,294.41	5	2,932.51	5	2,570.61	5	2,208.49
1/4		1/4	4,654.36	1/4	4,420.72	1/4	4,170.17	1/4	3,904.40	1/4	3,636.35	1/4	3,286.87	1/4	2,924.97	1/4	2,563.07	1/4	2,200.96
1/2		1/2	4,649.08	1/2	4,415.70	1/2	4,164.77	1/2	3,898.81	1/2	3,630.76	1/2	3,279.33	1/2	2,917.43	1/2	2,555.53	1/2	2,193.43
3/4		3/4	4,644.23	3/4	4,410.65	3/4	4,159.34	3/4	3,893.23	3/4	3,624.69	3/4	3,271.79	3/4	2,909.89	3/4	2,547.99	3/4	2,185.89
6		6	4,639.37	6	4,405.60	6	4,153.92	6	3,887.64	6	3,618.61	6	3,264.25	6	2,902.35	6	2,540.45	6	2,178.36
1/4		1/4	4,634.51	1/4	4,400.55	1/4	4,148.49	1/4	3,882.06	1/4	3,612.54	1/4	3,256.71	1/4	2,894.81	1/4	2,532.91	1/4	2,170.83
1/2		1/2	4,629.65	1/2	4,395.51	1/2	4,143.06	1/2	3,876.48	1/2	3,606.46	1/2	3,249.17	1/2	2,887.27	1/2	2,525.37	1/2	2,163.30
3/4		3/4	4,624.98	3/4	4,390.43	3/4	4,137.61	3/4	3,870.89	3/4	3,599.41	3/4	3,241.63	3/4	2,879.73	3/4	2,517.83	3/4	2,155.76
7		7	4,620.32	7	4,385.35	7	4,132.15	7	3,865.31	7	3,592.36	7	3,234.09	7	2,872.19	7	2,510.29	7	2,148.23
1/4		1/4	4,615.65	1/4	4,380.27	1/4	4,126.70	1/4	3,859.72	1/4	3,585.30	1/4	3,226.55	1/4	2,864.65	1/4	2,502.75	1/4	2,140.70
1/2		1/2	4,610.98	1/2	4,375.19	1/2	4,121.24	1/2	3,854.14	1/2	3,578.25	1/2	3,219.02	1/2	2,857.11	1/2	2,495.21	1/2	2,133.17
3/4		3/4	4,606.28	3/4	4,370.09	3/4	4,115.76	3/4	3,848.55	3/4	3,570.77	3/4	3,211.48	3/4	2,849.57	3/4	2,487.67	3/4	2,125.63
8		8	4,601.59	8	4,364.98	8	4,110.27	8	3,842.97	8	3,563.29	8	3,203.94	8	2,842.04	8	2,480.13	8	2,118.10
1/4		1/4	4,596.89	1/4	4,359.87	1/4	4,104.79	1/4	3,837.38	1/4	3,555.80	1/4	3,196.40	1/4	2,834.50	1/4	2,472.59	1/4	2,110.57
1/2		1/2	4,592.19	1/2	4,354.76	1/2	4,099.31	1/2	3,831.80	1/2	3,548.32	1/2	3,188.86	1/2	2,826.96	1/2	2,465.06	1/2	2,103.04
3/4		3/4	4,587.43	3/4	4,349.63	3/4	4,093.79	3/4	3,826.22	3/4	3,540.89	3/4	3,181.32	3/4	2,819.42	3/4	2,457.51	3/4	2,095.50
9		9	4,582.67	9	4,344.49	9	4,088.28	9	3,820.63	9	3,533.46	9	3,173.78	9	2,811.88	9	2,449.97	9	2,087.97
1/4		1/4	4,577.92	1/4	4,339.36	1/4	4,082.77	1/4	3,815.05	1/4	3,526.03	1/4	3,166.24	1/4	2,804.34	1/4	2,442.42	1/4	2,080.44
1/2		1/2	4,573.16	1/2	4,334.22	1/2	4,077.25	1/2	3,809.46	1/2	3,518.60	1/2	3,158.70	1/2	2,796.80	1/2	2,434.88	1/2	2,072.91
3/4		3/4	4,568.34	3/4	4,329.04	3/4	4,071.71	3/4	3,803.88	3/4	3,511.18	3/4	3,151.16	3/4	2,789.26	3/4	2,427.33	3/4	2,065.37
10		10	4,563.52	10	4,323.86	10	4,066.17	10	3,798.29	10	3,503.75	10	3,143.62	10	2,781.72	10	2,419.79	10	2,057.84
1/4		1/4	4,558.70	1/4	4,318.68	1/4	4,060.63	1/4	3,792.71	1/4	3,496.32	1/4	3,136.08	1/4	2,774.18	1/4	2,412.24	1/4	2,050.31
1/2		1/2	4,553.88	1/2	4,313.50	1/2	4,055.09	1/2	3,787.12	1/2	3,488.89	1/2	3,128.54	1/2	2,766.64	1/2	2,404.69	1/2	2,042.78
3/4		3/4	4,549.03	3/4	4,308.27	3/4	4,049.52	3/4	3,781.54	3/4	3,481.46	3/4	3,121.00	3/4	2,759.10	3/4	2,397.15	3/4	2,035.24
11		11	4,544.18	11	4,303.05	11	4,043.96	11	3,775.96	11	3,474.03	11	3,113.46	11	2,751.56	11	2,389.60	11	2,027.71
1/4		1/4	4,539.33	1/4	4,297.82	1/4	4,038.39	1/4	3,770.37	1/4	3,466.61	1/4	3,105.92	1/4	2,744.02	1/4	2,382.05	1/4	2,020.18
1/2		1/2	4,534.48	1/2	4,292.60	1/2	4,032.82	1/2	3,764.79	1/2	3,459.18	1/2	3,098.38	1/2	2,736.48	1/2	2,374.50	1/2	2,012.65
3/4		3/4	4,529.61	3/4	4,287.34	3/4	4,027.24	3/4	3,759.20	3/4	3,451.75	3/4	3,090.84	3/4	2,728.94	3/4	2,366.96	3/4	2,005.11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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

BARGE "NGL 3052"

3 PORT
ULLAGE 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	1,997.58	0	1,635.60	0	1,273.40	0	912.77	0	558.99	0	196.66	0		0		0		0	
1/4	1,990.05	1/4	1,628.06	1/4	1,265.86	1/4	905.43	1/4	551.44	1/4	189.11	1/4		1/4		1/4		1/4	
1/2	1,982.52	1/2	1,620.51	1/2	1,258.31	1/2	898.09	1/2	543.89	1/2	181.56	1/2		1/2		1/2		1/2	
3/4	1,974.98	3/4	1,612.96	3/4	1,250.76	3/4	890.76	3/4	536.34	3/4	174.01	3/4		3/4		3/4		3/4	
1	1,967.45	1	1,605.42	1	1,243.22	1	883.43	1	528.79	1	166.46	1		1		1		1	
1/4	1,959.92	1/4	1,597.87	1/4	1,235.67	1/4	876.10	1/4	521.24	1/4	158.91	1/4		1/4		1/4		1/4	
1/2	1,952.39	1/2	1,590.33	1/2	1,228.13	1/2	868.77	1/2	513.69	1/2	151.36	1/2		1/2		1/2		1/2	
3/4	1,944.85	3/4	1,582.78	3/4	1,220.58	3/4	861.44	3/4	506.14	3/4	143.81	3/4		3/4		3/4		3/4	
2	1,937.32	2	1,575.23	2	1,213.03	2	854.11	2	498.59	2	136.26	2		2		2		2	
1/4	1,929.79	1/4	1,567.69	1/4	1,205.49	1/4	846.77	1/4	491.04	1/4	128.71	1/4		1/4		1/4		1/4	
1/2	1,922.26	1/2	1,560.14	1/2	1,197.94	1/2	839.44	1/2	483.49	1/2	121.16	1/2		1/2		1/2		1/2	
3/4	1,914.72	3/4	1,552.60	3/4	1,190.39	3/4	832.11	3/4	475.94	3/4	113.61	3/4		3/4		3/4		3/4	
3	1,907.19	3	1,545.05	3	1,182.85	3	824.78	3	468.39	3	106.06	3		3		3		3	
1/4	1,899.66	1/4	1,537.51	1/4	1,175.30	1/4	817.45	1/4	460.85	1/4	98.51	1/4		1/4		1/4		1/4	
1/2	1,892.13	1/2	1,529.96	1/2	1,167.76	1/2	810.12	1/2	453.30	1/2	90.96	1/2		1/2		1/2		1/2	
3/4	1,884.59	3/4	1,522.41	3/4	1,160.21	3/4	802.79	3/4	445.75	3/4	83.41	3/4		3/4		3/4		3/4	
4	1,877.05	4	1,514.87	4	1,152.66	4	795.46	4	438.21	4	75.86	4		4		4		4	
1/4	1,869.51	1/4	1,507.32	1/4	1,145.12	1/4	788.12	1/4	430.66	1/4	68.32	1/4		1/4		1/4		1/4	
1/2	1,861.98	1/2	1,499.78	1/2	1,137.57	1/2	780.79	1/2	423.12	1/2	60.77	1/2		1/2		1/2		1/2	
3/4	1,854.43	3/4	1,492.23	3/4	1,130.02	3/4	773.46	3/4	415.57	3/4	53.85	3/4		3/4		3/4		3/4	
5	1,846.88	5	1,484.69	5	1,122.48	5	766.13	5	408.03	5	46.92	5		5		5		5	
1/4	1,839.34	1/4	1,477.14	1/4	1,114.93	1/4	758.80	1/4	400.48	1/4	40.00	1/4		1/4		1/4		1/4	
1/2	1,831.79	1/2	1,469.59	1/2	1,107.39	1/2	751.47	1/2	392.94	1/2	33.08	1/2		1/2		1/2		1/2	
3/4	1,824.25	3/4	1,462.05	3/4	1,099.84	3/4	744.15	3/4	385.39	3/4	28.05	3/4		3/4		3/4		3/4	
6	1,816.70	6	1,454.50	6	1,092.29	6	736.82	6	377.84	6	23.02	6		6		6		6	
1/4	1,809.15	1/4	1,446.96	1/4	1,084.75	1/4	729.49	1/4	370.30	1/4	17.99	1/4		1/4		1/4		1/4	
1/2	1,801.61	1/2	1,439.41	1/2	1,077.20	1/2	722.16	1/2	362.75	1/2	12.95	1/2		1/2		1/2		1/2	
3/4	1,794.06	3/4	1,431.86	3/4	1,069.65	3/4	714.83	3/4	355.20	3/4		3/4		3/4		3/4		3/4	
7	1,786.52	7	1,424.32	7	1,062.11	7	707.50	7	347.65	7		7		7		7		7	
1/4	1,778.97	1/4	1,416.77	1/4	1,054.56	1/4	700.17	1/4	340.10	1/4		1/4		1/4		1/4		1/4	
1/2	1,771.43	1/2	1,409.23	1/2	1,047.01	1/2	692.84	1/2	332.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,763.88	3/4	1,401.68	3/4	1,039.47	3/4	685.50	3/4	325.00	3/4		3/4		3/4		3/4		3/4	
8	1,756.33	8	1,394.14	8	1,031.92	8	678.16	8	317.45	8		8		8		8		8	
1/4	1,748.79	1/4	1,386.59	1/4	1,024.38	1/4	670.83	1/4	309.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,741.24	1/2	1,379.04	1/2	1,016.83	1/2	663.49	1/2	302.35	1/2		1/2		1/2		1/2		1/2	
3/4	1,733.70	3/4	1,371.50	3/4	1,009.28	3/4	656.14	3/4	294.80	3/4		3/4		3/4		3/4		3/4	
9	1,726.15	9	1,363.95	9	1,001.74	9	648.79	9	287.25	9		9		9		9		9	
1/4	1,718.60	1/4	1,356.41	1/4	994.19	1/4	641.44	1/4	279.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,711.06	1/2	1,348.86	1/2	986.64	1/2	634.09	1/2	272.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,703.51	3/4	1,341.31	3/4	979.19	3/4	626.64	3/4	264.60	3/4		3/4		3/4		3/4		3/4	
10	1,695.97	10	1,333.77	10	971.74	10	619.19	10	257.06	10		10		10		10		10	
1/4	1,688.42	1/4	1,326.22	1/4	964.30	1/4	611.74	1/4	249.51	1/4		1/4		1/4		1/4		1/4	
1/2	1,680.88	1/2	1,318.68	1/2	956.85	1/2	604.28	1/2	241.96	1/2		1/2		1/2		1/2		1/2	
3/4	1,673.33	3/4	1,311.13	3/4	949.50	3/4	596.73	3/4	234.41	3/4		3/4		3/4		3/4		3/4	
11	1,665.78	11	1,303.59	11	942.15	11	589.19	11	226.86	11		11		11		11		11	
1/4	1,658.24	1/4	1,296.04	1/4	934.80	1/4	581.64	1/4	219.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,650.69	1/2	1,288.50	1/2	927.45	1/2	574.09	1/2	211.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,643.15	3/4	1,280.95	3/4	920.11	3/4	566.54	3/4	204.21	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 STBD

ULLAGE 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		0		0	4,482.87	0	4,240.19	0	3,979.88	0	3,712.31	0	3,402.05	0	3,042.70	0	2,682.57	0	2,322.50
1/4		1/4	4,707.86	1/4	4,478.00	1/4	4,234.94	1/4	3,974.31	1/4	3,706.74	1/4	3,394.66	1/4	3,035.20	1/4	2,675.07	1/4	2,314.98
1/2		1/2	4,704.64	1/2	4,473.10	1/2	4,229.66	1/2	3,968.73	1/2	3,701.17	1/2	3,387.27	1/2	3,027.69	1/2	2,667.57	1/2	2,307.47
3/4		3/4	4,701.42	3/4	4,468.20	3/4	4,224.39	3/4	3,963.16	3/4	3,695.59	3/4	3,379.87	3/4	3,020.19	3/4	2,660.06	3/4	2,299.96
1		1	4,698.21	1	4,463.30	1	4,219.11	1	3,957.58	1	3,690.02	1	3,372.48	1	3,012.69	1	2,652.56	1	2,292.44
1/4		1/4	4,694.99	1/4	4,458.40	1/4	4,213.84	1/4	3,952.01	1/4	3,684.44	1/4	3,365.09	1/4	3,005.19	1/4	2,645.06	1/4	2,284.93
1/2		1/2	4,690.36	1/2	4,453.47	1/2	4,208.54	1/2	3,946.44	1/2	3,678.87	1/2	3,357.64	1/2	2,997.68	1/2	2,637.56	1/2	2,277.42
3/4		3/4	4,685.73	3/4	4,448.55	3/4	4,203.23	3/4	3,940.86	3/4	3,673.29	3/4	3,350.20	3/4	2,990.18	3/4	2,630.06	3/4	2,269.90
2		2	4,681.10	2	4,443.62	2	4,197.93	2	3,935.29	2	3,667.72	2	3,342.75	2	2,982.68	2	2,622.56	2	2,262.39
1/4		1/4	4,676.47	1/4	4,438.69	1/4	4,192.63	1/4	3,929.71	1/4	3,662.15	1/4	3,335.31	1/4	2,975.18	1/4	2,615.06	1/4	2,254.88
1/2		1/2	4,671.09	1/2	4,433.73	1/2	4,187.29	1/2	3,924.14	1/2	3,656.57	1/2	3,327.80	1/2	2,967.67	1/2	2,607.56	1/2	2,247.36
3/4		3/4	4,665.70	3/4	4,428.77	3/4	4,181.96	3/4	3,918.56	3/4	3,651.00	3/4	3,320.30	3/4	2,960.17	3/4	2,600.06	3/4	2,239.85
3		3	4,660.32	3	4,423.82	3	4,176.63	3	3,912.99	3	3,645.42	3	3,312.80	3	2,952.67	3	2,592.57	3	2,232.33
1/4		1/4	4,654.94	1/4	4,418.86	1/4	4,171.30	1/4	3,907.42	1/4	3,639.85	1/4	3,305.29	1/4	2,945.17	1/4	2,585.07	1/4	2,224.82
1/2		1/2	4,649.46	1/2	4,413.87	1/2	4,165.94	1/2	3,901.84	1/2	3,634.27	1/2	3,297.79	1/2	2,937.66	1/2	2,577.57	1/2	2,217.32
3/4		3/4	4,643.99	3/4	4,408.89	3/4	4,160.58	3/4	3,896.27	3/4	3,628.70	3/4	3,290.29	3/4	2,930.16	3/4	2,570.07	3/4	2,209.81
4		4	4,638.51	4	4,403.90	4	4,155.22	4	3,890.69	4	3,623.13	4	3,282.79	4	2,922.66	4	2,562.58	4	2,202.31
1/4		1/4	4,633.03	1/4	4,398.92	1/4	4,149.86	1/4	3,885.12	1/4	3,617.55	1/4	3,275.28	1/4	2,915.15	1/4	2,555.08	1/4	2,194.80
1/2		1/2	4,627.77	1/2	4,393.90	1/2	4,144.47	1/2	3,879.54	1/2	3,611.98	1/2	3,267.78	1/2	2,907.65	1/2	2,547.58	1/2	2,187.30
3/4		3/4	4,622.50	3/4	4,388.89	3/4	4,139.08	3/4	3,873.97	3/4	3,606.40	3/4	3,260.28	3/4	2,900.15	3/4	2,540.08	3/4	2,179.81
5		5	4,617.24	5	4,383.87	5	4,133.69	5	3,868.40	5	3,600.83	5	3,252.78	5	2,892.65	5	2,532.59	5	2,172.31
1/4		1/4	4,611.97	1/4	4,378.86	1/4	4,128.30	1/4	3,862.82	1/4	3,595.25	1/4	3,245.27	1/4	2,885.14	1/4	2,525.09	1/4	2,164.81
1/2		1/2	4,607.12	1/2	4,373.82	1/2	4,122.88	1/2	3,857.25	1/2	3,589.19	1/2	3,237.77	1/2	2,877.64	1/2	2,517.59	1/2	2,157.32
3/4		3/4	4,602.27	3/4	4,368.77	3/4	4,117.47	3/4	3,851.67	3/4	3,583.13	3/4	3,230.27	3/4	2,870.14	3/4	2,510.10	3/4	2,149.82
6		6	4,597.41	6	4,363.73	6	4,112.05	6	3,846.10	6	3,577.07	6	3,222.77	6	2,862.64	6	2,502.60	6	2,142.32
1/4		1/4	4,592.56	1/4	4,358.69	1/4	4,106.63	1/4	3,840.52	1/4	3,571.01	1/4	3,215.26	1/4	2,855.13	1/4	2,495.10	1/4	2,134.82
1/2		1/2	4,587.90	1/2	4,353.62	1/2	4,101.19	1/2	3,834.95	1/2	3,563.98	1/2	3,207.76	1/2	2,847.63	1/2	2,487.60	1/2	2,127.33
3/4		3/4	4,583.23	3/4	4,348.54	3/4	4,095.74	3/4	3,829.37	3/4	3,556.94	3/4	3,200.26	3/4	2,840.13	3/4	2,480.11	3/4	2,119.83
7		7	4,578.57	7	4,343.47	7	4,090.29	7	3,823.80	7	3,549.91	7	3,192.75	7	2,832.62	7	2,472.61	7	2,112.33
1/4		1/4	4,573.90	1/4	4,338.40	1/4	4,084.85	1/4	3,818.23	1/4	3,542.88	1/4	3,185.25	1/4	2,825.12	1/4	2,465.11	1/4	2,104.84
1/2		1/2	4,569.21	1/2	4,333.30	1/2	4,079.37	1/2	3,812.65	1/2	3,535.42	1/2	3,177.75	1/2	2,817.62	1/2	2,457.61	1/2	2,097.39
3/4		3/4	4,564.52	3/4	4,328.20	3/4	4,073.90	3/4	3,807.08	3/4	3,527.96	3/4	3,170.25	3/4	2,810.12	3/4	2,450.12	3/4	2,089.94
8		8	4,559.83	8	4,323.10	8	4,068.42	8	3,801.50	8	3,520.51	8	3,162.74	8	2,802.61	8	2,442.62	8	2,082.49
1/4		1/4	4,555.14	1/4	4,318.00	1/4	4,062.95	1/4	3,795.93	1/4	3,513.05	1/4	3,155.24	1/4	2,795.11	1/4	2,435.12	1/4	2,075.04
1/2		1/2	4,550.38	1/2	4,312.87	1/2	4,057.45	1/2	3,790.35	1/2	3,505.64	1/2	3,147.74	1/2	2,787.61	1/2	2,427.62	1/2	2,067.63
3/4		3/4	4,545.63	3/4	4,307.75	3/4	4,051.94	3/4	3,784.78	3/4	3,498.24	3/4	3,140.24	3/4	2,780.11	3/4	2,420.12	3/4	2,060.23
9		9	4,540.88	9	4,302.62	9	4,046.44	9	3,779.21	9	3,490.84	9	3,132.73	9	2,772.60	9	2,412.62	9	2,052.83
1/4		1/4	4,536.12	1/4	4,297.49	1/4	4,040.94	1/4	3,773.63	1/4	3,483.43	1/4	3,125.23	1/4	2,765.10	1/4	2,405.12	1/4	2,045.42
1/2		1/2	4,531.31	1/2	4,292.32	1/2	4,035.41	1/2	3,768.06	1/2	3,476.03	1/2	3,117.73	1/2	2,757.60	1/2	2,397.61	1/2	2,038.02
3/4		3/4	4,526.49	3/4	4,287.14	3/4	4,029.88	3/4	3,762.48	3/4	3,468.63	3/4	3,110.22	3/4	2,750.09	3/4	2,390.10	3/4	2,030.61
10		10	4,521.68	10	4,281.97	10	4,024.34	10	3,756.91	10	3,461.22	10	3,102.72	10	2,742.59	10	2,382.59	10	2,023.21
1/4		1/4	4,516.86	1/4	4,276.80	1/4	4,018.81	1/4	3,751.33	1/4	3,453.82	1/4	3,095.22	1/4	2,735.09	1/4	2,375.09	1/4	2,015.81
1/2		1/2	4,512.02	1/2	4,271.58	1/2	4,013.26	1/2	3,745.76	1/2	3,446.42	1/2	3,087.72	1/2	2,727.59	1/2	2,367.57	1/2	2,008.40
3/4		3/4	4,507.18	3/4	4,266.36	3/4	4,007.70	3/4	3,740.19	3/4	3,439.02	3/4	3,080.21	3/4	2,720.08	3/4	2,360.06	3/4	2,001.00
11		11	4,502.33	11	4,261.14	11	4,002.14	11	3,734.61	11	3,431.63	11	3,072.71	11	2,712.58	11	2,352.55	11	1,993.60
1/4		1/4	4,497.49	1/4	4,255.93	1/4	3,996.59	1/4	3,729.04	1/4	3,424.23	1/4	3,065.21	1/4	2,705.08	1/4	2,345.04	1/4	1,986.19
1/2		1/2	4,492.62	1/2	4,250.68	1/2	3,991.02	1/2	3,723.46	1/2	3,416.84	1/2	3,057.71	1/2	2,697.58	1/2	2,337.52	1/2	1,978.79
3/4		3/4	4,487.75	3/4	4,245.43	3/4	3,985.45	3/4	3,717.89	3/4	3,409.44	3/4	3,050.20	3/4	2,690.07	3/4	2,330.01	3/4	1,971.39

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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

BARGE "NGL 3052"

3 STBD

ULLAGE 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	1,963.98	0	1,606.65	0	1,246.32	0	890.37	0	549.15	0	188.46	0		0		0		0	
1/4	1,956.58	1/4	1,599.14	1/4	1,238.81	1/4	883.36	1/4	541.64	1/4	180.94	1/4		1/4		1/4		1/4	
1/2	1,949.18	1/2	1,591.63	1/2	1,231.30	1/2	876.35	1/2	534.12	1/2	173.43	1/2		1/2		1/2		1/2	
3/4	1,941.77	3/4	1,584.13	3/4	1,223.79	3/4	869.35	3/4	526.60	3/4	165.91	3/4		3/4		3/4		3/4	
1	1,934.37	1	1,576.62	1	1,216.29	1	862.35	1	519.09	1	158.40	1		1		1		1	
1/4	1,926.97	1/4	1,569.11	1/4	1,208.78	1/4	855.34	1/4	511.57	1/4	150.88	1/4		1/4		1/4		1/4	
1/2	1,919.56	1/2	1,561.61	1/2	1,201.27	1/2	848.33	1/2	504.06	1/2	143.36	1/2		1/2		1/2		1/2	
3/4	1,912.16	3/4	1,554.10	3/4	1,193.77	3/4	841.33	3/4	496.54	3/4	135.84	3/4		3/4		3/4		3/4	
2	1,904.76	2	1,546.59	2	1,186.26	2	834.32	2	489.03	2	128.32	2		2		2		2	
1/4	1,897.35	1/4	1,539.09	1/4	1,178.75	1/4	827.31	1/4	481.51	1/4	120.80	1/4		1/4		1/4		1/4	
1/2	1,889.95	1/2	1,531.58	1/2	1,171.24	1/2	820.30	1/2	474.00	1/2	113.27	1/2		1/2		1/2		1/2	
3/4	1,882.54	3/4	1,524.07	3/4	1,163.73	3/4	813.29	3/4	466.48	3/4	105.74	3/4		3/4		3/4		3/4	
3	1,875.14	3	1,516.56	3	1,156.22	3	806.28	3	458.97	3	98.22	3		3		3		3	
1/4	1,867.74	1/4	1,509.06	1/4	1,148.71	1/4	799.27	1/4	451.46	1/4	90.69	1/4		1/4		1/4		1/4	
1/2	1,860.33	1/2	1,501.55	1/2	1,141.20	1/2	792.26	1/2	443.95	1/2	83.16	1/2		1/2		1/2		1/2	
3/4	1,852.92	3/4	1,494.04	3/4	1,133.69	3/4	785.26	3/4	436.43	3/4	75.63	3/4		3/4		3/4		3/4	
4	1,845.51	4	1,486.54	4	1,126.18	4	778.25	4	428.92	4	68.11	4		4		4		4	
1/4	1,838.10	1/4	1,479.03	1/4	1,118.67	1/4	771.24	1/4	421.41	1/4	60.58	1/4		1/4		1/4		1/4	
1/2	1,830.68	1/2	1,471.52	1/2	1,111.17	1/2	764.23	1/2	413.90	1/2	53.68	1/2		1/2		1/2		1/2	
3/4	1,823.26	3/4	1,464.02	3/4	1,103.66	3/4	757.22	3/4	406.39	3/4	46.78	3/4		3/4		3/4		3/4	
5	1,815.85	5	1,456.51	5	1,096.15	5	750.22	5	398.88	5	39.88	5		5		5		5	
1/4	1,808.43	1/4	1,449.00	1/4	1,088.65	1/4	743.21	1/4	391.37	1/4	32.98	1/4		1/4		1/4		1/4	
1/2	1,801.01	1/2	1,441.50	1/2	1,081.15	1/2	736.20	1/2	383.85	1/2	27.96	1/2		1/2		1/2		1/2	
3/4	1,793.60	3/4	1,433.99	3/4	1,073.64	3/4	729.20	3/4	376.34	3/4	22.94	3/4		3/4		3/4		3/4	
6	1,786.18	6	1,426.48	6	1,066.14	6	722.19	6	368.83	6	17.93	6		6		6		6	
1/4	1,778.76	1/4	1,418.98	1/4	1,058.64	1/4	715.18	1/4	361.31	1/4	12.91	1/4		1/4		1/4		1/4	
1/2	1,771.35	1/2	1,411.47	1/2	1,051.14	1/2	708.18	1/2	353.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,763.93	3/4	1,403.96	3/4	1,043.64	3/4	701.17	3/4	346.28	3/4		3/4		3/4		3/4		3/4	
7	1,756.51	7	1,396.46	7	1,036.14	7	694.16	7	338.77	7		7		7		7		7	
1/4	1,749.10	1/4	1,388.95	1/4	1,028.63	1/4	687.15	1/4	331.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,741.64	1/2	1,381.44	1/2	1,021.13	1/2	680.13	1/2	323.74	1/2		1/2		1/2		1/2		1/2	
3/4	1,734.17	3/4	1,373.94	3/4	1,013.63	3/4	673.10	3/4	316.22	3/4		3/4		3/4		3/4		3/4	
8	1,726.71	8	1,366.43	8	1,006.13	8	666.08	8	308.70	8		8		8		8		8	
1/4	1,719.25	1/4	1,358.92	1/4	998.63	1/4	659.06	1/4	301.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,711.74	1/2	1,351.42	1/2	991.13	1/2	652.01	1/2	293.67	1/2		1/2		1/2		1/2		1/2	
3/4	1,704.23	3/4	1,343.91	3/4	983.62	3/4	644.97	3/4	286.16	3/4		3/4		3/4		3/4		3/4	
9	1,696.73	9	1,336.40	9	976.12	9	637.93	9	278.64	9		9		9		9		9	
1/4	1,689.22	1/4	1,328.89	1/4	968.62	1/4	630.88	1/4	271.13	1/4		1/4		1/4		1/4		1/4	
1/2	1,681.71	1/2	1,321.39	1/2	961.35	1/2	623.60	1/2	263.61	1/2		1/2		1/2		1/2		1/2	
3/4	1,674.21	3/4	1,313.88	3/4	954.08	3/4	616.32	3/4	256.10	3/4		3/4		3/4		3/4		3/4	
10	1,666.70	10	1,306.37	10	946.81	10	609.04	10	248.58	10		10		10		10		10	
1/4	1,659.19	1/4	1,298.87	1/4	939.55	1/4	601.76	1/4	241.07	1/4		1/4		1/4		1/4		1/4	
1/2	1,651.69	1/2	1,291.36	1/2	932.51	1/2	594.24	1/2	233.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,644.18	3/4	1,283.85	3/4	925.48	3/4	586.73	3/4	226.04	3/4		3/4		3/4		3/4		3/4	
11	1,636.67	11	1,276.35	11	918.45	11	579.21	11	218.52	11		11		11		11		11	
1/4	1,629.17	1/4	1,268.84	1/4	911.41	1/4	571.70	1/4	211.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,621.66	1/2	1,261.33	1/2	904.40	1/2	564.18	1/2	203.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,614.15	3/4	1,253.82	3/4	897.39	3/4	556.67	3/4	195.97	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

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