



BARGE "NGL 3051"

INNAGE TRIM TABLE
FORMERLY "BKF 301"

	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 17, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "NGL 3051"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	10.16	0	260.07	0	542.23	0	846.69	0	1,173.16	0	1,504.72	0	1,836.28	0	2,167.79	0	2,499.22	0	2,830.65
1/4	13.49	1/4	265.74	1/4	548.34	1/4	853.30	1/4	1,180.07	1/4	1,511.63	1/4	1,843.19	1/4	2,174.69	1/4	2,506.12	1/4	2,837.55
1/2	16.82	1/2	271.40	1/2	554.46	1/2	859.91	1/2	1,186.98	1/2	1,518.54	1/2	1,850.10	1/2	2,181.60	1/2	2,513.03	1/2	2,844.46
3/4	20.15	3/4	277.06	3/4	560.57	3/4	866.53	3/4	1,193.89	3/4	1,525.45	3/4	1,857.01	3/4	2,188.50	3/4	2,519.93	3/4	2,851.36
1	23.48	1	282.73	1	566.69	1	873.14	1	1,200.79	1	1,532.35	1	1,863.91	1	2,195.41	1	2,526.84	1	2,858.27
1/4	28.14	1/4	288.43	1/4	572.84	1/4	879.79	1/4	1,207.70	1/4	1,539.26	1/4	1,870.82	1/4	2,202.31	1/4	2,533.74	1/4	2,865.17
1/2	32.79	1/2	294.13	1/2	579.00	1/2	886.44	1/2	1,214.61	1/2	1,546.17	1/2	1,877.73	1/2	2,209.22	1/2	2,540.65	1/2	2,872.08
3/4	37.45	3/4	299.83	3/4	585.15	3/4	893.09	3/4	1,221.52	3/4	1,553.08	3/4	1,884.64	3/4	2,216.12	3/4	2,547.55	3/4	2,878.98
2	42.11	2	305.53	2	591.31	2	899.74	2	1,228.42	2	1,559.98	2	1,891.54	2	2,223.03	2	2,554.46	2	2,885.89
1/4	47.38	1/4	311.27	1/4	597.50	1/4	906.43	1/4	1,235.33	1/4	1,566.89	1/4	1,898.45	1/4	2,229.93	1/4	2,561.36	1/4	2,892.79
1/2	52.65	1/2	317.01	1/2	603.70	1/2	913.12	1/2	1,242.24	1/2	1,573.80	1/2	1,905.36	1/2	2,236.84	1/2	2,568.27	1/2	2,899.70
3/4	57.92	3/4	322.75	3/4	609.90	3/4	919.82	3/4	1,249.15	3/4	1,580.71	3/4	1,912.27	3/4	2,243.74	3/4	2,575.17	3/4	2,906.60
3	63.19	3	328.49	3	616.09	3	926.51	3	1,256.05	3	1,587.61	3	1,919.17	3	2,250.65	3	2,582.08	3	2,913.51
1/4	68.50	1/4	334.28	1/4	622.33	1/4	933.24	1/4	1,262.96	1/4	1,594.52	1/4	1,926.08	1/4	2,257.55	1/4	2,588.98	1/4	2,920.41
1/2	73.82	1/2	340.06	1/2	628.56	1/2	939.97	1/2	1,269.87	1/2	1,601.43	1/2	1,932.99	1/2	2,264.46	1/2	2,595.89	1/2	2,927.32
3/4	79.13	3/4	345.84	3/4	634.80	3/4	946.70	3/4	1,276.78	3/4	1,608.34	3/4	1,939.90	3/4	2,271.36	3/4	2,602.79	3/4	2,934.22
4	84.44	4	351.62	4	641.03	4	953.43	4	1,283.68	4	1,615.24	4	1,946.80	4	2,278.27	4	2,609.70	4	2,941.13
1/4	89.79	1/4	357.45	1/4	647.31	1/4	960.20	1/4	1,290.59	1/4	1,622.15	1/4	1,953.71	1/4	2,285.17	1/4	2,616.60	1/4	2,948.03
1/2	95.14	1/2	363.27	1/2	653.58	1/2	966.97	1/2	1,297.50	1/2	1,629.06	1/2	1,960.62	1/2	2,292.08	1/2	2,623.51	1/2	2,954.94
3/4	100.49	3/4	369.09	3/4	659.86	3/4	973.74	3/4	1,304.41	3/4	1,635.97	3/4	1,967.53	3/4	2,298.98	3/4	2,630.41	3/4	2,961.85
5	105.84	5	374.92	5	666.13	5	980.50	5	1,311.31	5	1,642.87	5	1,974.43	5	2,305.88	5	2,637.32	5	2,968.75
1/4	111.23	1/4	380.78	1/4	672.44	1/4	987.31	1/4	1,318.22	1/4	1,649.78	1/4	1,981.34	1/4	2,312.79	1/4	2,644.22	1/4	2,975.66
1/2	116.62	1/2	386.64	1/2	678.76	1/2	994.12	1/2	1,325.13	1/2	1,656.69	1/2	1,988.25	1/2	2,319.69	1/2	2,651.12	1/2	2,982.56
3/4	122.01	3/4	392.51	3/4	685.07	3/4	1,000.93	3/4	1,332.04	3/4	1,663.60	3/4	1,995.16	3/4	2,326.60	3/4	2,658.03	3/4	2,989.47
6	127.40	6	398.37	6	691.39	6	1,007.74	6	1,338.94	6	1,670.50	6	2,002.06	6	2,333.50	6	2,664.93	6	2,996.37
1/4	132.83	1/4	404.27	1/4	697.75	1/4	1,014.59	1/4	1,345.85	1/4	1,677.41	1/4	2,008.97	1/4	2,340.41	1/4	2,671.84	1/4	3,003.28
1/2	138.26	1/2	410.18	1/2	704.11	1/2	1,021.44	1/2	1,352.76	1/2	1,684.32	1/2	2,015.88	1/2	2,347.31	1/2	2,678.74	1/2	3,010.18
3/4	143.69	3/4	416.08	3/4	710.47	3/4	1,028.29	3/4	1,359.67	3/4	1,691.23	3/4	2,022.79	3/4	2,354.22	3/4	2,685.65	3/4	3,017.08
7	149.12	7	421.98	7	716.83	7	1,035.13	7	1,366.57	7	1,698.13	7	2,029.69	7	2,361.12	7	2,692.55	7	3,023.99
1/4	154.59	1/4	427.92	1/4	723.24	1/4	1,042.02	1/4	1,373.48	1/4	1,705.04	1/4	2,036.60	1/4	2,368.03	1/4	2,699.46	1/4	3,030.89
1/2	160.06	1/2	433.86	1/2	729.65	1/2	1,048.90	1/2	1,380.39	1/2	1,711.95	1/2	2,043.50	1/2	2,374.93	1/2	2,706.36	1/2	3,037.80
3/4	165.52	3/4	439.81	3/4	736.07	3/4	1,055.78	3/4	1,387.30	3/4	1,718.86	3/4	2,050.41	3/4	2,381.84	3/4	2,713.27	3/4	3,044.70
8	170.99	8	445.75	8	742.48	8	1,062.66	8	1,394.20	8	1,725.76	8	2,057.31	8	2,388.74	8	2,720.17	8	3,051.61
1/4	176.50	1/4	451.73	1/4	748.93	1/4	1,069.57	1/4	1,401.11	1/4	1,732.67	1/4	2,064.22	1/4	2,395.65	1/4	2,727.08	1/4	3,058.51
1/2	182.01	1/2	457.71	1/2	755.39	1/2	1,076.47	1/2	1,408.02	1/2	1,739.58	1/2	2,071.12	1/2	2,402.55	1/2	2,733.98	1/2	3,065.42
3/4	187.52	3/4	463.69	3/4	761.84	3/4	1,083.37	3/4	1,414.93	3/4	1,746.49	3/4	2,078.03	3/4	2,409.46	3/4	2,740.89	3/4	3,072.32
9	193.03	9	469.67	9	768.29	9	1,090.27	9	1,421.83	9	1,753.39	9	2,084.93	9	2,416.36	9	2,747.79	9	3,079.23
1/4	198.57	1/4	475.69	1/4	774.79	1/4	1,097.18	1/4	1,428.74	1/4	1,760.30	1/4	2,091.84	1/4	2,423.27	1/4	2,754.70	1/4	3,086.13
1/2	204.12	1/2	481.71	1/2	781.28	1/2	1,104.09	1/2	1,435.65	1/2	1,767.21	1/2	2,098.74	1/2	2,430.17	1/2	2,761.60	1/2	3,093.04
3/4	209.67	3/4	487.72	3/4	787.78	3/4	1,111.00	3/4	1,442.56	3/4	1,774.12	3/4	2,105.65	3/4	2,437.08	3/4	2,768.51	3/4	3,099.94
10	215.22	10	493.74	10	794.27	10	1,117.90	10	1,449.46	10	1,781.02	10	2,112.55	10	2,443.98	10	2,775.41	10	3,106.85
1/4	220.80	1/4	499.79	1/4	800.80	1/4	1,124.81	1/4	1,456.37	1/4	1,787.93	1/4	2,119.46	1/4	2,450.89	1/4	2,782.32	1/4	3,113.75
1/2	226.39	1/2	505.83	1/2	807.34	1/2	1,131.72	1/2	1,463.28	1/2	1,794.84	1/2	2,126.36	1/2	2,457.79	1/2	2,789.22	1/2	3,120.66
3/4	231.98	3/4	511.88	3/4	813.87	3/4	1,138.63	3/4	1,470.19	3/4	1,801.75	3/4	2,133.26	3/4	2,464.70	3/4	2,796.13	3/4	3,127.56
11	237.57	11	517.93	11	820.40	11	1,145.53	11	1,477.09	11	1,808.65	11	2,140.17	11	2,471.60	11	2,803.03	11	3,134.46
1/4	243.19	1/4	524.00	1/4	826.97	1/4	1,152.44	1/4	1,484.00	1/4	1,815.56	1/4	2,147.07	1/4	2,478.50	1/4	2,809.94	1/4	3,141.37
1/2	248.82	1/2	530.08	1/2	833.55	1/2	1,159.35	1/2	1,490.91	1/2	1,822.47	1/2	2,153.98	1/2	2,485.41	1/2	2,816.84	1/2	3,148.27
3/4	254.45	3/4	536.15	3/4	840.12	3/4	1,166.26	3/4	1,497.82	3/4	1,829.38	3/4	2,160.88	3/4	2,492.31	3/4	2,823.74	3/4	3,155.18

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.
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BARGE "NGL 3051"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	3,162.08	0	3,493.51	0	3,823.60	0	4,140.62	0	4,441.19	0		0		0		0		0	
1/4	3,168.99	1/4	3,500.41	1/4	3,830.36	1/4	4,147.03	1/4	4,447.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,175.89	1/2	3,507.32	1/2	3,837.12	1/2	4,153.44	1/2	4,453.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,182.80	3/4	3,514.22	3/4	3,843.88	3/4	4,159.84	3/4	4,460.07	3/4		3/4		3/4		3/4		3/4	
1	3,189.70	1	3,521.13	1	3,850.64	1	4,166.25	1	4,466.36	1		1		1		1		1	
1/4	3,196.61	1/4	3,528.03	1/4	3,857.38	1/4	4,172.63	1/4	4,472.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,203.51	1/2	3,534.94	1/2	3,864.11	1/2	4,179.01	1/2	4,479.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,210.42	3/4	3,541.84	3/4	3,870.85	3/4	4,185.39	3/4	4,486.37	3/4		3/4		3/4		3/4		3/4	
2	3,217.32	2	3,548.75	2	3,877.58	2	4,191.77	2	4,493.04	2		2		2		2		2	
1/4	3,224.23	1/4	3,555.65	1/4	3,884.29	1/4	4,198.12	1/4	4,499.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,231.13	1/2	3,562.56	1/2	3,891.00	1/2	4,204.48	1/2	4,506.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,238.04	3/4	3,569.46	3/4	3,897.70	3/4	4,210.83	3/4	4,513.64	3/4		3/4		3/4		3/4		3/4	
3	3,244.94	3	3,576.37	3	3,904.41	3	4,217.18	3	4,520.50	3		3		3		3		3	
1/4	3,251.84	1/4	3,583.27	1/4	3,911.09	1/4	4,223.51	1/4	4,527.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,258.75	1/2	3,590.17	1/2	3,917.78	1/2	4,229.84	1/2	4,534.06	1/2		1/2		1/2		1/2		1/2	
3/4	3,265.65	3/4	3,597.08	3/4	3,924.46	3/4	4,236.16	3/4	4,540.84	3/4		3/4		3/4		3/4		3/4	
4	3,272.56	4	3,603.98	4	3,931.14	4	4,242.49	4	4,547.62	4		4		4		4		4	
1/4	3,279.46	1/4	3,610.89	1/4	3,937.80	1/4	4,248.79	1/4	4,553.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,286.37	1/2	3,617.79	1/2	3,944.45	1/2	4,255.09	1/2	4,559.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,293.27	3/4	3,624.70	3/4	3,951.11	3/4	4,261.40	3/4	4,565.88	3/4		3/4		3/4		3/4		3/4	
5	3,300.18	5	3,631.60	5	3,957.76	5	4,267.70	5	4,571.97	5		5		5		5		5	
1/4	3,307.08	1/4	3,638.51	1/4	3,964.39	1/4	4,273.97	1/4	4,576.76	1/4		1/4		1/4		1/4		1/4	
1/2	3,313.99	1/2	3,645.41	1/2	3,971.02	1/2	4,280.25	1/2	4,581.55	1/2		1/2		1/2		1/2		1/2	
3/4	3,320.89	3/4	3,652.32	3/4	3,977.65	3/4	4,286.52	3/4	4,586.35	3/4		3/4		3/4		3/4		3/4	
6	3,327.80	6	3,659.22	6	3,984.28	6	4,292.80	6	4,591.14	6		6		6		6		6	
1/4	3,334.70	1/4	3,666.12	1/4	3,990.88	1/4	4,299.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,341.61	1/2	3,673.03	1/2	3,997.49	1/2	4,305.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,348.51	3/4	3,679.93	3/4	4,004.09	3/4	4,311.54	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,355.42	7	3,686.83	7	4,010.69	7	4,317.79	7		7		7		7		7		7	
1/4	3,362.32	1/4	3,693.72	1/4	4,017.27	1/4	4,324.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,369.22	1/2	3,700.61	1/2	4,023.85	1/2	4,330.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,376.13	3/4	3,707.50	3/4	4,030.42	3/4	4,336.46	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,383.03	8	3,714.38	8	4,037.00	8	4,342.68	8		8		8		8		8		8	
1/4	3,389.94	1/4	3,721.25	1/4	4,043.53	1/4	4,348.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,396.84	1/2	3,728.11	1/2	4,050.06	1/2	4,355.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,403.75	3/4	3,734.98	3/4	4,056.59	3/4	4,361.27	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,410.65	9	3,741.85	9	4,063.12	9	4,367.47	9		9		9		9		9		9	
1/4	3,417.56	1/4	3,748.68	1/4	4,069.61	1/4	4,373.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,424.46	1/2	3,755.52	1/2	4,076.09	1/2	4,379.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,431.37	3/4	3,762.36	3/4	4,082.58	3/4	4,385.98	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,438.27	10	3,769.20	10	4,089.06	10	4,392.15	10		10		10		10		10		10	
1/4	3,445.18	1/4	3,776.01	1/4	4,095.52	1/4	4,398.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,452.08	1/2	3,782.83	1/2	4,101.98	1/2	4,404.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,458.99	3/4	3,789.64	3/4	4,108.44	3/4	4,410.58	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,465.89	11	3,796.45	11	4,114.90	11	4,416.72	11		11		11		11		11		11	
1/4	3,472.79	1/4	3,803.24	1/4	4,121.33	1/4	4,422.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,479.70	1/2	3,810.03	1/2	4,127.76	1/2	4,428.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,486.60	3/4	3,816.81	3/4	4,134.19	3/4	4,435.07	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2019 SW
CALCULATED: 11/19/2019 CL
NAME CHANGE: 02/17/2020 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 3051"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	10.16	0	259.85	0	541.80	0	845.57	0	1,171.27	0	1,502.61	0	1,833.95	0	2,165.24	0	2,496.46	0	2,827.67
1/4	13.48	1/4	265.51	1/4	547.91	1/4	852.16	1/4	1,178.17	1/4	1,509.51	1/4	1,840.85	1/4	2,172.14	1/4	2,503.36	1/4	2,834.57
1/2	16.81	1/2	271.17	1/2	554.02	1/2	858.74	1/2	1,185.08	1/2	1,516.41	1/2	1,847.75	1/2	2,179.04	1/2	2,510.26	1/2	2,841.47
3/4	20.13	3/4	276.83	3/4	560.13	3/4	865.33	3/4	1,191.98	3/4	1,523.32	3/4	1,854.66	3/4	2,185.94	3/4	2,517.16	3/4	2,848.37
1	23.46	1	282.49	1	566.23	1	871.91	1	1,198.88	1	1,530.22	1	1,861.56	1	2,192.84	1	2,524.06	1	2,855.27
1/4	28.11	1/4	288.19	1/4	572.39	1/4	878.54	1/4	1,205.78	1/4	1,537.12	1/4	1,868.46	1/4	2,199.74	1/4	2,530.96	1/4	2,862.17
1/2	32.76	1/2	293.89	1/2	578.54	1/2	885.16	1/2	1,212.69	1/2	1,544.03	1/2	1,875.37	1/2	2,206.64	1/2	2,537.86	1/2	2,869.07
3/4	37.42	3/4	299.58	3/4	584.69	3/4	891.79	3/4	1,219.59	3/4	1,550.93	3/4	1,882.27	3/4	2,213.54	3/4	2,544.76	3/4	2,875.97
2	42.07	2	305.28	2	590.84	2	898.41	2	1,226.49	2	1,557.83	2	1,889.17	2	2,220.44	2	2,551.66	2	2,882.87
1/4	47.34	1/4	311.01	1/4	597.03	1/4	905.08	1/4	1,233.40	1/4	1,564.73	1/4	1,896.07	1/4	2,227.35	1/4	2,558.56	1/4	2,889.77
1/2	52.60	1/2	316.75	1/2	603.22	1/2	911.74	1/2	1,240.30	1/2	1,571.64	1/2	1,902.98	1/2	2,234.25	1/2	2,565.46	1/2	2,896.67
3/4	57.87	3/4	322.49	3/4	609.41	3/4	918.41	3/4	1,247.20	3/4	1,578.54	3/4	1,909.88	3/4	2,241.15	3/4	2,572.36	3/4	2,903.57
3	63.14	3	328.22	3	615.60	3	925.07	3	1,254.10	3	1,585.44	3	1,916.78	3	2,248.05	3	2,579.26	3	2,910.47
1/4	68.45	1/4	334.00	1/4	621.83	1/4	931.78	1/4	1,261.01	1/4	1,592.35	1/4	1,923.69	1/4	2,254.95	1/4	2,586.16	1/4	2,917.38
1/2	73.75	1/2	339.78	1/2	628.06	1/2	938.48	1/2	1,267.91	1/2	1,599.25	1/2	1,930.59	1/2	2,261.85	1/2	2,593.06	1/2	2,924.28
3/4	79.06	3/4	345.56	3/4	634.29	3/4	945.19	3/4	1,274.81	3/4	1,606.15	3/4	1,937.49	3/4	2,268.75	3/4	2,599.96	3/4	2,931.18
4	84.37	4	351.33	4	640.53	4	951.89	4	1,281.72	4	1,613.05	4	1,944.39	4	2,275.65	4	2,606.86	4	2,938.08
1/4	89.71	1/4	357.15	1/4	646.80	1/4	958.63	1/4	1,288.62	1/4	1,619.96	1/4	1,951.30	1/4	2,282.55	1/4	2,613.76	1/4	2,944.98
1/2	95.06	1/2	362.97	1/2	653.07	1/2	965.38	1/2	1,295.52	1/2	1,626.86	1/2	1,958.20	1/2	2,289.45	1/2	2,620.66	1/2	2,951.88
3/4	100.40	3/4	368.79	3/4	659.34	3/4	972.12	3/4	1,302.42	3/4	1,633.76	3/4	1,965.10	3/4	2,296.35	3/4	2,627.56	3/4	2,958.78
5	105.75	5	374.61	5	665.61	5	978.86	5	1,309.33	5	1,640.67	5	1,972.01	5	2,303.25	5	2,634.46	5	2,965.68
1/4	111.14	1/4	380.47	1/4	671.92	1/4	985.65	1/4	1,316.23	1/4	1,647.57	1/4	1,978.91	1/4	2,310.15	1/4	2,641.36	1/4	2,972.58
1/2	116.52	1/2	386.33	1/2	678.22	1/2	992.43	1/2	1,323.13	1/2	1,654.47	1/2	1,985.81	1/2	2,317.05	1/2	2,648.26	1/2	2,979.48
3/4	121.91	3/4	392.19	3/4	684.53	3/4	999.21	3/4	1,330.04	3/4	1,661.38	3/4	1,992.71	3/4	2,323.95	3/4	2,655.16	3/4	2,986.38
6	127.29	6	398.04	6	690.84	6	1,006.00	6	1,336.94	6	1,668.28	6	1,999.62	6	2,330.85	6	2,662.06	6	2,993.28
1/4	132.72	1/4	403.94	1/4	697.19	1/4	1,012.83	1/4	1,343.84	1/4	1,675.18	1/4	2,006.52	1/4	2,337.75	1/4	2,668.96	1/4	3,000.18
1/2	138.14	1/2	409.84	1/2	703.54	1/2	1,019.66	1/2	1,350.74	1/2	1,682.08	1/2	2,013.42	1/2	2,344.65	1/2	2,675.86	1/2	3,007.08
3/4	143.57	3/4	415.74	3/4	709.88	3/4	1,026.50	3/4	1,357.65	3/4	1,688.99	3/4	2,020.33	3/4	2,351.55	3/4	2,682.76	3/4	3,013.98
7	148.99	7	421.64	7	716.23	7	1,033.33	7	1,364.55	7	1,695.89	7	2,027.23	7	2,358.45	7	2,689.67	7	3,020.88
1/4	154.46	1/4	427.57	1/4	722.61	1/4	1,040.21	1/4	1,371.45	1/4	1,702.79	1/4	2,034.13	1/4	2,365.35	1/4	2,696.57	1/4	3,027.78
1/2	159.92	1/2	433.51	1/2	729.00	1/2	1,047.09	1/2	1,378.36	1/2	1,709.70	1/2	2,041.03	1/2	2,372.25	1/2	2,703.47	1/2	3,034.68
3/4	165.38	3/4	439.45	3/4	735.38	3/4	1,053.96	3/4	1,385.26	3/4	1,716.60	3/4	2,047.94	3/4	2,379.15	3/4	2,710.37	3/4	3,041.58
8	170.85	8	445.39	8	741.77	8	1,060.84	8	1,392.16	8	1,723.50	8	2,054.84	8	2,386.05	8	2,717.27	8	3,048.48
1/4	176.35	1/4	451.36	1/4	748.20	1/4	1,067.74	1/4	1,399.06	1/4	1,730.40	1/4	2,061.74	1/4	2,392.95	1/4	2,724.17	1/4	3,055.38
1/2	181.86	1/2	457.34	1/2	754.63	1/2	1,074.64	1/2	1,405.97	1/2	1,737.31	1/2	2,068.64	1/2	2,399.85	1/2	2,731.07	1/2	3,062.28
3/4	187.36	3/4	463.32	3/4	761.06	3/4	1,081.54	3/4	1,412.87	3/4	1,744.21	3/4	2,075.54	3/4	2,406.75	3/4	2,737.97	3/4	3,069.18
9	192.86	9	469.29	9	767.48	9	1,088.43	9	1,419.77	9	1,751.11	9	2,082.44	9	2,413.65	9	2,744.87	9	3,076.08
1/4	198.41	1/4	475.30	1/4	773.95	1/4	1,095.34	1/4	1,426.68	1/4	1,758.02	1/4	2,089.34	1/4	2,420.55	1/4	2,751.77	1/4	3,082.98
1/2	203.95	1/2	481.32	1/2	780.42	1/2	1,102.24	1/2	1,433.58	1/2	1,764.92	1/2	2,096.24	1/2	2,427.45	1/2	2,758.67	1/2	3,089.88
3/4	209.49	3/4	487.33	3/4	786.89	3/4	1,109.14	3/4	1,440.48	3/4	1,771.82	3/4	2,103.14	3/4	2,434.35	3/4	2,765.57	3/4	3,096.78
10	215.04	10	493.34	10	793.35	10	1,116.05	10	1,447.39	10	1,778.72	10	2,110.04	10	2,441.25	10	2,772.47	10	3,103.68
1/4	220.62	1/4	499.38	1/4	799.86	1/4	1,122.95	1/4	1,454.29	1/4	1,785.63	1/4	2,116.94	1/4	2,448.15	1/4	2,779.37	1/4	3,110.58
1/2	226.20	1/2	505.43	1/2	806.37	1/2	1,129.85	1/2	1,461.19	1/2	1,792.53	1/2	2,123.84	1/2	2,455.06	1/2	2,786.27	1/2	3,117.48
3/4	231.78	3/4	511.47	3/4	812.88	3/4	1,136.75	3/4	1,468.09	3/4	1,799.43	3/4	2,130.74	3/4	2,461.96	3/4	2,793.17	3/4	3,124.38
11	237.37	11	517.51	11	819.38	11	1,143.66	11	1,475.00	11	1,806.34	11	2,137.64	11	2,468.86	11	2,800.07	11	3,131.29
1/4	242.99	1/4	523.58	1/4	825.93	1/4	1,150.56	1/4	1,481.90	1/4	1,813.24	1/4	2,144.54	1/4	2,475.76	1/4	2,806.97	1/4	3,138.19
1/2	248.61	1/2	529.65	1/2	832.48	1/2	1,157.46	1/2	1,488.80	1/2	1,820.14	1/2	2,151.44	1/2	2,482.66	1/2	2,813.87	1/2	3,145.09
3/4	254.23	3/4	535.72	3/4	839.02	3/4	1,164.37	3/4	1,495.71	3/4	1,827.04	3/4	2,158.34	3/4	2,489.56	3/4	2,820.77	3/4	3,151.99

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 3051"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	3,158.89	0	3,490.10	0	3,819.97	0	4,136.78	0	4,437.12	0		0		0		0		0	
1/4	3,165.79	1/4	3,497.00	1/4	3,826.72	1/4	4,143.18	1/4	4,443.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,172.69	1/2	3,503.90	1/2	3,833.48	1/2	4,149.58	1/2	4,449.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,179.59	3/4	3,510.80	3/4	3,840.24	3/4	4,155.98	3/4	4,455.99	3/4		3/4		3/4		3/4		3/4	
1	3,186.49	1	3,517.70	1	3,846.99	1	4,162.38	1	4,462.27	1		1		1		1		1	
1/4	3,193.39	1/4	3,524.60	1/4	3,853.72	1/4	4,168.76	1/4	4,468.94	1/4		1/4		1/4		1/4		1/4	
1/2	3,200.29	1/2	3,531.50	1/2	3,860.45	1/2	4,175.13	1/2	4,475.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,207.19	3/4	3,538.40	3/4	3,867.18	3/4	4,181.51	3/4	4,482.27	3/4		3/4		3/4		3/4		3/4	
2	3,214.09	2	3,545.30	2	3,873.91	2	4,187.88	2	4,488.94	2		2		2		2		2	
1/4	3,220.99	1/4	3,552.20	1/4	3,880.61	1/4	4,194.23	1/4	4,495.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,227.89	1/2	3,559.10	1/2	3,887.32	1/2	4,200.58	1/2	4,502.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,234.79	3/4	3,566.00	3/4	3,894.02	3/4	4,206.93	3/4	4,509.52	3/4		3/4		3/4		3/4		3/4	
3	3,241.69	3	3,572.90	3	3,900.73	3	4,213.28	3	4,516.38	3		3		3		3		3	
1/4	3,248.59	1/4	3,579.80	1/4	3,907.40	1/4	4,219.60	1/4	4,523.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,255.49	1/2	3,586.70	1/2	3,914.08	1/2	4,225.92	1/2	4,529.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,262.39	3/4	3,593.60	3/4	3,920.76	3/4	4,232.25	3/4	4,536.70	3/4		3/4		3/4		3/4		3/4	
4	3,269.29	4	3,600.50	4	3,927.43	4	4,238.57	4	4,543.48	4		4		4		4		4	
1/4	3,276.19	1/4	3,607.40	1/4	3,934.09	1/4	4,244.87	1/4	4,549.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,283.09	1/2	3,614.30	1/2	3,940.74	1/2	4,251.16	1/2	4,555.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,289.99	3/4	3,621.20	3/4	3,947.39	3/4	4,257.46	3/4	4,561.73	3/4		3/4		3/4		3/4		3/4	
5	3,296.89	5	3,628.10	5	3,954.04	5	4,263.76	5	4,567.81	5		5		5		5		5	
1/4	3,303.79	1/4	3,635.00	1/4	3,960.66	1/4	4,270.03	1/4	4,572.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,310.69	1/2	3,641.90	1/2	3,967.29	1/2	4,276.30	1/2	4,577.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,317.59	3/4	3,648.80	3/4	3,973.91	3/4	4,282.57	3/4	4,582.18	3/4		3/4		3/4		3/4		3/4	
6	3,324.49	6	3,655.70	6	3,980.54	6	4,288.84	6	4,586.97	6		6		6		6		6	
1/4	3,331.39	1/4	3,662.60	1/4	3,987.14	1/4	4,295.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,338.29	1/2	3,669.49	1/2	3,993.74	1/2	4,301.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,345.19	3/4	3,676.39	3/4	4,000.33	3/4	4,307.57	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,352.09	7	3,683.29	7	4,006.93	7	4,313.81	7		7		7		7		7		7	
1/4	3,358.99	1/4	3,690.17	1/4	4,013.51	1/4	4,320.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,365.89	1/2	3,697.06	1/2	4,020.08	1/2	4,326.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,372.79	3/4	3,703.94	3/4	4,026.65	3/4	4,332.47	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,379.69	8	3,710.82	8	4,033.22	8	4,338.69	8		8		8		8		8		8	
1/4	3,386.59	1/4	3,717.68	1/4	4,039.75	1/4	4,344.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,393.49	1/2	3,724.55	1/2	4,046.28	1/2	4,351.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,400.39	3/4	3,731.41	3/4	4,052.80	3/4	4,357.26	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,407.29	9	3,738.27	9	4,059.33	9	4,363.45	9		9		9		9		9		9	
1/4	3,414.19	1/4	3,745.10	1/4	4,065.81	1/4	4,369.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,421.09	1/2	3,751.94	1/2	4,072.29	1/2	4,375.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,427.99	3/4	3,758.77	3/4	4,078.77	3/4	4,381.95	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,434.89	10	3,765.61	10	4,085.25	10	4,388.12	10		10		10		10		10		10	
1/4	3,441.79	1/4	3,772.41	1/4	4,091.70	1/4	4,394.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,448.69	1/2	3,779.22	1/2	4,098.16	1/2	4,400.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,455.59	3/4	3,786.03	3/4	4,104.61	3/4	4,406.53	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,462.49	11	3,792.84	11	4,111.06	11	4,412.67	11		11		11		11		11		11	
1/4	3,469.39	1/4	3,799.62	1/4	4,117.49	1/4	4,418.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,476.30	1/2	3,806.40	1/2	4,123.92	1/2	4,424.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,483.20	3/4	3,813.19	3/4	4,130.35	3/4	4,431.01	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2019 SW
CALCULATED: 11/19/2019 CL
NAME CHANGE: 02/17/2020 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 3051"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	13.83	0	388.05	0	775.53	0	1,162.61	0	1,550.29	0	1,937.98	0	2,325.67	0	2,713.30	0	3,100.84	0	3,488.38
1/4	19.21	1/4	396.13	1/4	783.58	1/4	1,170.68	1/4	1,558.37	1/4	1,946.06	1/4	2,333.74	1/4	2,721.38	1/4	3,108.92	1/4	3,496.45
1/2	24.60	1/2	404.20	1/2	791.63	1/2	1,178.76	1/2	1,566.45	1/2	1,954.13	1/2	2,341.82	1/2	2,729.45	1/2	3,116.99	1/2	3,504.53
3/4	29.98	3/4	412.28	3/4	799.69	3/4	1,186.84	3/4	1,574.52	3/4	1,962.21	3/4	2,349.90	3/4	2,737.53	3/4	3,125.06	3/4	3,512.60
1	35.36	1	420.35	1	807.74	1	1,194.91	1	1,582.60	1	1,970.29	1	2,357.97	1	2,745.60	1	3,133.14	1	3,520.67
1/4	42.77	1/4	428.43	1/4	815.79	1/4	1,202.99	1/4	1,590.68	1/4	1,978.36	1/4	2,366.05	1/4	2,753.67	1/4	3,141.21	1/4	3,528.75
1/2	50.17	1/2	436.50	1/2	823.85	1/2	1,211.07	1/2	1,598.75	1/2	1,986.44	1/2	2,374.13	1/2	2,761.75	1/2	3,149.28	1/2	3,536.82
3/4	57.58	3/4	444.57	3/4	831.90	3/4	1,219.14	3/4	1,606.83	3/4	1,994.52	3/4	2,382.20	3/4	2,769.82	3/4	3,157.36	3/4	3,544.90
2	64.98	2	452.64	2	839.95	2	1,227.22	2	1,614.91	2	2,002.59	2	2,390.28	2	2,777.89	2	3,165.43	2	3,552.97
1/4	73.06	1/4	460.72	1/4	848.01	1/4	1,235.30	1/4	1,622.98	1/4	2,010.67	1/4	2,398.36	1/4	2,785.97	1/4	3,173.51	1/4	3,561.04
1/2	81.13	1/2	468.79	1/2	856.06	1/2	1,243.37	1/2	1,631.06	1/2	2,018.75	1/2	2,406.43	1/2	2,794.04	1/2	3,181.58	1/2	3,569.12
3/4	89.21	3/4	476.86	3/4	864.12	3/4	1,251.45	3/4	1,639.14	3/4	2,026.82	3/4	2,414.51	3/4	2,802.12	3/4	3,189.65	3/4	3,577.19
3	97.29	3	484.93	3	872.17	3	1,259.53	3	1,647.21	3	2,034.90	3	2,422.59	3	2,810.19	3	3,197.73	3	3,585.26
1/4	105.36	1/4	493.01	1/4	880.23	1/4	1,267.60	1/4	1,655.29	1/4	2,042.98	1/4	2,430.66	1/4	2,818.26	1/4	3,205.80	1/4	3,593.34
1/2	113.44	1/2	501.08	1/2	888.28	1/2	1,275.68	1/2	1,663.37	1/2	2,051.05	1/2	2,438.74	1/2	2,826.34	1/2	3,213.87	1/2	3,601.41
3/4	121.52	3/4	509.16	3/4	896.34	3/4	1,283.76	3/4	1,671.44	3/4	2,059.13	3/4	2,446.82	3/4	2,834.41	3/4	3,221.95	3/4	3,609.49
4	129.59	4	517.23	4	904.39	4	1,291.84	4	1,679.52	4	2,067.21	4	2,454.89	4	2,842.48	4	3,230.02	4	3,617.56
1/4	137.67	1/4	525.31	1/4	912.45	1/4	1,299.91	1/4	1,687.60	1/4	2,075.28	1/4	2,462.97	1/4	2,850.56	1/4	3,238.10	1/4	3,625.63
1/2	145.75	1/2	533.39	1/2	920.50	1/2	1,307.99	1/2	1,695.68	1/2	2,083.36	1/2	2,471.05	1/2	2,858.63	1/2	3,246.17	1/2	3,633.71
3/4	153.82	3/4	541.46	3/4	928.56	3/4	1,316.07	3/4	1,703.75	3/4	2,091.44	3/4	2,479.12	3/4	2,866.70	3/4	3,254.24	3/4	3,641.78
5	161.90	5	549.54	5	936.61	5	1,324.14	5	1,711.83	5	2,099.52	5	2,487.20	5	2,874.78	5	3,262.32	5	3,649.86
1/4	169.98	1/4	557.62	1/4	944.67	1/4	1,332.22	1/4	1,719.91	1/4	2,107.59	1/4	2,495.28	1/4	2,882.85	1/4	3,270.39	1/4	3,657.93
1/2	178.05	1/2	565.69	1/2	952.72	1/2	1,340.30	1/2	1,727.98	1/2	2,115.67	1/2	2,503.36	1/2	2,890.93	1/2	3,278.46	1/2	3,666.00
3/4	186.13	3/4	573.77	3/4	960.78	3/4	1,348.37	3/4	1,736.06	3/4	2,123.75	3/4	2,511.43	3/4	2,899.00	3/4	3,286.54	3/4	3,674.08
6	194.21	6	581.85	6	968.83	6	1,356.45	6	1,744.14	6	2,131.82	6	2,519.51	6	2,907.07	6	3,294.61	6	3,682.15
1/4	202.29	1/4	589.93	1/4	976.90	1/4	1,364.53	1/4	1,752.21	1/4	2,139.90	1/4	2,527.59	1/4	2,915.15	1/4	3,302.68	1/4	3,690.22
1/2	210.36	1/2	598.00	1/2	984.96	1/2	1,372.60	1/2	1,760.29	1/2	2,147.98	1/2	2,535.66	1/2	2,923.22	1/2	3,310.76	1/2	3,698.30
3/4	218.44	3/4	606.08	3/4	993.02	3/4	1,380.68	3/4	1,768.37	3/4	2,156.05	3/4	2,543.74	3/4	2,931.29	3/4	3,318.83	3/4	3,706.37
7	226.52	7	614.16	7	1,001.08	7	1,388.76	7	1,776.44	7	2,164.13	7	2,551.82	7	2,939.37	7	3,326.91	7	3,714.45
1/4	234.59	1/4	622.23	1/4	1,009.16	1/4	1,396.83	1/4	1,784.52	1/4	2,172.21	1/4	2,559.89	1/4	2,947.44	1/4	3,334.98	1/4	3,722.52
1/2	242.67	1/2	630.31	1/2	1,017.23	1/2	1,404.91	1/2	1,792.60	1/2	2,180.28	1/2	2,567.97	1/2	2,955.52	1/2	3,343.05	1/2	3,730.59
3/4	250.75	3/4	638.39	3/4	1,025.30	3/4	1,412.99	3/4	1,800.67	3/4	2,188.36	3/4	2,576.05	3/4	2,963.59	3/4	3,351.13	3/4	3,738.67
8	258.82	8	646.46	8	1,033.38	8	1,421.06	8	1,808.75	8	2,196.44	8	2,584.13	8	2,971.66	8	3,359.20	8	3,746.74
1/4	266.90	1/4	654.54	1/4	1,041.45	1/4	1,429.14	1/4	1,816.83	1/4	2,204.51	1/4	2,592.20	1/4	2,979.74	1/4	3,367.27	1/4	3,754.81
1/2	274.98	1/2	662.62	1/2	1,049.53	1/2	1,437.22	1/2	1,824.90	1/2	2,212.59	1/2	2,600.27	1/2	2,987.81	1/2	3,375.35	1/2	3,762.89
3/4	283.05	3/4	670.69	3/4	1,057.61	3/4	1,445.29	3/4	1,832.98	3/4	2,220.67	3/4	2,608.35	3/4	2,995.88	3/4	3,383.42	3/4	3,770.96
9	291.13	9	678.77	9	1,065.68	9	1,453.37	9	1,841.06	9	2,228.74	9	2,616.42	9	3,003.96	9	3,391.50	9	3,779.03
1/4	299.21	1/4	686.84	1/4	1,073.76	1/4	1,461.45	1/4	1,849.13	1/4	2,236.82	1/4	2,624.49	1/4	3,012.03	1/4	3,399.57	1/4	3,787.11
1/2	307.28	1/2	694.92	1/2	1,081.84	1/2	1,469.52	1/2	1,857.21	1/2	2,244.90	1/2	2,632.57	1/2	3,020.11	1/2	3,407.64	1/2	3,795.18
3/4	315.36	3/4	702.99	3/4	1,089.92	3/4	1,477.60	3/4	1,865.29	3/4	2,252.97	3/4	2,640.64	3/4	3,028.18	3/4	3,415.72	3/4	3,803.26
10	323.44	10	711.06	10	1,097.99	10	1,485.68	10	1,873.36	10	2,261.05	10	2,648.72	10	3,036.25	10	3,423.79	10	3,811.33
1/4	331.51	1/4	719.13	1/4	1,106.07	1/4	1,493.76	1/4	1,881.44	1/4	2,269.13	1/4	2,656.79	1/4	3,044.33	1/4	3,431.86	1/4	3,819.40
1/2	339.59	1/2	727.19	1/2	1,114.15	1/2	1,501.83	1/2	1,889.52	1/2	2,277.20	1/2	2,664.86	1/2	3,052.40	1/2	3,439.94	1/2	3,827.48
3/4	347.67	3/4	735.25	3/4	1,122.22	3/4	1,509.91	3/4	1,897.60	3/4	2,285.28	3/4	2,672.94	3/4	3,060.47	3/4	3,448.01	3/4	3,835.55
11	355.74	11	743.31	11	1,130.30	11	1,517.99	11	1,905.67	11	2,293.36	11	2,681.01	11	3,068.55	11	3,456.08	11	3,843.62
1/4	363.82	1/4	751.37	1/4	1,138.38	1/4	1,526.06	1/4	1,913.75	1/4	2,301.44	1/4	2,689.08	1/4	3,076.62	1/4	3,464.16	1/4	3,851.70
1/2	371.90	1/2	759.42	1/2	1,146.45	1/2	1,534.14	1/2	1,921.83	1/2	2,309.51	1/2	2,697.16	1/2	3,084.69	1/2	3,472.23	1/2	3,859.77
3/4	379.97	3/4	767.48	3/4	1,154.53	3/4	1,542.22	3/4	1,929.90	3/4	2,317.59	3/4	2,705.23	3/4	3,092.77	3/4	3,480.31	3/4	3,867.84

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 3051"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	3,875.92	0	4,263.45	0	4,649.42	0	5,020.10	0	5,371.51	0		0		0		0		0	
1/4	3,883.99	1/4	4,271.52	1/4	4,657.32	1/4	5,027.59	1/4	5,378.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,892.06	1/2	4,279.60	1/2	4,665.23	1/2	5,035.08	1/2	5,386.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,900.14	3/4	4,287.67	3/4	4,673.13	3/4	5,042.57	3/4	5,393.57	3/4		3/4		3/4		3/4		3/4	
1	3,908.21	1	4,295.74	1	4,681.04	1	5,050.06	1	5,400.93	1		1		1		1		1	
1/4	3,916.29	1/4	4,303.82	1/4	4,688.91	1/4	5,057.51	1/4	5,408.73	1/4		1/4		1/4		1/4		1/4	
1/2	3,924.36	1/2	4,311.89	1/2	4,696.79	1/2	5,064.97	1/2	5,416.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,932.43	3/4	4,319.97	3/4	4,704.66	3/4	5,072.43	3/4	5,424.33	3/4		3/4		3/4		3/4		3/4	
2	3,940.51	2	4,328.04	2	4,712.54	2	5,079.89	2	5,432.13	2		2		2		2		2	
1/4	3,948.58	1/4	4,336.11	1/4	4,720.38	1/4	5,087.32	1/4	5,440.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,956.65	1/2	4,344.19	1/2	4,728.22	1/2	5,094.75	1/2	5,448.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,964.73	3/4	4,352.26	3/4	4,736.07	3/4	5,102.18	3/4	5,456.21	3/4		3/4		3/4		3/4		3/4	
3	3,972.80	3	4,360.33	3	4,743.91	3	5,109.61	3	5,464.24	3		3		3		3		3	
1/4	3,980.87	1/4	4,368.41	1/4	4,751.72	1/4	5,117.00	1/4	5,472.16	1/4		1/4		1/4		1/4		1/4	
1/2	3,988.95	1/2	4,376.48	1/2	4,759.54	1/2	5,124.40	1/2	5,480.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,997.02	3/4	4,384.55	3/4	4,767.35	3/4	5,131.80	3/4	5,488.01	3/4		3/4		3/4		3/4		3/4	
4	4,005.10	4	4,392.63	4	4,775.16	4	5,139.20	4	5,495.94	4		4		4		4		4	
1/4	4,013.17	1/4	4,400.70	1/4	4,782.94	1/4	5,146.56	1/4	5,503.06	1/4		1/4		1/4		1/4		1/4	
1/2	4,021.24	1/2	4,408.78	1/2	4,790.73	1/2	5,153.93	1/2	5,510.18	1/2		1/2		1/2		1/2		1/2	
3/4	4,029.32	3/4	4,416.85	3/4	4,798.51	3/4	5,161.30	3/4	5,517.30	3/4		3/4		3/4		3/4		3/4	
5	4,037.39	5	4,424.92	5	4,806.29	5	5,168.66	5	5,524.42	5		5		5		5		5	
1/4	4,045.46	1/4	4,433.00	1/4	4,814.04	1/4	5,176.00	1/4	5,530.02	1/4		1/4		1/4		1/4		1/4	
1/2	4,053.54	1/2	4,441.07	1/2	4,821.79	1/2	5,183.34	1/2	5,535.62	1/2		1/2		1/2		1/2		1/2	
3/4	4,061.61	3/4	4,449.14	3/4	4,829.54	3/4	5,190.67	3/4	5,541.23	3/4		3/4		3/4		3/4		3/4	
6	4,069.68	6	4,457.22	6	4,837.30	6	5,198.01	6	5,546.83	6		6		6		6		6	
1/4	4,077.76	1/4	4,465.29	1/4	4,845.02	1/4	5,205.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,085.83	1/2	4,473.36	1/2	4,852.74	1/2	5,212.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,093.91	3/4	4,481.43	3/4	4,860.46	3/4	5,219.93	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,101.98	7	4,489.50	7	4,868.18	7	5,227.23	7		7		7		7		7		7	
1/4	4,110.05	1/4	4,497.55	1/4	4,875.87	1/4	5,234.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,118.13	1/2	4,505.60	1/2	4,883.56	1/2	5,241.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,126.20	3/4	4,513.66	3/4	4,891.25	3/4	5,249.06	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,134.27	8	4,521.71	8	4,898.94	8	5,256.33	8		8		8		8		8		8	
1/4	4,142.35	1/4	4,529.74	1/4	4,906.58	1/4	5,263.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,150.42	1/2	4,537.77	1/2	4,914.21	1/2	5,270.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,158.49	3/4	4,545.80	3/4	4,921.85	3/4	5,278.07	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,166.57	9	4,553.82	9	4,929.48	9	5,285.31	9		9		9		9		9		9	
1/4	4,174.64	1/4	4,561.82	1/4	4,937.07	1/4	5,292.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,182.71	1/2	4,569.82	1/2	4,944.65	1/2	5,299.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,190.79	3/4	4,577.81	3/4	4,952.23	3/4	5,306.95	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,198.86	10	4,585.81	10	4,959.81	10	5,314.16	10		10		10		10		10		10	
1/4	4,206.94	1/4	4,593.78	1/4	4,967.36	1/4	5,321.35	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,215.01	1/2	4,601.74	1/2	4,974.91	1/2	5,328.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,223.08	3/4	4,609.71	3/4	4,982.46	3/4	5,335.71	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,231.16	11	4,617.68	11	4,990.02	11	5,342.90	11		11		11		11		11		11	
1/4	4,239.23	1/4	4,625.61	1/4	4,997.54	1/4	5,350.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,247.30	1/2	4,633.55	1/2	5,005.06	1/2	5,357.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,255.38	3/4	4,641.48	3/4	5,012.58	3/4	5,364.35	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2019 SW
CALCULATED: 11/19/2019 CL
NAME CHANGE: 02/17/2020 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 3051"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	13.84	0	388.40	0	771.94	0	1,144.67	0	1,525.97	0	1,914.01	0	2,302.04	0	2,690.02	0	3,077.90	0	3,465.79
1/4	19.23	1/4	396.48	1/4	779.69	1/4	1,152.45	1/4	1,534.06	1/4	1,922.09	1/4	2,310.12	1/4	2,698.10	1/4	3,085.99	1/4	3,473.87
1/2	24.62	1/2	404.56	1/2	787.44	1/2	1,160.23	1/2	1,542.14	1/2	1,930.17	1/2	2,318.21	1/2	2,706.18	1/2	3,094.07	1/2	3,481.95
3/4	30.01	3/4	412.65	3/4	795.20	3/4	1,168.01	3/4	1,550.23	3/4	1,938.26	3/4	2,326.29	3/4	2,714.26	3/4	3,102.15	3/4	3,490.03
1	35.40	1	420.73	1	802.95	1	1,175.79	1	1,558.31	1	1,946.34	1	2,334.37	1	2,722.35	1	3,110.23	1	3,498.11
1/4	42.81	1/4	428.81	1/4	810.71	1/4	1,183.56	1/4	1,566.39	1/4	1,954.43	1/4	2,342.46	1/4	2,730.43	1/4	3,118.31	1/4	3,506.19
1/2	50.22	1/2	436.89	1/2	818.46	1/2	1,191.34	1/2	1,574.48	1/2	1,962.51	1/2	2,350.54	1/2	2,738.51	1/2	3,126.39	1/2	3,514.27
3/4	57.63	3/4	444.97	3/4	826.22	3/4	1,199.12	3/4	1,582.56	3/4	1,970.59	3/4	2,358.63	3/4	2,746.59	3/4	3,134.47	3/4	3,522.35
2	65.04	2	453.05	2	833.97	2	1,206.90	2	1,590.65	2	1,978.68	2	2,366.71	2	2,754.67	2	3,142.55	2	3,530.44
1/4	73.12	1/4	461.13	1/4	841.73	1/4	1,214.68	1/4	1,598.73	1/4	1,986.76	1/4	2,374.79	1/4	2,762.75	1/4	3,150.63	1/4	3,538.52
1/2	81.20	1/2	469.21	1/2	849.48	1/2	1,222.45	1/2	1,606.81	1/2	1,994.85	1/2	2,382.88	1/2	2,770.83	1/2	3,158.71	1/2	3,546.60
3/4	89.29	3/4	477.28	3/4	857.24	3/4	1,230.23	3/4	1,614.90	3/4	2,002.93	3/4	2,390.96	3/4	2,778.91	3/4	3,166.79	3/4	3,554.68
3	97.37	3	485.36	3	864.99	3	1,238.01	3	1,622.98	3	2,011.01	3	2,399.05	3	2,786.99	3	3,174.88	3	3,562.76
1/4	105.46	1/4	493.45	1/4	872.75	1/4	1,245.79	1/4	1,631.07	1/4	2,019.10	1/4	2,407.13	1/4	2,795.07	1/4	3,182.96	1/4	3,570.84
1/2	113.54	1/2	501.53	1/2	880.51	1/2	1,253.57	1/2	1,639.15	1/2	2,027.18	1/2	2,415.21	1/2	2,803.15	1/2	3,191.04	1/2	3,578.92
3/4	121.62	3/4	509.61	3/4	888.26	3/4	1,261.35	3/4	1,647.23	3/4	2,035.27	3/4	2,423.30	3/4	2,811.24	3/4	3,199.12	3/4	3,587.00
4	129.71	4	517.69	4	896.02	4	1,269.12	4	1,655.32	4	2,043.35	4	2,431.38	4	2,819.32	4	3,207.20	4	3,595.08
1/4	137.79	1/4	525.78	1/4	903.78	1/4	1,276.90	1/4	1,663.40	1/4	2,051.43	1/4	2,439.47	1/4	2,827.40	1/4	3,215.28	1/4	3,603.16
1/2	145.88	1/2	533.86	1/2	911.53	1/2	1,284.68	1/2	1,671.49	1/2	2,059.52	1/2	2,447.55	1/2	2,835.48	1/2	3,223.36	1/2	3,611.25
3/4	153.96	3/4	541.95	3/4	919.29	3/4	1,292.46	3/4	1,679.57	3/4	2,067.60	3/4	2,455.63	3/4	2,843.56	3/4	3,231.44	3/4	3,619.33
5	162.04	5	550.03	5	927.04	5	1,300.24	5	1,687.65	5	2,075.69	5	2,463.72	5	2,851.64	5	3,239.52	5	3,627.41
1/4	170.13	1/4	558.11	1/4	934.80	1/4	1,308.17	1/4	1,695.74	1/4	2,083.77	1/4	2,471.80	1/4	2,859.72	1/4	3,247.60	1/4	3,635.49
1/2	178.21	1/2	566.20	1/2	942.56	1/2	1,316.10	1/2	1,703.82	1/2	2,091.85	1/2	2,479.89	1/2	2,867.80	1/2	3,255.68	1/2	3,643.57
3/4	186.30	3/4	574.28	3/4	950.31	3/4	1,324.03	3/4	1,711.91	3/4	2,099.94	3/4	2,487.97	3/4	2,875.88	3/4	3,263.77	3/4	3,651.65
6	194.38	6	582.37	6	958.07	6	1,331.96	6	1,719.99	6	2,108.02	6	2,496.05	6	2,883.96	6	3,271.85	6	3,659.73
1/4	202.46	1/4	590.45	1/4	965.83	1/4	1,340.04	1/4	1,728.07	1/4	2,116.11	1/4	2,504.14	1/4	2,892.04	1/4	3,279.93	1/4	3,667.81
1/2	210.55	1/2	598.53	1/2	973.60	1/2	1,348.13	1/2	1,736.16	1/2	2,124.19	1/2	2,512.22	1/2	2,900.13	1/2	3,288.01	1/2	3,675.89
3/4	218.63	3/4	606.62	3/4	981.36	3/4	1,356.21	3/4	1,744.24	3/4	2,132.27	3/4	2,520.31	3/4	2,908.21	3/4	3,296.09	3/4	3,683.97
7	226.72	7	614.70	7	989.12	7	1,364.29	7	1,752.33	7	2,140.36	7	2,528.39	7	2,916.29	7	3,304.17	7	3,692.06
1/4	234.80	1/4	622.79	1/4	996.90	1/4	1,372.38	1/4	1,760.41	1/4	2,148.44	1/4	2,536.48	1/4	2,924.37	1/4	3,312.25	1/4	3,700.14
1/2	242.88	1/2	630.87	1/2	1,004.67	1/2	1,380.46	1/2	1,768.49	1/2	2,156.53	1/2	2,544.56	1/2	2,932.45	1/2	3,320.33	1/2	3,708.22
3/4	250.97	3/4	638.95	3/4	1,012.45	3/4	1,388.55	3/4	1,776.58	3/4	2,164.61	3/4	2,552.64	3/4	2,940.53	3/4	3,328.41	3/4	3,716.30
8	259.05	8	647.04	8	1,020.22	8	1,396.63	8	1,784.66	8	2,172.69	8	2,560.73	8	2,948.61	8	3,336.49	8	3,724.38
1/4	267.14	1/4	654.97	1/4	1,028.00	1/4	1,404.71	1/4	1,792.75	1/4	2,180.78	1/4	2,568.81	1/4	2,956.69	1/4	3,344.57	1/4	3,732.46
1/2	275.22	1/2	662.90	1/2	1,035.78	1/2	1,412.80	1/2	1,800.83	1/2	2,188.86	1/2	2,576.89	1/2	2,964.77	1/2	3,352.66	1/2	3,740.54
3/4	283.30	3/4	670.83	3/4	1,043.56	3/4	1,420.88	3/4	1,808.91	3/4	2,196.95	3/4	2,584.97	3/4	2,972.85	3/4	3,360.74	3/4	3,748.62
9	291.39	9	678.76	9	1,051.34	9	1,428.97	9	1,817.00	9	2,205.03	9	2,593.05	9	2,980.93	9	3,368.82	9	3,756.70
1/4	299.47	1/4	686.54	1/4	1,059.11	1/4	1,437.05	1/4	1,825.08	1/4	2,213.11	1/4	2,601.13	1/4	2,989.01	1/4	3,376.90	1/4	3,764.78
1/2	307.56	1/2	694.31	1/2	1,066.89	1/2	1,445.13	1/2	1,833.17	1/2	2,221.20	1/2	2,609.21	1/2	2,997.10	1/2	3,384.98	1/2	3,772.86
3/4	315.64	3/4	702.09	3/4	1,074.67	3/4	1,453.22	3/4	1,841.25	3/4	2,229.28	3/4	2,617.29	3/4	3,005.18	3/4	3,393.06	3/4	3,780.94
10	323.72	10	709.86	10	1,082.45	10	1,461.30	10	1,849.33	10	2,237.37	10	2,625.37	10	3,013.26	10	3,401.14	10	3,789.03
1/4	331.81	1/4	717.63	1/4	1,090.23	1/4	1,469.39	1/4	1,857.42	1/4	2,245.45	1/4	2,633.46	1/4	3,021.34	1/4	3,409.22	1/4	3,797.11
1/2	339.89	1/2	725.39	1/2	1,098.01	1/2	1,477.47	1/2	1,865.50	1/2	2,253.53	1/2	2,641.54	1/2	3,029.42	1/2	3,417.30	1/2	3,805.19
3/4	347.98	3/4	733.15	3/4	1,105.78	3/4	1,485.55	3/4	1,873.59	3/4	2,261.62	3/4	2,649.62	3/4	3,037.50	3/4	3,425.38	3/4	3,813.27
11	356.06	11	740.92	11	1,113.56	11	1,493.64	11	1,881.67	11	2,269.70	11	2,657.70	11	3,045.58	11	3,433.46	11	3,821.35
1/4	364.14	1/4	748.67	1/4	1,121.34	1/4	1,501.72	1/4	1,889.75	1/4	2,277.79	1/4	2,665.78	1/4	3,053.66	1/4	3,441.55	1/4	3,829.43
1/2	372.23	1/2	756.43	1/2	1,129.12	1/2	1,509.81	1/2	1,897.84	1/2	2,285.87	1/2	2,673.86	1/2	3,061.74	1/2	3,449.63	1/2	3,837.51
3/4	380.31	3/4	764.18	3/4	1,136.90	3/4	1,517.89	3/4	1,905.92	3/4	2,293.95	3/4	2,681.94	3/4	3,069.82	3/4	3,457.71	3/4	3,845.59

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 3051"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	3,853.67	0	4,241.55	0	4,627.86	0	4,998.89	0	5,350.64	0		0		0		0		0	
1/4	3,861.75	1/4	4,249.63	1/4	4,635.78	1/4	5,006.38	1/4	5,358.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,869.83	1/2	4,257.71	1/2	4,643.69	1/2	5,013.88	1/2	5,365.37	1/2		1/2		1/2		1/2		1/2	
3/4	3,877.91	3/4	4,265.79	3/4	4,651.60	3/4	5,021.38	3/4	5,372.73	3/4		3/4		3/4		3/4		3/4	
1	3,885.99	1	4,273.87	1	4,659.51	1	5,028.88	1	5,380.09	1		1		1		1		1	
1/4	3,894.08	1/4	4,281.95	1/4	4,667.39	1/4	5,036.34	1/4	5,387.90	1/4		1/4		1/4		1/4		1/4	
1/2	3,902.16	1/2	4,290.03	1/2	4,675.28	1/2	5,043.81	1/2	5,395.71	1/2		1/2		1/2		1/2		1/2	
3/4	3,910.24	3/4	4,298.12	3/4	4,683.16	3/4	5,051.27	3/4	5,403.52	3/4		3/4		3/4		3/4		3/4	
2	3,918.32	2	4,306.20	2	4,691.04	2	5,058.74	2	5,411.32	2		2		2		2		2	
1/4	3,926.40	1/4	4,314.28	1/4	4,698.89	1/4	5,066.18	1/4	5,419.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,934.48	1/2	4,322.36	1/2	4,706.74	1/2	5,073.61	1/2	5,427.39	1/2		1/2		1/2		1/2		1/2	
3/4	3,942.56	3/4	4,330.44	3/4	4,714.59	3/4	5,081.05	3/4	5,435.42	3/4		3/4		3/4		3/4		3/4	
3	3,950.64	3	4,338.52	3	4,722.44	3	5,088.48	3	5,443.46	3		3		3		3		3	
1/4	3,958.72	1/4	4,346.60	1/4	4,730.26	1/4	5,095.89	1/4	5,451.39	1/4		1/4		1/4		1/4		1/4	
1/2	3,966.80	1/2	4,354.68	1/2	4,738.08	1/2	5,103.29	1/2	5,459.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,974.88	3/4	4,362.76	3/4	4,745.90	3/4	5,110.70	3/4	5,467.26	3/4		3/4		3/4		3/4		3/4	
4	3,982.96	4	4,370.84	4	4,753.72	4	5,118.10	4	5,475.19	4		4		4		4		4	
1/4	3,991.05	1/4	4,378.92	1/4	4,761.51	1/4	5,125.48	1/4	5,482.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,999.13	1/2	4,387.00	1/2	4,769.30	1/2	5,132.85	1/2	5,489.44	1/2		1/2		1/2		1/2		1/2	
3/4	4,007.21	3/4	4,395.09	3/4	4,777.09	3/4	5,140.23	3/4	5,496.56	3/4		3/4		3/4		3/4		3/4	
5	4,015.29	5	4,403.17	5	4,784.88	5	5,147.60	5	5,503.69	5		5		5		5		5	
1/4	4,023.37	1/4	4,411.25	1/4	4,792.64	1/4	5,154.94	1/4	5,509.29	1/4		1/4		1/4		1/4		1/4	
1/2	4,031.45	1/2	4,419.33	1/2	4,800.40	1/2	5,162.29	1/2	5,514.90	1/2		1/2		1/2		1/2		1/2	
3/4	4,039.53	3/4	4,427.41	3/4	4,808.16	3/4	5,169.63	3/4	5,520.51	3/4		3/4		3/4		3/4		3/4	
6	4,047.61	6	4,435.49	6	4,815.91	6	5,176.97	6	5,526.12	6		6		6		6		6	
1/4	4,055.69	1/4	4,443.57	1/4	4,823.64	1/4	5,184.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,063.77	1/2	4,451.64	1/2	4,831.37	1/2	5,191.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,071.85	3/4	4,459.72	3/4	4,839.10	3/4	5,198.91	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,079.93	7	4,467.80	7	4,846.83	7	5,206.22	7		7		7		7		7		7	
1/4	4,088.01	1/4	4,475.86	1/4	4,854.52	1/4	5,213.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,096.10	1/2	4,483.92	1/2	4,862.22	1/2	5,220.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,104.18	3/4	4,491.98	3/4	4,869.92	3/4	5,228.07	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,112.26	8	4,500.04	8	4,877.62	8	5,235.35	8		8		8		8		8		8	
1/4	4,120.34	1/4	4,508.08	1/4	4,885.26	1/4	5,242.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,128.42	1/2	4,516.11	1/2	4,892.90	1/2	5,249.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,136.50	3/4	4,524.15	3/4	4,900.55	3/4	5,257.11	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,144.58	9	4,532.18	9	4,908.19	9	5,264.36	9		9		9		9		9		9	
1/4	4,152.66	1/4	4,540.19	1/4	4,915.78	1/4	5,271.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,160.74	1/2	4,548.19	1/2	4,923.37	1/2	5,278.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,168.82	3/4	4,556.20	3/4	4,930.96	3/4	5,286.02	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,176.90	10	4,564.20	10	4,938.54	10	5,293.24	10		10		10		10		10		10	
1/4	4,184.98	1/4	4,572.17	1/4	4,946.10	1/4	5,300.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,193.07	1/2	4,580.15	1/2	4,953.66	1/2	5,307.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,201.15	3/4	4,588.12	3/4	4,961.22	3/4	5,314.81	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,209.23	11	4,596.09	11	4,968.78	11	5,322.00	11		11		11		11		11		11	
1/4	4,217.31	1/4	4,604.04	1/4	4,976.30	1/4	5,329.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,225.39	1/2	4,611.98	1/2	4,983.83	1/2	5,336.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,233.47	3/4	4,619.92	3/4	4,991.36	3/4	5,343.48	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2019 SW
CALCULATED: 11/19/2019 CL
NAME CHANGE: 02/17/2020 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 3051"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	12.90	0	361.39	0	719.45	0	1,073.16	0	1,434.02	0	1,794.86	0	2,155.19	0	2,515.91	0	2,876.46	0	3,237.01
1/4	17.91	1/4	368.91	1/4	726.75	1/4	1,080.68	1/4	1,441.53	1/4	1,802.37	1/4	2,162.69	1/4	2,523.42	1/4	2,883.97	1/4	3,244.52
1/2	22.93	1/2	376.43	1/2	734.06	1/2	1,088.20	1/2	1,449.05	1/2	1,809.89	1/2	2,170.20	1/2	2,530.93	1/2	2,891.48	1/2	3,252.03
3/4	27.94	3/4	383.94	3/4	741.36	3/4	1,095.72	3/4	1,456.57	3/4	1,817.41	3/4	2,177.70	3/4	2,538.45	3/4	2,898.99	3/4	3,259.54
1	32.96	1	391.46	1	748.66	1	1,103.23	1	1,464.09	1	1,824.93	1	2,185.21	1	2,545.96	1	2,906.50	1	3,267.05
1/4	39.85	1/4	398.98	1/4	755.96	1/4	1,110.75	1/4	1,471.60	1/4	1,832.44	1/4	2,192.71	1/4	2,553.47	1/4	2,914.02	1/4	3,274.56
1/2	46.75	1/2	406.50	1/2	763.26	1/2	1,118.27	1/2	1,479.12	1/2	1,839.96	1/2	2,200.22	1/2	2,560.98	1/2	2,921.53	1/2	3,282.07
3/4	53.64	3/4	414.01	3/4	770.56	3/4	1,125.79	3/4	1,486.64	3/4	1,847.48	3/4	2,207.72	3/4	2,568.49	3/4	2,929.04	3/4	3,289.59
2	60.53	2	421.53	2	777.87	2	1,133.31	2	1,494.16	2	1,855.00	2	2,215.23	2	2,576.00	2	2,936.55	2	3,297.10
1/4	68.06	1/4	429.05	1/4	785.17	1/4	1,140.82	1/4	1,501.67	1/4	1,862.51	1/4	2,222.74	1/4	2,583.51	1/4	2,944.06	1/4	3,304.61
1/2	75.58	1/2	436.56	1/2	792.47	1/2	1,148.34	1/2	1,509.19	1/2	1,870.02	1/2	2,230.25	1/2	2,591.02	1/2	2,951.57	1/2	3,312.12
3/4	83.10	3/4	444.08	3/4	799.78	3/4	1,155.86	3/4	1,516.71	3/4	1,877.53	3/4	2,237.76	3/4	2,598.54	3/4	2,959.08	3/4	3,319.63
3	90.62	3	451.60	3	807.08	3	1,163.38	3	1,524.23	3	1,885.04	3	2,245.28	3	2,606.05	3	2,966.59	3	3,327.14
1/4	98.14	1/4	459.12	1/4	814.38	1/4	1,170.90	1/4	1,531.74	1/4	1,892.54	1/4	2,252.80	1/4	2,613.56	1/4	2,974.11	1/4	3,334.65
1/2	105.66	1/2	466.64	1/2	821.69	1/2	1,178.41	1/2	1,539.26	1/2	1,900.04	1/2	2,260.32	1/2	2,621.07	1/2	2,981.62	1/2	3,342.16
3/4	113.18	3/4	474.16	3/4	828.99	3/4	1,185.93	3/4	1,546.78	3/4	1,907.55	3/4	2,267.84	3/4	2,628.58	3/4	2,989.13	3/4	3,349.68
4	120.71	4	481.68	4	836.30	4	1,193.45	4	1,554.30	4	1,915.05	4	2,275.36	4	2,636.09	4	2,996.64	4	3,357.19
1/4	128.23	1/4	489.20	1/4	843.60	1/4	1,200.97	1/4	1,561.81	1/4	1,922.56	1/4	2,282.88	1/4	2,643.60	1/4	3,004.15	1/4	3,364.64
1/2	135.75	1/2	496.72	1/2	850.90	1/2	1,208.49	1/2	1,569.33	1/2	1,930.06	1/2	2,290.40	1/2	2,651.12	1/2	3,011.66	1/2	3,372.10
3/4	143.27	3/4	504.24	3/4	858.21	3/4	1,216.00	3/4	1,576.85	3/4	1,937.57	3/4	2,297.92	3/4	2,658.63	3/4	3,019.17	3/4	3,379.56
5	150.79	5	511.76	5	865.51	5	1,223.52	5	1,584.37	5	1,945.07	5	2,305.44	5	2,666.14	5	3,026.69	5	3,387.01
1/4	158.31	1/4	519.28	1/4	872.81	1/4	1,231.04	1/4	1,591.88	1/4	1,952.57	1/4	2,312.96	1/4	2,673.65	1/4	3,034.20	1/4	3,394.41
1/2	165.83	1/2	526.80	1/2	880.12	1/2	1,238.56	1/2	1,599.40	1/2	1,960.08	1/2	2,320.48	1/2	2,681.16	1/2	3,041.71	1/2	3,401.81
3/4	173.35	3/4	534.33	3/4	887.42	3/4	1,246.08	3/4	1,606.92	3/4	1,967.58	3/4	2,328.00	3/4	2,688.67	3/4	3,049.22	3/4	3,409.22
6	180.88	6	541.85	6	894.73	6	1,253.59	6	1,614.44	6	1,975.09	6	2,335.52	6	2,696.18	6	3,056.73	6	3,416.62
1/4	188.40	1/4	549.37	1/4	902.04	1/4	1,261.11	1/4	1,621.95	1/4	1,982.59	1/4	2,343.05	1/4	2,703.70	1/4	3,064.24	1/4	3,424.02
1/2	195.92	1/2	556.89	1/2	909.35	1/2	1,268.63	1/2	1,629.47	1/2	1,990.10	1/2	2,350.57	1/2	2,711.21	1/2	3,071.75	1/2	3,431.42
3/4	203.44	3/4	564.41	3/4	916.66	3/4	1,276.15	3/4	1,636.99	3/4	1,997.60	3/4	2,358.09	3/4	2,718.72	3/4	3,079.27	3/4	3,438.82
7	210.96	7	571.93	7	923.97	7	1,283.67	7	1,644.51	7	2,005.10	7	2,365.61	7	2,726.23	7	3,086.78	7	3,446.22
1/4	218.48	1/4	579.45	1/4	931.29	1/4	1,291.18	1/4	1,652.02	1/4	2,012.61	1/4	2,373.13	1/4	2,733.74	1/4	3,094.29	1/4	3,453.62
1/2	226.00	1/2	586.97	1/2	938.61	1/2	1,298.70	1/2	1,659.54	1/2	2,020.11	1/2	2,380.65	1/2	2,741.25	1/2	3,101.80	1/2	3,461.02
3/4	233.52	3/4	594.50	3/4	945.94	3/4	1,306.22	3/4	1,667.06	3/4	2,027.62	3/4	2,388.17	3/4	2,748.76	3/4	3,109.31	3/4	3,468.42
8	241.05	8	602.02	8	953.26	8	1,313.74	8	1,674.58	8	2,035.12	8	2,395.69	8	2,756.28	8	3,116.82	8	3,475.82
1/4	248.57	1/4	609.44	1/4	960.68	1/4	1,321.25	1/4	1,682.09	1/4	2,042.63	1/4	2,403.20	1/4	2,763.79	1/4	3,124.33	1/4	3,483.22
1/2	256.09	1/2	616.86	1/2	968.10	1/2	1,328.77	1/2	1,689.61	1/2	2,050.13	1/2	2,410.72	1/2	2,771.30	1/2	3,131.85	1/2	3,490.62
3/4	263.61	3/4	624.29	3/4	975.52	3/4	1,336.29	3/4	1,697.13	3/4	2,057.63	3/4	2,418.24	3/4	2,778.81	3/4	3,139.36	3/4	3,498.02
9	271.13	9	631.71	9	982.95	9	1,343.81	9	1,704.65	9	2,065.14	9	2,425.76	9	2,786.32	9	3,146.87	9	3,505.42
1/4	278.65	1/4	639.03	1/4	990.46	1/4	1,351.32	1/4	1,712.16	1/4	2,072.64	1/4	2,433.27	1/4	2,793.83	1/4	3,154.38	1/4	3,512.82
1/2	286.17	1/2	646.35	1/2	997.98	1/2	1,358.84	1/2	1,719.68	1/2	2,080.15	1/2	2,440.79	1/2	2,801.34	1/2	3,161.89	1/2	3,520.23
3/4	293.69	3/4	653.68	3/4	1,005.50	3/4	1,366.36	3/4	1,727.20	3/4	2,087.65	3/4	2,448.30	3/4	2,808.86	3/4	3,169.40	3/4	3,527.63
10	301.22	10	661.00	10	1,013.02	10	1,373.88	10	1,734.72	10	2,095.16	10	2,455.82	10	2,816.37	10	3,176.91	10	3,535.03
1/4	308.74	1/4	668.31	1/4	1,020.54	1/4	1,381.39	1/4	1,742.23	1/4	2,102.66	1/4	2,463.33	1/4	2,823.88	1/4	3,184.43	1/4	3,542.48
1/2	316.26	1/2	675.62	1/2	1,028.05	1/2	1,388.91	1/2	1,749.75	1/2	2,110.16	1/2	2,470.84	1/2	2,831.39	1/2	3,191.94	1/2	3,549.94
3/4	323.78	3/4	682.93	3/4	1,035.57	3/4	1,396.43	3/4	1,757.27	3/4	2,117.67	3/4	2,478.35	3/4	2,838.90	3/4	3,199.45	3/4	3,557.39
11	331.30	11	690.24	11	1,043.09	11	1,403.95	11	1,764.79	11	2,125.17	11	2,485.87	11	2,846.41	11	3,206.96	11	3,564.85
1/4	338.82	1/4	697.55	1/4	1,050.61	1/4	1,411.46	1/4	1,772.30	1/4	2,132.68	1/4	2,493.38	1/4	2,853.92	1/4	3,214.47	1/4	3,571.87
1/2	346.34	1/2	704.85	1/2	1,058.13	1/2	1,418.98	1/2	1,779.82	1/2	2,140.18	1/2	2,500.89	1/2	2,861.44	1/2	3,221.98	1/2	3,578.90
3/4	353.87	3/4	712.15	3/4	1,065.64	3/4	1,426.50	3/4	1,787.34	3/4	2,147.69	3/4	2,508.40	3/4	2,868.95	3/4	3,229.49	3/4	3,585.93

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 3051"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	3,592.95	0	3,861.95	0	4,127.54	0	4,379.04	0	4,612.31	0		0		0		0		0	
1/4	3,599.00	1/4	3,867.52	1/4	4,132.95	1/4	4,384.07	1/4	4,617.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,605.06	1/2	3,873.08	1/2	4,138.35	1/2	4,389.10	1/2	4,621.99	1/2		1/2		1/2		1/2		1/2	
3/4	3,611.11	3/4	3,878.65	3/4	4,143.76	3/4	4,394.13	3/4	4,626.83	3/4		3/4		3/4		3/4		3/4	
1	3,617.16	1	3,884.21	1	4,149.17	1	4,399.16	1	4,631.67	1		1		1		1		1	
1/4	3,622.72	1/4	3,889.77	1/4	4,154.55	1/4	4,404.16	1/4	4,636.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,628.29	1/2	3,895.34	1/2	4,159.92	1/2	4,409.17	1/2	4,642.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,633.85	3/4	3,900.90	3/4	4,165.30	3/4	4,414.17	3/4	4,647.43	3/4		3/4		3/4		3/4		3/4	
2	3,639.41	2	3,906.46	2	4,170.68	2	4,419.17	2	4,652.69	2		2		2		2		2	
1/4	3,644.98	1/4	3,912.03	1/4	4,176.03	1/4	4,424.14	1/4	4,658.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,650.54	1/2	3,917.59	1/2	4,181.38	1/2	4,429.12	1/2	4,663.62	1/2		1/2		1/2		1/2		1/2	
3/4	3,656.11	3/4	3,923.15	3/4	4,186.73	3/4	4,434.09	3/4	4,669.08	3/4		3/4		3/4		3/4		3/4	
3	3,661.67	3	3,928.72	3	4,192.07	3	4,439.06	3	4,674.55	3		3		3		3		3	
1/4	3,667.23	1/4	3,934.28	1/4	4,197.39	1/4	4,444.01	1/4	4,679.92	1/4		1/4		1/4		1/4		1/4	
1/2	3,672.80	1/2	3,939.84	1/2	4,202.72	1/2	4,448.95	1/2	4,685.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.36	3/4	3,945.41	3/4	4,208.04	3/4	4,453.90	3/4	4,690.66	3/4		3/4		3/4		3/4		3/4	
4	3,683.92	4	3,950.97	4	4,213.36	4	4,458.84	4	4,696.03	4		4		4		4		4	
1/4	3,689.49	1/4	3,956.53	1/4	4,218.65	1/4	4,463.76	1/4	4,700.65	1/4		1/4		1/4		1/4		1/4	
1/2	3,695.05	1/2	3,962.10	1/2	4,223.94	1/2	4,468.68	1/2	4,705.27	1/2		1/2		1/2		1/2		1/2	
3/4	3,700.61	3/4	3,967.66	3/4	4,229.23	3/4	4,473.59	3/4	4,709.89	3/4		3/4		3/4		3/4		3/4	
5	3,706.18	5	3,973.22	5	4,234.52	5	4,478.51	5	4,714.51	5		5		5		5		5	
1/4	3,711.74	1/4	3,978.79	1/4	4,239.79	1/4	4,483.40	1/4	4,717.72	1/4		1/4		1/4		1/4		1/4	
1/2	3,717.30	1/2	3,984.35	1/2	4,245.05	1/2	4,488.29	1/2	4,720.93	1/2		1/2		1/2		1/2		1/2	
3/4	3,722.87	3/4	3,989.92	3/4	4,250.31	3/4	4,493.17	3/4	4,724.14	3/4		3/4		3/4		3/4		3/4	
6	3,728.43	6	3,995.48	6	4,255.58	6	4,498.06	6	4,727.35	6		6		6		6		6	
1/4	3,733.99	1/4	4,001.04	1/4	4,260.81	1/4	4,502.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,739.56	1/2	4,006.60	1/2	4,266.05	1/2	4,507.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,745.12	3/4	4,012.16	3/4	4,271.28	3/4	4,512.64	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,750.68	7	4,017.72	7	4,276.52	7	4,517.50	7		7		7		7		7		7	
1/4	3,756.25	1/4	4,023.26	1/4	4,281.72	1/4	4,522.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,761.81	1/2	4,028.81	1/2	4,286.93	1/2	4,527.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,767.38	3/4	4,034.35	3/4	4,292.13	3/4	4,531.99	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,772.94	8	4,039.90	8	4,297.34	8	4,536.82	8		8		8		8		8		8	
1/4	3,778.50	1/4	4,045.42	1/4	4,302.50	1/4	4,541.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,784.07	1/2	4,050.94	1/2	4,307.66	1/2	4,546.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,789.63	3/4	4,056.46	3/4	4,312.82	3/4	4,551.23	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,795.19	9	4,061.98	9	4,317.99	9	4,556.03	9		9		9		9		9		9	
1/4	3,800.76	1/4	4,067.47	1/4	4,323.10	1/4	4,560.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,806.32	1/2	4,072.97	1/2	4,328.22	1/2	4,565.51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,811.88	3/4	4,078.46	3/4	4,333.34	3/4	4,570.25	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,817.45	10	4,083.95	10	4,338.45	10	4,574.99	10		10		10		10		10		10	
1/4	3,823.01	1/4	4,089.41	1/4	4,343.54	1/4	4,579.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,828.57	1/2	4,094.88	1/2	4,348.63	1/2	4,584.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,834.14	3/4	4,100.34	3/4	4,353.72	3/4	4,589.03	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,839.70	11	4,105.80	11	4,358.80	11	4,593.71	11		11		11		11		11		11	
1/4	3,845.26	1/4	4,111.24	1/4	4,363.86	1/4	4,598.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,850.83	1/2	4,116.67	1/2	4,368.92	1/2	4,603.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,856.39	3/4	4,122.11	3/4	4,373.98	3/4	4,607.66	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2019 SW
CALCULATED: 11/19/2019 CL
NAME CHANGE: 02/17/2020 PMA

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020



BARGE "NGL 3051"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	12.94	0	362.24	0	717.01	0	1,061.34	0	1,422.60	0	1,783.30	0	2,140.27	0	2,501.46	0	2,862.41	0	3,223.46
1/4	17.97	1/4	369.77	1/4	724.03	1/4	1,068.86	1/4	1,430.12	1/4	1,790.74	1/4	2,147.79	1/4	2,508.98	1/4	2,869.94	1/4	3,230.98
1/2	23.00	1/2	377.30	1/2	731.06	1/2	1,076.38	1/2	1,437.65	1/2	1,798.17	1/2	2,155.30	1/2	2,516.50	1/2	2,877.46	1/2	3,238.50
3/4	28.03	3/4	384.83	3/4	738.08	3/4	1,083.90	3/4	1,445.17	3/4	1,805.61	3/4	2,162.82	3/4	2,524.01	3/4	2,884.98	3/4	3,246.03
1	33.07	1	392.37	1	745.10	1	1,091.42	1	1,452.70	1	1,813.04	1	2,170.34	1	2,531.53	1	2,922.50	1	3,253.55
1/4	39.98	1/4	399.90	1/4	752.13	1/4	1,098.95	1/4	1,460.23	1/4	1,820.48	1/4	2,177.85	1/4	2,539.05	1/4	2,900.02	1/4	3,261.07
1/2	46.90	1/2	407.43	1/2	759.15	1/2	1,106.47	1/2	1,467.75	1/2	1,827.91	1/2	2,185.37	1/2	2,546.56	1/2	2,907.55	1/2	3,268.59
3/4	53.82	3/4	414.96	3/4	766.18	3/4	1,114.00	3/4	1,475.28	3/4	1,835.35	3/4	2,192.88	3/4	2,554.08	3/4	2,915.07	3/4	3,276.11
2	60.73	2	422.49	2	773.21	2	1,121.53	2	1,482.80	2	1,842.79	2	2,200.40	2	2,561.60	2	2,922.59	2	3,283.64
1/4	68.28	1/4	430.02	1/4	780.23	1/4	1,129.06	1/4	1,490.33	1/4	1,850.21	1/4	2,207.92	1/4	2,569.11	1/4	2,930.11	1/4	3,291.16
1/2	75.83	1/2	437.55	1/2	787.26	1/2	1,136.59	1/2	1,497.86	1/2	1,857.64	1/2	2,215.45	1/2	2,576.63	1/2	2,937.63	1/2	3,298.68
3/4	83.37	3/4	445.08	3/4	794.29	3/4	1,144.11	3/4	1,505.38	3/4	1,865.07	3/4	2,222.97	3/4	2,584.15	3/4	2,945.15	3/4	3,306.20
3	90.92	3	452.61	3	801.31	3	1,151.64	3	1,512.91	3	1,872.50	3	2,230.50	3	2,591.66	3	2,952.68	3	3,313.72
1/4	98.47	1/4	460.14	1/4	808.34	1/4	1,159.17	1/4	1,520.43	1/4	1,879.92	1/4	2,238.03	1/4	2,599.18	1/4	2,960.20	1/4	3,321.24
1/2	106.01	1/2	467.67	1/2	815.37	1/2	1,166.70	1/2	1,527.96	1/2	1,887.35	1/2	2,245.56	1/2	2,606.70	1/2	2,967.72	1/2	3,328.77
3/4	113.56	3/4	475.21	3/4	822.39	3/4	1,174.23	3/4	1,535.49	3/4	1,894.77	3/4	2,253.09	3/4	2,614.21	3/4	2,975.24	3/4	3,336.29
4	121.11	4	482.74	4	829.42	4	1,181.76	4	1,543.01	4	1,902.19	4	2,260.63	4	2,621.73	4	2,982.76	4	3,343.81
1/4	128.65	1/4	490.28	1/4	836.45	1/4	1,189.28	1/4	1,550.54	1/4	1,909.61	1/4	2,268.16	1/4	2,629.25	1/4	2,990.29	1/4	3,351.28
1/2	136.19	1/2	497.81	1/2	843.47	1/2	1,196.81	1/2	1,558.06	1/2	1,917.04	1/2	2,275.69	1/2	2,636.77	1/2	2,997.81	1/2	3,358.74
3/4	143.73	3/4	505.34	3/4	850.50	3/4	1,204.34	3/4	1,565.59	3/4	1,924.46	3/4	2,283.22	3/4	2,644.29	3/4	3,005.33	3/4	3,366.21
5	151.27	5	512.88	5	857.53	5	1,211.86	5	1,573.12	5	1,931.88	5	2,290.76	5	2,651.80	5	3,012.85	5	3,373.67
1/4	158.80	1/4	520.41	1/4	864.55	1/4	1,219.39	1/4	1,580.64	1/4	1,939.30	1/4	2,298.29	1/4	2,659.33	1/4	3,020.37	1/4	3,381.08
1/2	166.34	1/2	527.95	1/2	871.57	1/2	1,226.92	1/2	1,588.17	1/2	1,946.73	1/2	2,305.82	1/2	2,666.85	1/2	3,027.89	1/2	3,388.49
3/4	173.87	3/4	535.48	3/4	878.59	3/4	1,234.44	3/4	1,595.69	3/4	1,954.15	3/4	2,313.36	3/4	2,674.37	3/4	3,035.42	3/4	3,395.91
6	181.40	6	543.02	6	885.61	6	1,241.97	6	1,603.22	6	1,961.57	6	2,320.89	6	2,681.89	6	3,042.94	6	3,403.32
1/4	188.94	1/4	550.55	1/4	892.64	1/4	1,249.50	1/4	1,610.75	1/4	1,968.99	1/4	2,328.42	1/4	2,689.41	1/4	3,050.46	1/4	3,410.73
1/2	196.47	1/2	558.09	1/2	899.68	1/2	1,257.02	1/2	1,618.27	1/2	1,976.42	1/2	2,335.95	1/2	2,696.94	1/2	3,057.98	1/2	3,418.14
3/4	204.01	3/4	565.62	3/4	906.71	3/4	1,264.55	3/4	1,625.80	3/4	1,983.84	3/4	2,343.49	3/4	2,704.46	3/4	3,065.50	3/4	3,425.55
7	211.54	7	573.16	7	913.74	7	1,272.08	7	1,633.32	7	1,991.26	7	2,351.02	7	2,711.98	7	3,073.03	7	3,432.96
1/4	219.08	1/4	580.69	1/4	920.79	1/4	1,279.60	1/4	1,640.85	1/4	1,998.68	1/4	2,358.55	1/4	2,719.50	1/4	3,080.55	1/4	3,440.38
1/2	226.61	1/2	588.23	1/2	927.84	1/2	1,287.13	1/2	1,648.38	1/2	2,006.11	1/2	2,366.08	1/2	2,727.02	1/2	3,088.07	1/2	3,447.80
3/4	234.15	3/4	595.76	3/4	934.89	3/4	1,294.65	3/4	1,655.90	3/4	2,013.53	3/4	2,373.61	3/4	2,734.54	3/4	3,095.59	3/4	3,455.21
8	241.68	8	603.29	8	941.94	8	1,302.18	8	1,663.43	8	2,020.95	8	2,381.14	8	2,742.07	8	3,103.11	8	3,462.63
1/4	249.22	1/4	610.59	1/4	949.23	1/4	1,309.71	1/4	1,670.95	1/4	2,028.37	1/4	2,388.67	1/4	2,749.59	1/4	3,110.63	1/4	3,470.05
1/2	256.75	1/2	617.89	1/2	956.52	1/2	1,317.23	1/2	1,678.48	1/2	2,035.79	1/2	2,396.20	1/2	2,757.11	1/2	3,118.16	1/2	3,477.47
3/4	264.29	3/4	625.19	3/4	963.80	3/4	1,324.76	3/4	1,686.01	3/4	2,043.22	3/4	2,403.73	3/4	2,764.63	3/4	3,125.68	3/4	3,484.90
9	271.82	9	632.49	9	971.09	9	1,332.28	9	1,693.53	9	2,050.64	9	2,411.25	9	2,772.15	9	3,133.20	9	3,492.32
1/4	279.35	1/4	639.55	1/4	978.61	1/4	1,339.81	1/4	1,701.06	1/4	2,058.06	1/4	2,418.77	1/4	2,779.67	1/4	3,140.72	1/4	3,499.74
1/2	286.89	1/2	646.61	1/2	986.13	1/2	1,347.34	1/2	1,708.58	1/2	2,065.48	1/2	2,426.29	1/2	2,787.20	1/2	3,148.24	1/2	3,507.16
3/4	294.42	3/4	653.68	3/4	993.65	3/4	1,354.86	3/4	1,716.11	3/4	2,072.91	3/4	2,433.81	3/4	2,794.72	3/4	3,155.76	3/4	3,514.59
10	301.96	10	660.74	10	1,001.17	10	1,362.39	10	1,723.64	10	2,080.33	10	2,441.33	10	2,802.24	10	3,163.29	10	3,522.01
1/4	309.49	1/4	667.78	1/4	1,008.70	1/4	1,369.91	1/4	1,731.12	1/4	2,087.80	1/4	2,448.85	1/4	2,809.76	1/4	3,170.81	1/4	3,529.49
1/2	317.03	1/2	674.82	1/2	1,016.22	1/2	1,377.44	1/2	1,738.60	1/2	2,095.27	1/2	2,456.37	1/2	2,817.28	1/2	3,178.33	1/2	3,536.96
3/4	324.56	3/4	681.86	3/4	1,023.74	3/4	1,384.97	3/4	1,746.08	3/4	2,102.74	3/4	2,463.88	3/4	2,824.81	3/4	3,185.85	3/4	3,544.44
11	332.10	11	688.91	11	1,031.26	11	1,392.49	11	1,753.56	11	2,110.21	11	2,471.40	11	2,832.33	11	3,193.37	11	3,551.92
1/4	339.63	1/4	695.93	1/4	1,038.78	1/4	1,400.02	1/4	1,761.00	1/4	2,117.72	1/4	2,478.92	1/4	2,839.85	1/4	3,200.90	1/4	3,559.37
1/2	347.17	1/2	702.96	1/2	1,046.30	1/2	1,407.54	1/2	1,768.43	1/2	2,125.24	1/2	2,486.43	1/2	2,847.37	1/2	3,208.42	1/2	3,566.82
3/4	354.70	3/4	709.98	3/4	1,053.82	3/4	1,415.07	3/4	1,775.87	3/4	2,132.75	3/4	2,493.95	3/4	2,854.89	3/4	3,215.94	3/4	3,574.29

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 3051"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "BKF 301"

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	3,580.12	0	3,850.32	0	4,117.11	0	4,369.80	0	4,604.27	0		0		0		0		0	
1/4	3,586.19	1/4	3,855.91	1/4	4,122.54	1/4	4,374.86	1/4	4,609.14	1/4		1/4		1/4		1/4		1/4	
1/2	3,592.27	1/2	3,861.50	1/2	4,127.97	1/2	4,379.92	1/2	4,614.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,598.35	3/4	3,867.08	3/4	4,133.40	3/4	4,384.97	3/4	4,618.87	3/4		3/4		3/4		3/4		3/4	
1	3,604.43	1	3,872.67	1	4,138.83	1	4,390.03	1	4,623.73	1		1		1		1		1	
1/4	3,610.01	1/4	3,878.26	1/4	4,144.23	1/4	4,395.05	1/4	4,629.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,615.60	1/2	3,883.85	1/2	4,149.64	1/2	4,400.08	1/2	4,634.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,621.19	3/4	3,889.44	3/4	4,155.04	3/4	4,405.11	3/4	4,639.57	3/4		3/4		3/4		3/4		3/4	
2	3,626.78	2	3,895.03	2	4,160.44	2	4,410.14	2	4,644.85	2		2		2		2		2	
1/4	3,632.37	1/4	3,900.62	1/4	4,165.82	1/4	4,415.13	1/4	4,650.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.96	1/2	3,906.20	1/2	4,171.19	1/2	4,420.13	1/2	4,655.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,643.54	3/4	3,911.79	3/4	4,176.56	3/4	4,425.13	3/4	4,661.32	3/4		3/4		3/4		3/4		3/4	
3	3,649.13	3	3,917.38	3	4,181.94	3	4,430.13	3	4,666.81	3		3		3		3		3	
1/4	3,654.72	1/4	3,922.97	1/4	4,187.28	1/4	4,435.10	1/4	4,672.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,660.31	1/2	3,928.56	1/2	4,192.63	1/2	4,440.07	1/2	4,677.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,665.90	3/4	3,934.15	3/4	4,197.98	3/4	4,445.04	3/4	4,683.00	3/4		3/4		3/4		3/4		3/4	
4	3,671.49	4	3,939.74	4	4,203.32	4	4,450.01	4	4,688.40	4		4		4		4		4	
1/4	3,677.08	1/4	3,945.32	1/4	4,208.64	1/4	4,454.95	1/4	4,693.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,682.66	1/2	3,950.91	1/2	4,213.95	1/2	4,459.89	1/2	4,697.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,688.25	3/4	3,956.50	3/4	4,219.27	3/4	4,464.83	3/4	4,702.32	3/4		3/4		3/4		3/4		3/4	
5	3,693.84	5	3,962.09	5	4,224.59	5	4,469.77	5	4,706.96	5		5		5		5		5	
1/4	3,699.43	1/4	3,967.68	1/4	4,229.88	1/4	4,474.69	1/4	4,710.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,705.02	1/2	3,973.27	1/2	4,235.17	1/2	4,479.60	1/2	4,713.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,710.61	3/4	3,978.85	3/4	4,240.45	3/4	4,484.51	3/4	4,716.64	3/4		3/4		3/4		3/4		3/4	
6	3,716.20	6	3,984.44	6	4,245.74	6	4,489.43	6	4,719.87	6		6		6		6		6	
1/4	3,721.78	1/4	3,990.03	1/4	4,251.00	1/4	4,494.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,727.37	1/2	3,995.61	1/2	4,256.26	1/2	4,499.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,732.96	3/4	4,001.20	3/4	4,261.52	3/4	4,504.08	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,738.55	7	4,006.78	7	4,266.78	7	4,508.96	7		7		7		7		7		7	
1/4	3,744.14	1/4	4,012.35	1/4	4,272.01	1/4	4,513.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,749.73	1/2	4,017.92	1/2	4,277.24	1/2	4,518.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,755.31	3/4	4,023.49	3/4	4,282.47	3/4	4,523.53	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,760.90	8	4,029.06	8	4,287.71	8	4,528.38	8		8		8		8		8		8	
1/4	3,766.49	1/4	4,034.61	1/4	4,292.89	1/4	4,533.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.08	1/2	4,040.15	1/2	4,298.08	1/2	4,538.04	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,777.67	3/4	4,045.70	3/4	4,303.26	3/4	4,542.87	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,783.26	9	4,051.25	9	4,308.45	9	4,547.69	9		9		9		9		9		9	
1/4	3,788.85	1/4	4,056.76	1/4	4,313.59	1/4	4,552.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,794.43	1/2	4,062.28	1/2	4,318.73	1/2	4,557.22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,800.02	3/4	4,067.80	3/4	4,323.88	3/4	4,561.99	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,805.61	10	4,073.31	10	4,329.02	10	4,566.75	10		10		10		10		10		10	
1/4	3,811.20	1/4	4,078.80	1/4	4,334.13	1/4	4,571.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,816.79	1/2	4,084.29	1/2	4,339.24	1/2	4,576.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,822.38	3/4	4,089.78	3/4	4,344.36	3/4	4,580.87	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,827.97	11	4,095.27	11	4,349.47	11	4,585.57	11		11		11		11		11		11	
1/4	3,833.55	1/4	4,100.73	1/4	4,354.55	1/4	4,590.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,839.14	1/2	4,106.19	1/2	4,359.64	1/2	4,594.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,844.73	3/4	4,111.65	3/4	4,364.72	3/4	4,599.60	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/18/2019 SW
CALCULATED: 11/19/2019 CL
NAME CHANGE: 02/17/2020 PMA

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020