

**CHAS. MARTIN**  
Inspectors  
of Petroleum, Inc.  
INDEPENDENT LICENSED INSPECTION

**BARGE "AS-H"**  
ARTHUR SMITH CORPORATION

18954

NUMBER  
3

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN  
ST. LOUIS SHIP HULL NO. 4693

0 FEET	1 FEET	2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	13 FEET
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	228.63	480.67	733.15	985.63	1,238.11	1,490.59	1,743.07	1,995.55	2,248.03	2,500.51	2,752.99	3,005.47	3,256.64
1/4	2.03	233.89	485.93	738.41	990.89	1,243.37	1,495.85	1,748.33	2,000.81	2,253.29	2,505.77	2,758.25	3,010.73
1/2	2.97	239.15	491.19	743.67	996.15	1,248.63	1,501.11	1,753.59	2,006.07	2,258.55	2,511.03	2,763.51	3,015.99
3/4	3.92	244.41	496.45	748.93	1,001.41	1,253.89	1,506.37	1,758.85	2,011.33	2,263.81	2,516.29	2,768.77	3,021.25
1	6.78	249.67	501.71	754.19	1,006.67	1,259.15	1,511.63	1,764.11	2,016.59	2,269.07	2,521.55	2,774.03	3,026.51
1 1/4	9.64	254.93	506.97	759.45	1,011.93	1,264.41	1,516.89	1,769.37	2,021.85	2,274.33	2,526.81	2,779.29	3,031.77
1 1/2	12.50	260.19	512.23	764.71	1,017.19	1,269.67	1,522.15	1,774.63	2,027.11	2,279.59	2,532.07	2,784.55	3,037.03
1 3/4	15.36	265.45	517.49	769.97	1,022.45	1,274.93	1,527.41	1,779.89	2,032.37	2,284.85	2,537.33	2,789.81	3,042.29
2	19.87	270.71	522.75	775.23	1,027.71	1,280.19	1,532.67	1,785.15	2,037.63	2,290.11	2,542.59	2,795.07	3,047.55
2 1/4	24.43	275.97	528.01	780.49	1,032.97	1,285.45	1,537.93	1,790.41	2,042.89	2,295.37	2,547.85	2,800.33	3,052.81
2 1/2	28.96	281.23	533.27	785.75	1,038.23	1,290.71	1,543.19	1,795.67	2,048.15	2,300.63	2,553.11	2,805.59	3,058.07
2 3/4	34.21	286.49	538.53	791.01	1,043.49	1,295.97	1,548.45	1,800.93	2,053.41	2,305.89	2,558.37	2,810.85	3,063.33
3	39.46	291.75	543.79	796.27	1,048.75	1,301.23	1,553.71	1,806.19	2,058.67	2,311.15	2,563.63	2,816.11	3,068.59
3 1/4	44.71	297.01	549.05	801.53	1,054.01	1,306.49	1,559.97	1,811.45	2,063.93	2,316.41	2,568.89	2,821.37	3,073.85
3 1/2	49.97	302.27	554.31	806.79	1,059.27	1,311.75	1,564.23	1,816.71	2,069.19	2,321.67	2,574.15	2,826.63	3,079.11
4	55.22	307.53	559.57	812.05	1,064.53	1,317.01	1,569.49	1,821.97	2,074.45	2,326.93	2,579.41	2,831.89	3,084.37
4 1/4	60.47	312.78	564.83	817.31	1,069.79	1,322.27	1,574.75	1,827.23	2,079.71	2,332.19	2,584.67	2,837.15	3,089.63
4 1/2	65.72	318.03	570.09	822.57	1,075.05	1,327.53	1,580.01	1,832.49	2,084.97	2,337.45	2,589.93	2,842.41	3,094.89
4 3/4	70.97	323.27	575.35	827.83	1,080.31	1,332.79	1,585.27	1,837.75	2,090.23	2,342.71	2,595.19	2,847.67	3,100.15
5	76.22	328.52	580.61	833.09	1,085.57	1,338.05	1,590.53	1,843.01	2,095.49	2,347.97	2,600.45	2,852.93	3,105.41
5 1/4	81.47	333.76	585.87	838.35	1,090.83	1,343.31	1,595.79	1,848.27	2,100.75	2,353.23	2,605.71	2,858.19	3,110.67
5 1/2	86.72	339.01	591.13	843.61	1,096.09	1,348.57	1,601.05	1,853.53	2,106.01	2,358.49	2,610.97	2,863.45	3,115.93
5 3/4	91.97	344.26	596.39	848.87	1,101.35	1,353.83	1,606.31	1,858.79	2,111.27	2,363.75	2,616.23	2,868.71	3,121.19
6	102.49	354.75	606.91	859.65	1,111.87	1,364.35	1,616.83	1,869.31	2,121.79	2,374.27	2,626.75	2,879.23	3,131.71
6 1/4	107.73	359.99	612.17	864.65	1,117.13	1,369.61	1,622.09	1,874.57	2,127.05	2,379.53	2,632.01	2,884.49	3,136.97
6 1/2	112.99	365.24	617.43	869.91	1,122.39	1,374.87	1,627.35	1,879.83	2,132.31	2,384.79	2,637.27	2,889.75	3,142.23
6 3/4	118.23	370.49	622.69	875.17	1,127.65	1,380.13	1,632.61	1,885.09	2,137.57	2,390.05	2,642.53	2,895.01	3,147.49
7	123.48	375.73	627.95	880.43	1,132.91	1,385.39	1,637.87	1,890.35	2,142.83	2,395.31	2,647.79	2,900.27	3,152.75
7 1/4	128.73	380.98	633.21	885.69	1,138.17	1,390.65	1,643.13	1,895.61	2,148.09	2,400.57	2,653.05	2,905.53	3,158.01
7 1/2	133.98	386.22	638.47	890.95	1,143.43	1,395.91	1,648.39	1,900.87	2,153.35	2,405.83	2,658.31	2,910.79	3,163.27
7 3/4	139.23	391.47	643.73	896.21	1,148.69	1,401.17	1,653.65	1,906.13	2,158.61	2,411.09	2,663.57	2,916.05	3,168.53
8	144.48	396.72	648.99	901.47	1,153.95	1,406.43	1,658.91	1,911.39	2,163.87	2,416.35	2,668.83	2,921.31	3,173.79
8 1/4	149.73	401.96	654.25	906.73	1,159.21	1,411.69	1,664.17	1,916.65	2,169.13	2,421.61	2,674.09	2,926.57	3,179.05
8 1/2	154.99	407.21	659.51	911.99	1,164.47	1,416.95	1,669.43	1,921.91	2,174.39	2,426.87	2,679.35	2,931.83	3,184.31
8 3/4	160.25	412.45	664.77	917.25	1,169.73	1,422.21	1,674.69	1,927.17	2,179.65	2,432.13	2,684.61	2,937.09	3,189.57
9	165.51	417.70	670.03	922.51	1,174.99	1,427.47	1,679.95	1,932.43	2,184.91	2,437.39	2,689.87	2,942.35	3,194.83
9 1/4	170.77	422.95	675.29	927.77	1,180.25	1,432.73	1,685.21	1,937.69	2,190.17	2,442.65	2,695.13	2,947.61	3,200.09
9 1/2	176.03	428.19	680.55	933.03	1,185.51	1,437.99	1,690.47	1,942.95	2,195.43	2,447.91	2,700.39	2,952.87	3,205.35
9 3/4	181.29	433.44	685.81	938.29	1,190.77	1,443.25	1,695.73	1,948.21	2,200.69	2,453.17	2,705.65	2,958.13	3,210.61
10	186.55	438.69	691.07	943.55	1,196.03	1,448.51	1,700.99	1,953.47	2,205.95	2,458.43	2,710.91	2,963.39	3,215.87
10 1/4	191.81	443.93	696.33	948.81	1,201.29	1,453.77	1,706.25	1,958.73	2,211.21	2,463.69	2,716.17	2,968.65	3,221.13
10 1/2	197.07	449.18	701.59	954.07	1,206.55	1,459.03	1,711.51	1,963.99	2,216.47	2,468.95	2,721.43	2,973.91	3,226.39
10 3/4	202.33	454.42	706.85	959.33	1,211.81	1,464.29	1,716.77	1,969.25	2,221.73	2,474.21	2,726.69	2,979.17	3,231.65
11	207.59	459.67	712.11	964.59	1,217.07	1,469.55	1,722.03	1,974.51	2,226.99	2,479.47	2,731.95	2,984.43	3,236.91
11 1/4	212.85	464.91	717.37	969.85	1,222.33	1,474.81	1,727.29	1,979.77	2,232.25	2,484.73	2,737.21	2,989.69	3,242.17
11 1/2	218.11	470.16	722.63	975.11	1,227.59	1,480.07	1,732.55	1,985.03	2,237.51	2,489.99	2,742.47	2,994.95	3,247.43
11 3/4	223.37	475.41	727.89	980.37	1,232.85	1,485.33	1,737.81	1,990.29	2,242.77	2,495.25	2,747.73	2,999.99	3,252.69

CALCULATED 3/4/80

*H. J. Johnston*

CAPACITY IN: 42-GALLON BARRELS  
CAPACITY BELOW STRIKE PLATE.  
GAUGE HEIGHT: 15'-7 3/4" (RIM OF 2" DIA. STANDPIPE NEAR CENTER OF COMPARTMENT)



CHAS MARTIN  
Inspector  
of Petroleum, Inc.  
INDEPENDENT LICENSED INSPECTION

**BARGE** ~~NO. 15~~ **IB 954**

ARTHUR SMITH CORPORATION

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

TAN  
NUMB

0	FEET	1	FEET	2	FEET	3	FEET	4	FEET	5	FEET	6	FEET	7	FEET	8	FEET	9	FEET	10	FEET	11	FEET	12	FEET
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0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN
0	1.02	0	2.25	0	4.75	0	7.74	0	12.23	0	19.10	0	28.40	0	40.10	0	54.50	0	71.50	0	91.00	0	113.00	0	138.00
1	1.92	1	2.10	1	4.54	1	7.54	1	12.03	1	19.90	1	29.80	1	42.70	1	58.60	1	77.50	1	99.40	1	124.30	1	152.20
2	2.81	2	3.70	2	7.97	2	13.97	2	22.90	2	34.80	2	50.70	2	70.60	2	94.50	2	122.40	2	154.30	2	190.20	2	229.10
3	3.70	3	4.90	3	10.24	3	18.24	3	29.17	3	44.10	3	63.00	3	85.90	3	112.80	3	143.70	3	178.60	3	217.50	3	259.40
4	4.60	4	6.40	4	14.58	4	26.58	4	41.51	4	60.40	4	83.30	4	110.20	4	141.10	4	176.00	4	214.90	4	256.80	4	301.70
5	5.50	5	7.70	5	18.46	5	33.46	5	52.39	5	75.30	5	103.20	5	135.10	5	171.00	5	210.90	5	254.80	5	302.70	5	354.60
6	6.40	6	9.20	6	22.32	6	41.32	6	64.25	6	91.15	6	122.00	6	156.90	6	195.80	6	238.70	6	285.60	6	336.50	6	391.40
7	7.30	7	10.50	7	26.24	7	48.24	7	74.17	7	104.10	7	138.00	7	175.90	7	216.80	7	261.70	7	310.60	7	363.50	7	420.40
8	8.20	8	11.80	8	30.16	8	55.16	8	84.09	8	117.00	8	154.90	8	196.80	8	242.70	8	292.60	8	346.50	8	404.40	8	466.30
9	9.10	9	13.70	9	34.08	9	63.08	9	96.01	9	133.90	9	175.80	9	221.70	9	271.60	9	325.50	9	383.40	9	445.30	9	511.20
10	1.00	10	1.88	10	4.76	10	8.76	10	13.75	10	19.75	10	26.75	10	34.75	10	43.75	10	53.75	10	64.75	10	76.75	10	89.75
11	1.92	11	2.81	11	7.69	11	14.69	11	22.69	11	31.69	11	41.69	11	52.69	11	64.69	11	77.69	11	91.69	11	106.69	11	122.69
12	2.81	12	3.70	12	10.58	12	19.58	12	29.58	12	40.58	12	52.58	12	65.58	12	79.58	12	94.58	12	110.58	12	127.58	12	145.58
13	3.70	13	4.90	13	14.46	13	27.46	13	42.39	13	59.30	13	79.20	13	102.10	13	128.00	13	156.90	13	188.80	13	224.70	13	264.60
14	4.60	14	6.40	14	18.32	14	34.32	14	53.25	14	75.15	14	101.00	14	130.90	14	164.80	14	202.70	14	244.60	14	291.50	14	343.40
15	5.50	15	7.70	15	22.24	15	42.24	15	65.17	15	92.07	15	122.90	15	157.80	15	196.70	15	239.60	15	286.50	15	337.40	15	393.30
16	6.40	16	9.20	16	26.16	16	49.16	16	75.09	16	104.00	16	136.90	16	173.80	16	214.70	16	259.60	16	308.50	16	361.40	16	418.30
17	7.30	17	10.50	17	30.08	17	56.08	17	84.01	17	115.90	17	151.80	17	191.70	17	235.60	17	283.50	17	335.40	17	391.30	17	452.20
18	8.20	18	11.80	18	34.00	18	63.00	18	95.93	18	132.80	18	173.70	18	218.60	18	267.50	18	319.40	18	374.30	18	433.20	18	496.10
19	9.10	19	13.70	19	37.92	19	70.92	19	107.85	19	148.70	19	193.60	19	242.50	19	294.40	19	349.30	19	408.20	19	471.10	19	538.00
20	1.00	20	1.88	20	4.76	20	8.76	20	13.75	20	19.75	20	26.75	20	34.75	20	43.75	20	53.75	20	64.75	20	76.75	20	89.75
21	1.92	21	2.81	21	7.69	21	14.69	21	22.69	21	31.69	21	41.69	21	52.69	21	64.69	21	77.69	21	91.69	21	106.69	21	122.69
22	2.81	22	3.70	22	10.58	22	19.58	22	29.58	22	40.58	22	52.58	22	65.58	22	79.58	22	94.58	22	110.58	22	127.58	22	145.58
23	3.70	23	4.90	23	14.46	23	27.46	23	42.39	23	59.30	23	79.20	23	102.10	23	128.00	23	156.90	23	188.80	23	224.70	23	264.60
24	4.60	24	6.40	24	18.32	24	34.32	24	53.25	24	75.15	24	101.00	24	130.90	24	164.80	24	202.70	24	244.60	24	291.50	24	343.40
25	5.50	25	7.70	25	22.24	25	42.24	25	65.17	25	92.07	25	122.90	25	157.80	25	196.70	25	239.60	25	286.50	25	337.40	25	393.30
26	6.40	26	9.20	26	26.16	26	49.16	26	75.09	26	104.00	26	136.90	26	173.80	26	214.70	26	259.60	26	308.50	26	361.40	26	418.30
27	7.30	27	10.50	27	30.08	27	56.08	27	84.01	27	115.90	27	151.80	27	191.70	27	235.60	27	283.50	27	335.40	27	391.30	27	452.20
28	8.20	28	11.80	28	34.00	28	63.00	28	95.93	28	132.80	28	173.70	28	218.60	28	267.50	28	319.40	28	374.30	28	433.20	28	496.10
29	9.10	29	13.70	29	37.92	29	70.92	29	107.85	29	148.70	29	193.60	29	242.50	29	294.40	29	349.30	29	408.20	29	471.10	29	538.00
30	1.00	30	1.88	30	4.76	30	8.76	30	13.75	30	19.75	30	26.75	30	34.75	30	43.75	30	53.75	30	64.75	30	76.75	30	89.75
31	1.92	31	2.81	31	7.69	31	14.69	31	22.69	31	31.69	31	41.69	31	52.69	31	64.69	31	77.69	31	91.69	31	106.69	31	122.69
32	2.81	32	3.70	32	10.58	32	19.58	32	29.58	32	40.58	32	52.58	32	65.58	32	79.58	32	94.58	32	110.58	32	127.58	32	145.58
33	3.70	33	4.90	33	14.46	33	27.46	33	42.39	33	59.30	33	79.20	33	102.10	33	128.00	33	156.90	33	188.80	33	224.70	33	264.60
34	4.60	34	6.40	34	18.32	34	34.32	34	53.25	34	75.15	34	101.00	34	130.90	34	164.80	34	202.70	34	244.60	34	291.50	34	343.40
35	5.50	35	7.70	35	22.24	35	42.24	35	65.17	35	92.07	35	122.90	35	157.80	35	196.70	35	239.60	35	286.50	35	337.40	35	393.30
36	6.40	36	9.20	36	26.16	36	49.16	36	75.09	36	104.00	36	136.90	36	173.80	36	214.70	36	259.60	36	308.50	36	361.40	36	418.30
37	7.30	37	10.50	37	30.08	37	56.08	37	84.01	37	115.90	37	151.80	37	191.70	37	235.60	37	283.50	37	335.40	37	391.30	37	452.20
38	8.20	38	11.80	38	34.00	38	63.00	38	95.93	38	132.80	38	173.70	38	218.60	38	267.50	38	319.40	38	374.30	38	433.20	38	496.10
39	9.10	39	13.70	39	37.92	39	70.92	39	107.85	39	148.70	39	193.60	39	242.50	39	294.40	39	349.30	39	408.20	39	471.10	39	538.00
40	1.00	40	1.88	40	4.76	40	8.76	40	13.75	40	19.75	40	26.75	40	34.75	40	43.75	40	53.75	40	64.75	40	76.75	40	89.75
41	1.92	41	2.81	41	7.69	41	14.69	41	22.69	41	31.69	41	41.69	41	52.69	41	64.69	41	77.69	41	91.69	41	106.69	41	122.69
42	2.81	42	3.70	42	10.58	42	19.58	42	29.58	42	40.58	42	52.58	42	65.58	42	79.58	42	94.58	42	110.58	42	127.58	42	145.58
43	3.70	43	4.90	43	14.46	43	27.46	43	42.39	43	59.30	43	79.20	43	102.10	43	128.00	43	156.90	43	188.80	43	224.70	43	264.60
44	4.60	44	6.40	44	18.32	44	34.32	44	53.25	44	75.15	44	101.00	44	130.90	44	164.80	44	202.70	44	244.60	44	291.50	44	343.40
45	5.50	45	7.70	45	22.24	45	42.24	45	65.17	45	92.07	45	122.90	45	157.80	45	196.70	45	239.60</						