

CLOSING AND OPENING VOLUMES FOR ANNULARS AND B.O.P.'s**ANNULARS**

TYPE	SIZE	CLOSING GAL	VOLUME LITRES	OPENING GAL	VOLUME LITRES
TOWNSEND	7"	2.85 US	10.79	2.24 US	8.48
HYDRIL GK	7"	3.01 US	11.4	2.29 US	8.68
TOWNSEND	9"	4.33 US	16.39	3.41 US	12.91
HYDRIL GK	11"	7.43 US	28	5.54 US	21
HYDRIL GK	13 5/8"	11.62 US	44.02	9.15 US	34.64

BOPS

TYPE	SIZE	CLOSING GAL	VOLUME LITRES	OPENING GAL	VOLUME LITRES
DRECO	7"	0.56 US	2.13	0.38 US	1.47
SHAFFER	9"	0.77 US	2.9	0.68 US	2.6
TOWNSEND	9"	0.77 US	2.9	0.60 US	2.3
SHAFFER LWS	11"	1.74 US	6.58	1.45 US	5.48
SHAFFER TYPE B	11"	3.24 US	12.3	2.69 US	10.2
SHAFFER	13 5/8"	3.43 US	13.02	3.01 US	11.43