



Length in Casing above NB (#1)	370	Yield (cuft/sk)	1.38
	Volume in #1 (bbls)	Casing	# sks of cmt
BBLs in Casing	5.735	4.5", 11.6#	23.33
	5.883	4.5", 10.5#	23.94
	3.3818	3.5", 7.7#	13.76
	2.1423	2.875", 6.5#	8.72
	8.806	5.5", 15.5#	35.83
	8.584	5.5", 17#	34.92

Length in Casing above SX (#2)	312	Yield (cuft/sk)	1.15
	Volume in #1 (bbls)	Casing	# sks of cmt
BBLs in Casing	4.836	4.5", 11.6#	23.61
	4.9608	4.5", 10.5#	24.22
	2.85168	3.5", 7.7#	13.92
	1.80648	2.875", 6.5#	8.82
	7.4256	5.5", 15.5#	36.25
	7.2384	5.5", 17#	35.34

Surface zone (#3)	Open Hole Excess = 20%	Yield(cf/sk)	1.33	Volume in BBLs	# sks of cmt
Length in Surface Casing	218	8.625", 24#		13.8648	376.79
Length in Production Casing	100	4.5", 11.6#		1.55	
Length in Production Borehole	696	9.54	inches	61.53	

$$Volume(BBLs) = Length(ft) * \pi * \frac{Dia(in)^2}{576} * \frac{.0009714}{.005454}$$

Reference: Casing Capacity

Casing	BBLs per Ft in Casing
1.25", 2.33#	0.00185
2.375", 4.7	0.00387
2.875", 6.5#	0.00579
3.5", 7.7#	0.00914
4.5", 10.5#	0.01590
4.5", 11.6#	0.01550
5.5", 15.5#	0.02380
5.5", 17#	0.02320
7", 17#	0.04150
8.625", 24#	0.06360