

1 – 1 – 100 Additive Kit

Gas Stop Prevention  
Squeeze Cementing  
Balanced Plugs



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# 1-1-100 EXP

WITH EXPANDING CEMENTING ADDITIVE

## GAS STOP PREVENTION CEMENT ADDITIVE KIT

1- Pail Additives, 1- Super Sack Cement, 100 - Gallons Fresh Water

### Field Data Sheet

**1** Seven gallon pail has pre-measured Fluid Loss, and Dispersant

**1** Lehigh Class H Jumbo Sack (2000#)

**100** Gallons Fresh Water

### Field Mixing Procedure

Start with 100 gallons of Fresh Water in the tank for each Super sack of cement. Add the predetermined amount of DHS liquid retarder (from the Technical Data Sheet) and the 7 gallon bucket/buckets of pre-measured, dry additives and let them disperse. The order of addition does not matter for the retarder and the 7-gallon bucket of dry additives. Then slowly add bulk super sack/sacks (2000#) of cement. Anti-foaming additives may be added if needed.

# 1-1-100

CEMENT ADDITIVE

## Retarder Field Data Sheet

Retarder Formula

(128 oz's = 1 gal)

Example @ 190 deg F 63oz / 128 = 0.492 gal

YIELDS 4.0 BBLs

DENSITY 16.2 PPG

YIELD 1.09

FRESH WATER 100 gallons Fresh

TEMPERATURE	Retarder OZ Amount	Thickening Times	Compressive Strength		
			Initial Set	500psi	2000psi
80-90	NONE	3:00 - 4:00	8 hr	16 hr	24 hr
91-100	13 oz	3:00 - 4:00	6 hr	12 hr	24 hr
101-110	27 oz	3:00 - 4:00	10 hr	12 hr	24 hr
111-120	32 oz	3:00 - 4:00	9 hr	11 hr	24 hr
121-130	37 oz	3:00 - 4:00	8 hr	12 hr	24 hr
131-140	40 oz	3:00 - 4:00	11 hr	13 hr	24 hr
141-150	63 oz	3:30 - 4:30	9 hr	12 hr	24 hr
151-160	63 oz	3:30 - 4:30	8 hr	10 hr	24 hr
161-170	63 oz	3:30 - 4:30	9 hr	12 hr	24 hr
171-180	63 oz	3:30 - 4:30	9 hr	12 hr	24 hr
181-190	63 oz	3:30 - 4:30	10 hr	12 hr	24 hr
191-200	68 oz	3:30 - 4:30	8 hr	12 hr	24 hr
201-210	153 oz	3:30 - 4:30	10 hr	12 hr	24 hr