

Parameter (n_e)	Initial/preferred value	Estimated value	% of cells	Objective function	
Pleistocene sand 1	0.3	0.130	24.4	PHIMLIM	60
Pleistocene sand 2	0.3	0.263	2.5	PHIMACCEPT	100
Pleistocene clay 1	0.1	0.085	11.6	ϕ_m achieved	74
Pleistocene clay 2	0.05	0.043	4.8		
Miocene sand	0.3	0.450	15.1		
Miocene clay	0.1	0.102	22.8		
Miocene clay (Maade formation)	0.05	0.049	18.8		