

Table S1. Maximum pressures, Peaceman correlation, and fracturing pressures in each distributed layer for the example injection well located in the Konary structure with coordinates (9500; 5000)

Lp.	Simulator well cell pressure [MPa]		Flowing bottom hole pressure (Peaceman correlation) [MPa]		Difference of results [MPa]		Fracturing pressure [MPa]
	Stage I	Stage II	Stage I	Stage II	Stage I	Stage II	
1	8.16	8.16	8.17	8.16	0.004	0.003	14.06
2	8.61	8.25	8.62	8.26	0.014	0.010	14.29
3	8.55	8.28	8.56	8.28	0.006	0.004	14.44
4	10.55	8.41	10.68	8.51	0.138	0.100	14.60
5	10.14	8.43	10.21	8.48	0.072	0.052	14.67
6	9.11	8.47	9.13	8.48	0.012	0.009	14.86
7	9.93	8.58	9.99	8.63	0.065	0.047	15.04
8	9.91	8.59	9.93	8.60	0.019	0.014	15.07
9	11.42	8.71	12.20	9.28	0.780	0.566	15.11
10	9.65	8.65	9.67	8.67	0.025	0.018	15.15