

Figure S1. Pressure distribution corresponding to different injection/production ratios after 1-year production, (a) 0.2; (b) 0.4; (c) 0.6; (d) 0.8; (e) 1.0; (f) 1.2.

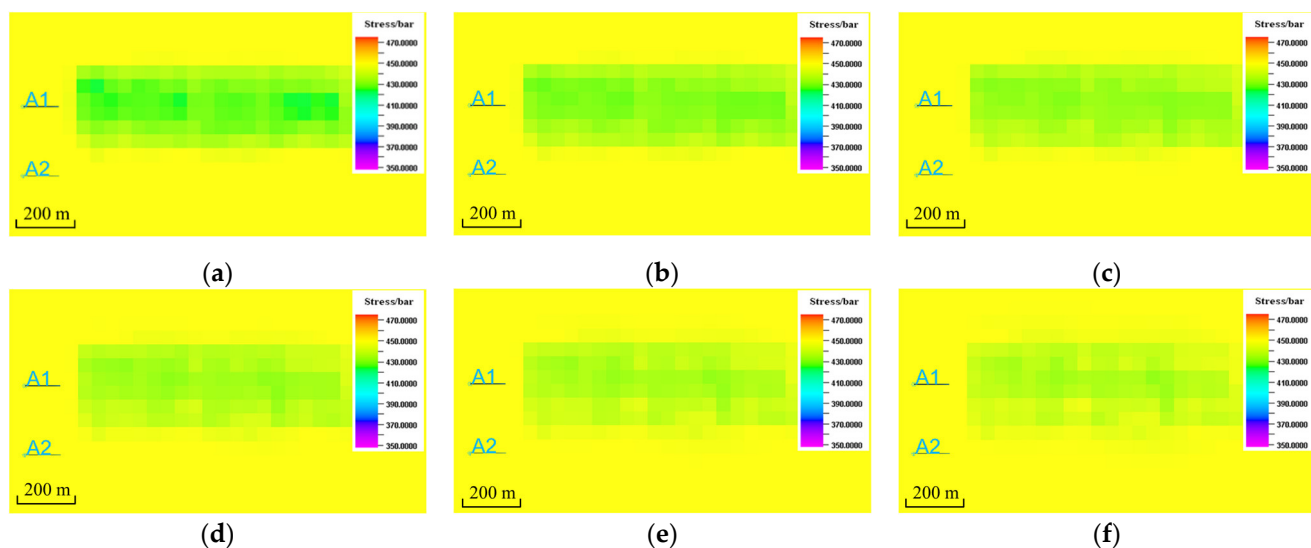


Figure S2. Minimal horizontal principal stress distribution corresponding to different injection/production ratios after 1-year production, (a) 0.2; (b) 0.4; (c) 0.6; (d) 0.8; (e) 1.0; (f) 1.2.

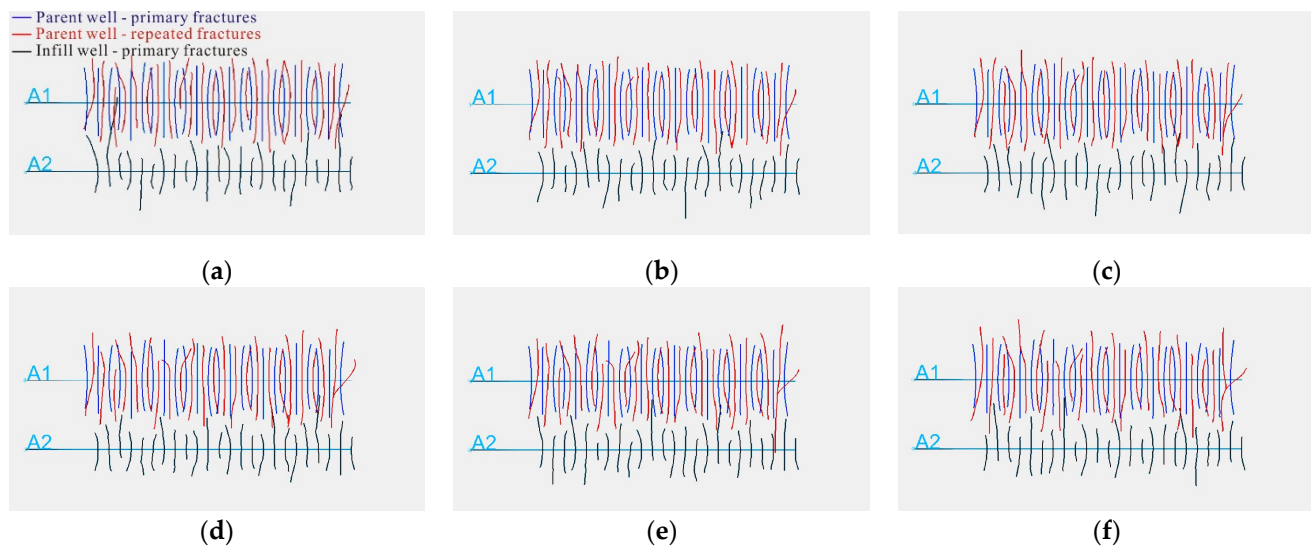


Figure S3. Fractures morphology of parent well and infill well corresponding to different injection/production ratios after 1-year production, (a) 0.2; (b) 0.4; (c) 0.6; (d) 0.8; (e) 1.0; (f) 1.2.

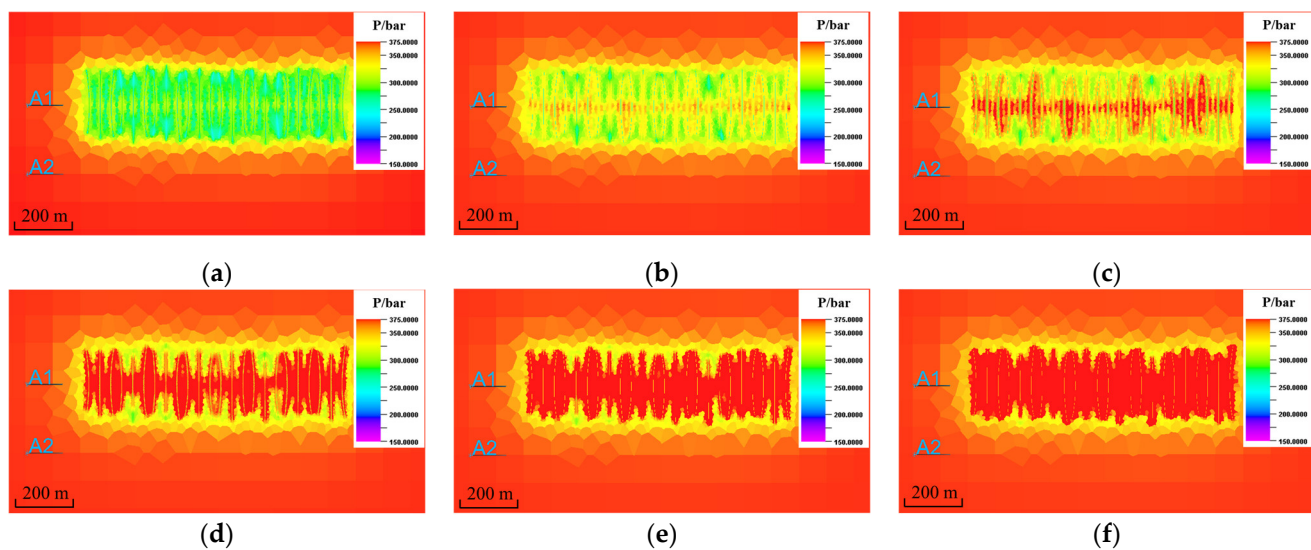


Figure S4. Pressure distribution corresponding to different injection/production ratios after 4-years production, (a) 0.2; (b) 0.4; (c) 0.6; (d) 0.8; (e) 1.0; (f) 1.2.

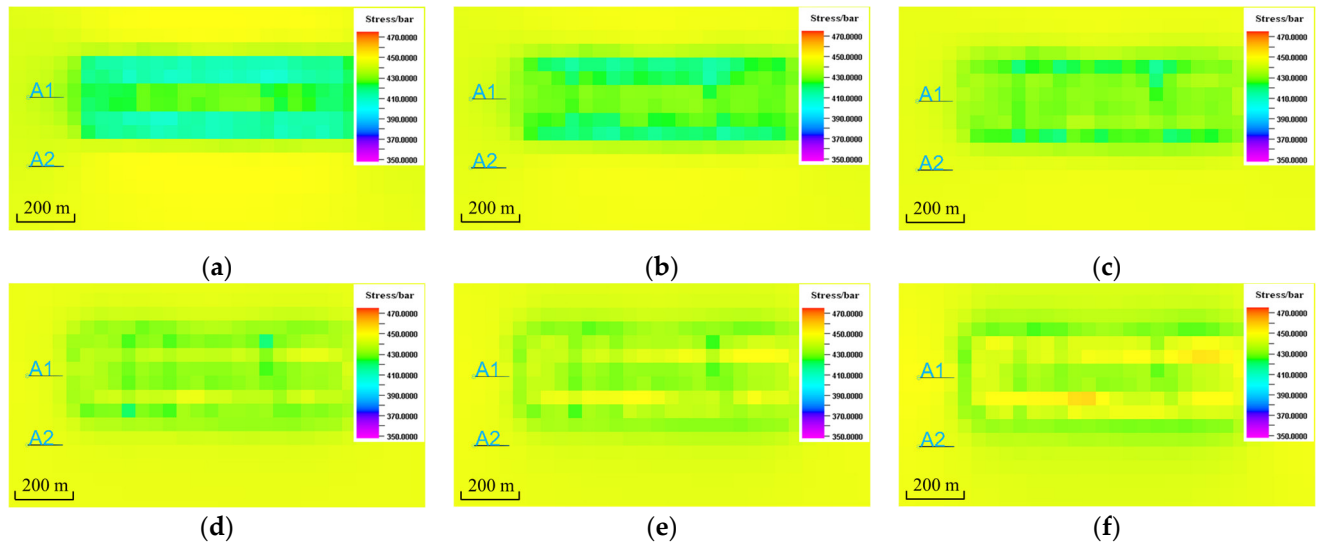


Figure S5. Minimal horizontal principal stress distribution corresponding to different injection/production ratios after 4-years production, (a) 0.2; (b) 0.4; (c) 0.6; (d) 0.8; (e) 1.0; (f) 1.2.

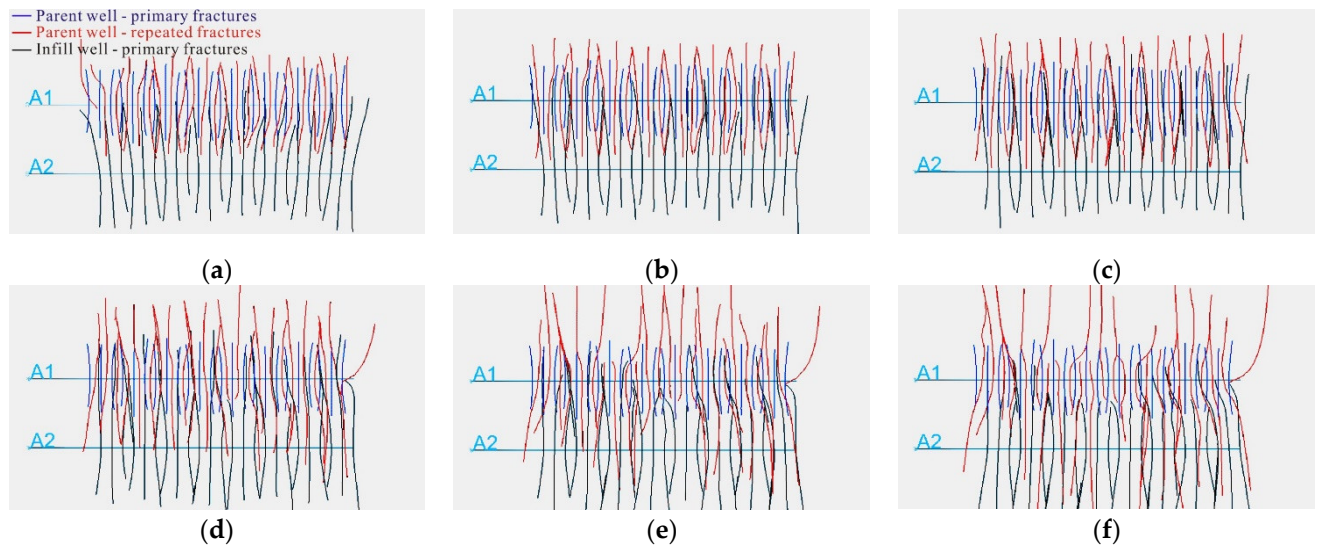


Figure S6. Fractures morphology of parent well and infill well corresponding to different injection/production ratios after 4-years production, (a) 0.2; (b) 0.4; (c) 0.6; (d) 0.8; (e) 1.0; (f) 1.2.