

### **Modification of the Eclipse system in Exercises 4 and 5 to use horizontal wells**

As a continuation of Exercises 4 and 5, make the following modifications to the input file ODEH.DATA:

- Redefine the injection well to be horizontal, perforating gridblocks  $I=1, J=1, \dots, 20, K=1$
- Redefine the production well to be horizontal, perforating gridblocks  $I=20, J=1, \dots, 20, K=30$

### **Assignment**

1. Make the same run as before, with the no-resolution option (DRDST=0)
2. Make plots of GOR vs. time and production rate for the old system and the new system
3. Discuss the results