PGE 392K HW 1 Fall 2020 Additional

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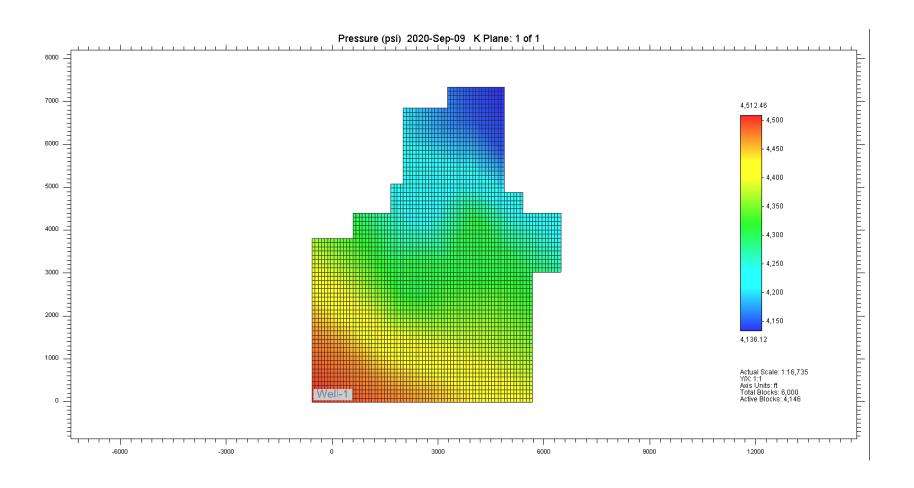
Python codes (Problem 1 & 3)

- Python 3 is used instead of MATLAB
- The codes might require installing new libraries using "pip install" for example:

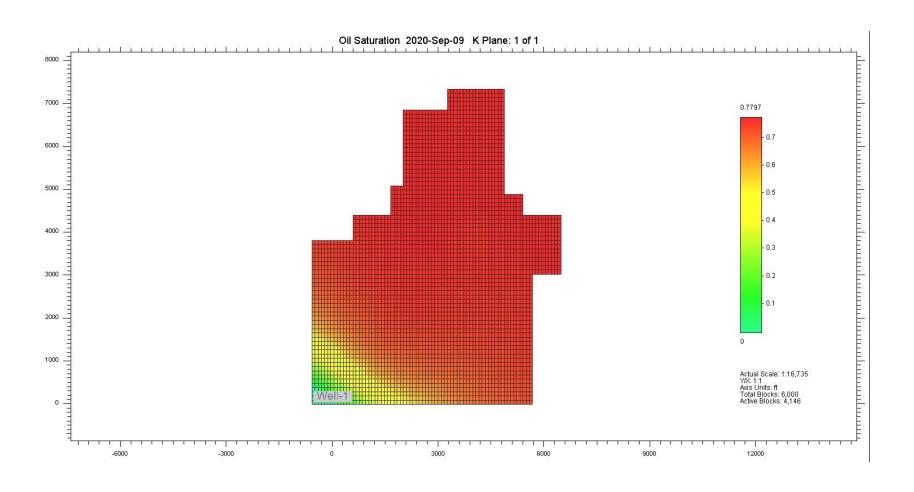
pip install numpy

Spyder environment is used

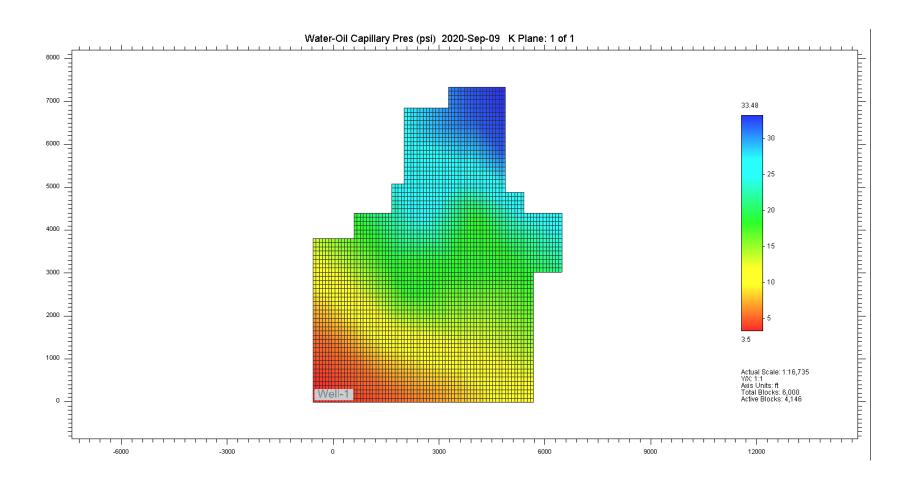
Problem 2. Oil Pressure on an X-Y cartesian grid (with a colorbar)



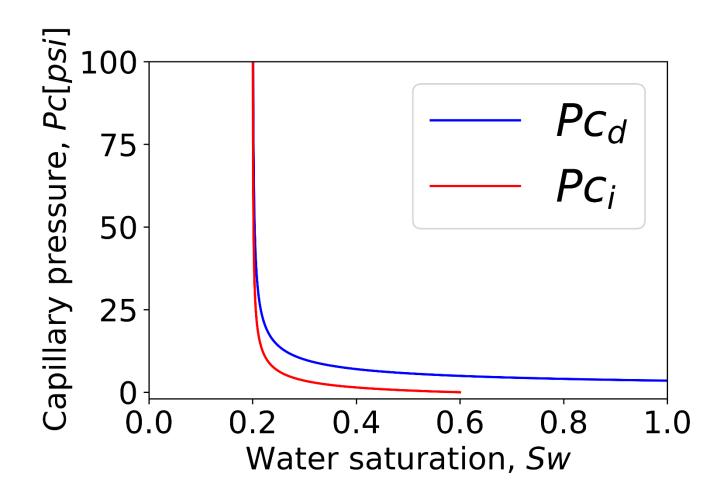
Problem 2. Oil saturation on an X-Y cartesian grid (with a colorbar)



Problem 2. Water-oil capillary pressure on an X-Y cartesian grid (with a colorbar)



Problem 3. Capillary pressure vs Sw



Problem 3. Relative permeability vs Sw

