

King Saud University

Petroleum and Natural Gas Engineering

PGE 362: **Properties of Reservoir Fluids**

Posted: **Tuesday, November 11, 2014**

Due: **Tuesday, November 25, 2014**

Homework Three

Each group is required to select one of the following topics and do the following tasks;

1. Submit full report.
2. Present the work done using power point presentation.

The report submitted should follow the standard report format as follows:

1. Cover page (logo, title, students names,)
2. Abstract (short summary about the work done)
3. Table of contents
4. Introduction
5. Literature review
 - a. Equations and derivations
 - b. Sample of calculations
6. Results and discussions
7. Conclusion
8. References

The power point slides should be short and show the main points of the work and some of the results obtained. (**8-15 slides**).

Topics:

1. Soave-Redlich-Kwong EOS
2. Peng-Robinson EOS
3. Peng-Robinson-Gasem EOS

Notes:

1. The homework grade **5%**.
2. Bonus will be given if a code of calculation is developed by the team and included with the report. (**Matlab software is recommended**).

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