

[NOTE: Please feel free to use the most recent edition of textbooks referenced in this list](#)

### **17-Pet-A1- Principles of Stratigraphy and Sedimentation**

*Prime Text:*

Boggs, S., Principles of Sedimentology and Stratigraphy, 5<sup>th</sup> edition. Merrill Publishing Co., Toronto, 2011. ISBN 0023117923.

*Supplementary Texts:*

Krumbein, W.C. and Sloss, L.L., Stratigraphy and Sedimentation, 2<sup>nd</sup> edition. W.H. Freeman and Co., 1963. ISBN 0716702193.

Walker, R.G. (Editor), Facies Models, 3<sup>rd</sup> edition. Geoscience Canada Reprint Series 1, Geological Association of Canada, 1992. ISBN 0919216498.

Prothero, D.R., Interpreting the Stratigraphic Record. W.H. Freeman & Co., 1990. ISBN 0716718545.

### **17-Pet-A2- Petroleum Reservoir Fluids**

*Prime Text:*

McCain Jr., W.D., The Properties of Petroleum Fluids, 2nd edition. The Petroleum Publishing Company, Tulsa, Oklahoma, 1990. ISBN 0878143351.

*Supplementary Text:*

Amyx, J.W. Bass, D.M. and Whiting, R.L., Petroleum Reservoir Engineering. McGraw Hill, Toronto, 1960. (pp. 211 470). ISBN 0070016003.

### **17-Pet-A3- Fundamental Reservoir Engineering (Physical Properties and Flow of Fluid through Porous Media)**

*Prime Texts:*

Dake, L., Elsevier, Fundamentals of Reservoir Engineering, 1980.

Terry, R.E., Brandon, R., Craft, B.C. and Hawkins, M.S. , Applied Petroleum Reservoir Engineering, 3<sup>rd</sup> edition, 2015. Prentice-Hall, Englewood Cliffs, N.J., ISBN 978-0-13-3155587.

*Supplementary Texts:*

Dake, L.P., Fundamentals of Reservoir Engineering, Elsevier, Amsterdam, 1978. ISBN-13: 978-0-444-41830-2

Amyx, J.W., Bass, D.M. and Whiting, R.L., Petroleum Reservoir Engineering. McGraw-Hill, Toronto, 1960. (pp. 36-210). ISBN 0070016003.

### **17-Pet-A4 - Oil and Gas Well Drilling and Completion**

*Prime Text:*

Bourgoyne, A.T., Millheim, K.K., Chenevert, M.E. and Young, F.S. Applied Drilling Engineering. Society of Petroleum Engineers, Richardson, TX (1986, 2nd printing 1991). ISBN 9991135979.

*Supplementary Text:*

Gatlin, C., Petroleum Engineering, Drilling and Well Completion. Prentice-Hall, Inc., Englewood Cliffs, N.J., 1960. ISBN 0136621554.

**17-Pet-A5 - Petroleum Production Operations***Prime Texts:*

- M. Economides, A.D. Hill, C. Ehlig-Economides, and D. Zhu. Petroleum Production Systems(2<sup>nd</sup> Ed.). Prentice Hall, Inc., Upper Saddle River, NJ, 2012. Tel 1-201-236-3290.
- T.O. Allen and A.P. Roberts, Production Operations, Vol. 1, 4th edition. Oil & Gas Consultant International (OGCI), Inc., Tulsa, OK, 1997.
- T.O. Allen and A.P. Roberts, Production Operations, Vol. 2, 4th edition. Oil & Gas Consultant International (OGCI), Inc., Tulsa, OK, 1997.
- H.D.Beggs, Production Optimization Using NODAL\* Analysis. Oil & Gas Consultant International (OGCI), Inc., Tulsa, OK, 2003.

*Supplementary Texts:*

- Kumar, S, Gas Production Engineering. Gulf Publishing Co., 1987. N.B.
- The following is out of print but is an excellent reference:
- Nind, T.E.W., Principles of Oil Well Production, 2<sup>nd</sup> edition. McGraw-Hill Book Co. Ltd., New York, 1981. ISBN 0070465762.

**17-Pet-A6 - Reservoir Mechanics***Prime Text:*

- Craft, B.C. and Hawkins, M.S. (revised by Terry, R.E.), Applied Petroleum Reservoir Engineering, 2<sup>nd</sup> edition. Prentice-Hall, Inc., Englewood Cliffs, N.J., 1991. (pp. 146-334, 360375, 391-424). ISBN 0130398845.

*Supplementary Text:*

- Dake, L., Elsevier, Fundamentals of Reservoir Engineering, 1980.

**17-Pet-A7 - Secondary and Enhanced Oil Recovery***Prime Texts:*

- Green, D.W. and Willhite, G.P, Enhanced Oil Recovery, SPE Text Series Vol. 6, Society of Petroleum Engineers, Richardsco., TX, 1998. ISBN 978-1-55563-077-5
- Craig, F.F., The Reservoir Engineering Aspects of Water flooding. Monograph No. 3, Society of Petroleum Engineers of AIME, 1976. ISBN 0895202026.
- Stalkup, Fred, Miscible Displacement. Monograph No.8, Henry Doherty Series, Society of Petroleum Engineers of AIME, 1983. ISBN 0895203197.
- Prats, Michael, Thermal Recovery. Monograph No. 7, Henry Doherty Series, Society of Petroleum Engineers of AIME, 1982. ISBN 0895203146.

*Supplementary Text:*

- Craft, B. C. and Hawkins, M.S. (revised by Terry, R.E.), Applied Petroleum Reservoir Engineering, 2<sup>nd</sup> edition. Englewood Cliffs, N.J., 1991, (pp. 335-386) ISBN 0130398845

**17-Pet-B1 - Well Logging and Formation Evaluation***Prime Text:*

- Bassiouni, Z. Theory, Measurement, and Interpretation of Well Logs. Society of Petroleum Engineers (SPE), Richardson, TX, 1994.

*Supplementary Texts:*

Helander, D.P., Fundamentals of Formation Evaluation. Oil and Gas Consultants International Inc., 1983. 4554 S. Harvard, Tulsa, OK., 74135. ISBN 0930972023.

Serra, O., Fundamentals of Well-Log Interpretation, Volume 1 - The Acquisition of Logging Data. Elsevier Science Publishers, New York, N.Y., 1984. ISBN 0444421327.

Ellis, D.V., Well Logging for Earth Scientists. Elsevier Science Publishing Co., 1987. ISBN 0135005620.

Dewan, J.T., Essentials of Modern Open-Hole Log Interpretation. Penn Well Books, Tulsa, OK., 1983. ISBN 0878142339.

Log Interpretation Principles/Applications. Available through local offices of Schlumberger of Canada, Current Issue.

Log Interpretation Charts. Available through local offices of Schlumberger of Canada, Current Issue.

**17-Pet-B2 - Natural Gas Engineering***Prime Texts:*

John Lee and Robert A. Wattenbarger, Gas Reservoir Engineering. Order No. RESV TEXT005. Society of Petroleum Engineers in Richardson, Texas, Tel: 1-800-456-6863.

Donald L. Katz and Robert L. Lee, Natural Reservoir Engineering: Production and Storage. Order No. PROD COM023, Society of Petroleum Engineers in Richardson, Texas, Tel: 1-800456-6863.

*Supplementary Text:*

Ikoku, C.U., Natural Gas Reservoir Engineering. John Wiley & Sons, 1991. Krieger Pr. ISBN 0894646400.

**17-Pet-B3 - Oil and Gas Evaluation and Economics***Prime Text:*

Campbell Petroleum Series, Analysis and Management of Petroleum Investments: Risk, Taxes and Time, 2<sup>nd</sup> edition. Pennwell Publishers, 1991, OK 73072. ISBN 0685547779.

*Supplementary Text:*

Mineral Property Economics, Vol. 2 and 3 - The Campbells. Campbell Petroleum Series, 1980. ISBN 990667675.

**17-Pet-B4 - Petroleum Geology**

North, F.K., Petroleum Geology. Allen and Muir Inc., Winchester, MA, 1985. ISBN 041253830X.

**17-Pet-B5 - Well Testing***Prime Texts:*

Lee, J., Rollins, J.B. and Spivey, J.P., Pressure Transient Testing, SPE Textbook Series Vol. 9, Society of Petroleum Engineers, Richardson, TX, 2003. ISBN 1-55563-099-5

R. N. Horne, Modern Well Test Analysis, 2<sup>nd</sup> edition. Petroway Inc., 1995 (p.1-118). (FE COM 056 SPE Catalog).

*Supplementary Texts:*

R. C. Earlougher, Advances in Well Test Analysis. SPE Monograph No. 5, 1977. John Lee, Well Testing. SPE Textbook Series Vol. 1, 1982.