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WELLBORE CONDITIONS; 3.1 Well with wellbore storage and skin; 3.2 Infinite conductivity or uniform flux vertical fracture; 3.3 Finite conductivity vertical fracture; 3.4 Well in partial penetration; 3.5 Slanted well

3.6 Horizontal well3.7 Skin factors; CHAPTER 4. EFFECT OF RESERVOIR HETEROGENEITIES ON WELL RESPONSES; 4.1 Fissured reservoirs; 4.2 Layered reservoirs with or without crossflow; 4.3 Composite reservoirs; 4.4 Combined reservoir heterogeneities; CHAPTER 5. EFFECT OF RESERVOIR BOUNDARIES ON WELL RESPONSES; 5.1 Single sealing fault in a homogeneous reservoir; 5.2 Two parallel sealing faults in homogeneous reservoir; 5.3 Two intersecting sealing faults in homogeneous reservoir; 5.4 Closed homogeneous reservoir; 5.5 Constant pressure boundary; 5.6 Communicating fault

5.7 Effect of boundaries in double porosity reservoirs5.8 Effect of boundaries in double permeability reservoirs; 5.9 Effect of boundaries in composite reservoirs; 5.10 Other boundary configurations; 5.11 Conclusion; CHAPTER 6. MULTIPLE WELL TESTING; 6.1 Interference tests in reservoirs with homogeneous behavior; 6.2 Factors complicating interference tests in reservoirs with homogeneous behavior; 6.3 Interference tests in composite reservoirs; 6.4 Interference tests in double porosity reservoirs; 6.5 Interference tests in layered reservoirs; 6.6 Pulse testing; 6.7 Conclusion

CHAPTER 7. APPLICATION TO GAS RESERVOIRS7.1 Description of gas wells pressure behavior; 7.2 Practical transient analysis of gas well tests; 7.3 Deliverability tests; 7.4 Field example; CHAPTER 8. APPLICATION TO MULIPHASE RESERVOIRS; 8.1 Perrine's method; 8.2 Pseudo-pressure method; 8.3 Pressure squared method; CHAPTER 9. SPECIAL TESTS; 9.1 DST; 9.2 Impulse test; 9.3 Constant pressure test, and rate decline analysis; 9.4 Vertical interference test; CHAPTER 10. PRACTICAL ASPECTS OF WELL TEST INTERPRETATION; 10.1 Factors complicating well test analysis; 10.2 Interpretation procedure

10.3 Well and reservoir characterisation- interpretation resultsAPPENDIX 1. SUMMARY OF USUAL LOG-LOG RESPONSES; APPENDIX 2. PRACTICAL METRIC SYSTEM OF UNITS; NOMENCLATURE; REFERENCES; AUTHOR INDEX; SUBJECT INDEX

Sommario/riassunto	This book on well test analysis, and the use of advanced interpretation models is volume 3 in the series Handbook of Petroleum Exploration and Production.The chapters in the book are: Principles of Transient Testing, Analysis Methods, Wellbore Conditions, Effect of Reservoir Heterogeneities on Well Responses, Effect of Reservoir Boundaries on Well Responses, Multiple Well Testing, Application to Gas Reservoirs, Application to Multiphase Reservoirs, Special Tests, Practical Aspects of Well Test Interpretation.