Record Nr. UNINA9910783453603321 Autore Chaudhry Amanat U. Titolo Oil well testing handbook / / Amanat U. Chaudhry Pubbl/distr/stampa Boston, Massachusetts;; Oxford, [England]:,: Gulf Professional Publishing, , 2004 ©2004 **ISBN** 978-0-0805-7979-8 1-281-05204-3 1-281-71147-0 9786611052041 0-08-047979-0 9780080579798 0-08-057979-5 Descrizione fisica 1 online resource (689 p.) Disciplina 622.3382 622/.3382 22 Oil wells - Testing Soggetti Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Front Cover; Copyright; Contents; Foreword; Preface; Acknowledgements; 1. Introduction; 2. Fundamentals of Reservoir Oil Flow Analysis: 3. Transient Well Testing Methods for Horizontal Oil Wells: 4. Pressure Drawdown Testing Techniques for Oil Wells: 5. Pressure Buildup Analysis Techniques for Oil Wells; 7. Well Testing Methods for Naturally Fractured Reservoirs; 8. Fundamentals of Type Curve Matching Methods for Oil Wells; 9. Flow Regime Identification and Analysis Using Special Methods; 10. Application of Pressure Derivative in Oil Well Test Analysis 11. Massive Hydraulic-Fractured Oil Well Behavior Analysis 12. Drill-Stem Testing Methods; 13. Interference and Pulse Test Analysis Methods; 14. Injection Well Transient Testing and Analysis; 15. Well

> Testing Methods in Multilayered Oil Reservoir Systems; 16. Pressure Analysis Methods in Heterogeneous Oil Reservoir Systems; Appendix A: Conversion Factors Between Unit Systems; Appendix B: Correlation

Tables and Dimensionless Functions; Appendix C: Pressure Drop through Vertical, Inclined, and Horizontal Oil Wells; Appendix D: Oil and Water PVT Properties and Correlation Equations; Nomenclature BibliographyIndex

Sommario/riassunto

This is a valuable addition to any reservoir engineer's library, containing the basics of well testing methods as well as all of the latest developments in the field. Not only are ""evergreen"" subjects, such as layered reservoirs, naturally fractured reservoirs, and wellbore effects, covered in depth, but newer developments, such as well testing for horizontal wells, are covered in full chapters.*Covers real-life examples and cases *The most up-to-date information on oil well testing available*The perfect reference for the engineer or textbook for the petroleum engine