

1. Record Nr.	UNINA9910462016703321
Autore	Sydansk Robert D. <d. 2009.>
Titolo	Reservoir conformance improvement [[electronic resource] /] / Robert D. Sydansk, Laura Romero-Zeron
Pubbl/distr/stampa	Richardson, TX, : Society of Petroleum Engineers, c2011
ISBN	1-61399-152-5
Descrizione fisica	1 online resource (148 p.)
Altri autori (Persone)	Romero-ZeronLaura
Soggetti	Oil reservoir engineering Hydrocarbon reservoirs Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [121]-128) and index.
Nota di contenuto	<p>""Preface""; ""Contents""; ""1 - Introduction""; ""2 - What Is Conformance? The Big Picture""; ""2.1 Definition of Conformance""; ""2.2 Critical Premise""; ""2.3 Illustration of Conformance and Generalized Conformance Problems""; ""2.4 Conformance and the Rate of Oil Recovery""; ""2.5 Excessive Water Production as a Conformance Problem""; ""2.6 The Broad Scope of Conformance Problems and Their Mitigation""; ""3 - Conformance: A Huge Potential for Improved Oil Recovery""; ""3.1 Oil Recovery Term Definitions""; ""3.2 Focus on Conventional Oil Reservoirs""</p> <p>""3.3 The One-Third Division of the Ultimate Oil-Recovery Fate of OOIP""""3.4 Encouraging Trends""; ""3.5 A 2007 Breakdown of Estimated Global Oil Reserves""; ""3.6 Oil Reserves from Mature Reservoirs""; ""3.7 Conformance-Improvement Operations Applied Within a Reservoir""; ""3.8 Highly Naturally Fractured Reservoirs""; ""4 - Conformance Problems""; ""4.1 Root Cause""; ""4.2 Types of Conformance Problems""; ""4.3 Diagnosis of Conformance Problems""; ""4.4 Specific Conformance Problems Require Distinct Conformance-Improvement Techniques""; ""4.5 High-Permeability Anomalies""</p> <p>""4.6 Fracture Conformance Problems""""4.7 Effect of Crossflow on Conformance-Improvement Operations""; ""4.8 Near-Wellbore vs. Far-Wellbore Conformance Remedies""; ""4.9 Underestimation of the Permeability of High-Permeability Flow Paths""; ""5 - Excessive Water</p>

Production"; "5.1 Excessive Water Production as a Conformance Problem"; "5.2 Necessary and Unnecessary Water Production"; "5.3 Strategy to Successfully Apply a Water-Shutoff Treatment"; "5.4 Excessive Water Production Is a Major Industry Challenge"; "6 - Improving Conformance€A Broad Overview"
"6.1 Types of Conformance-Improvement Methods""6.2 General Means to Improve Conformance"; "6.3 Definition of Conformance-Improvement Treatment"; "6.4 Matching Conformance Problems to Conformance-Improving Technologies"; "6.5 Benefits of Conformance Improvement"; "7 - Improving Conformance by Increasing Viscosity"; "7.1 Increasing the Viscosity of a Flooding Fluid to Improve Conformance"; "7.2 Polymer Flooding To Increase Viscosity"; "7.3 Residual Oil Recovery and Permeability Reduction"; "7.4 Polymer Flooding Effectsa€Heterogeneous and Homogeneous Reservoirs"
"7.5 Flooding Design and Operations Considerations""7.6 Foam Flooding"; "8 - Improving Conformance by Reducing Permeability"; "8.1 Permeability-Reducing Materials for Improving Conformance"; "8.2 Types of Permeability-Reducing Conformance-Improvement Treatments"; "9 - Foams for Conformance Improvement"; "9.1 Introduction to Foam Use for Conformance Improvement"; "9.2 Nature of Bulk Foams"; "9.3 Foams in Matrix-Rock Reservoirs"; "9.4 Foams for Mobility Control"; "9.5 Foams for Gas-Blocking Treatments"; "9.6 Injecting Foam in the Field"
"9.7 Foam Field Application for Conformance Improvement"
