1. Record Nr. UNINA9910821285203321 Autore Fink Johannes Karl Titolo Petroleum engineer's guide to oil field chemicals and fluids / / Johannes Karl Fink Pubbl/distr/stampa Amsterdam; ; Boston, : Gulf Professional Publishing, c2012 **ISBN** 0-12-383845-2 9786613114730 1-283-11473-9 Edizione [2nd edition] Descrizione fisica 1 online resource (854 pages) Altri autori (Persone) FinkJohannes Karl Disciplina 622/.3382/028 622.33820284 Soggetti Oil field chemicals Petroleum engineers 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 and index. ""Front Cover""; ""Petroleum Engineer's Guide to Oil Field Chemicals and Nota di contenuto Fluids""; ""Copyright""; ""Preface to Second Edition""; ""Preface""; ""How to Use This Book""; ""Index""; ""Bibliography""; ""Acknowledgments""; ""Contents""; ""Chapter 1: Drilling muds""; ""1.1 Classification of muds""; ""1.1.1 Dispersed noninhibited systems""; ""1.1.2 Phosphatetreated muds""; ""1.1.3 Lignite muds""; ""1.1.4 Quebracho muds"": ""1.1.5 Lignosulfonate muds""; ""1.1.6 Lime muds""; ""1.1.7 Sea water muds""; ""1.1.8 Nondispersed noninhibited systems""; ""1.1.9 Lowsolids fresh water muds"" ""1.1.10 Variable density fluids""""1.1.11 Gas-based muds""; ""1.1.12 Drill-in fluids""; ""Heavy brine completion fluids""; ""1.2 Mud compositions""; ""1.2.1 Inhibitive water-based muds""; ""1.2.2 Waterbased muds""; ""Compositions with improved thermal stability""; ""Shale encapsulator""; ""Membrane formation""; ""1.2.3 Oil-based drilling muds""; ""Poly(ether)cyclicpolyols""; ""Emulsifier for deep drilling""; ""Biodegradable composition""; ""Electric conductive nonaqueous mud""; ""Water removal""; ""1.2.4 Synthetic muds""; ""1.2.5 Inverted emulsion drilling muds""; ""Esters""; ""Acetals""

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The oil and gas engineer on the job requires knowing all the available oil field chemicals and fluid applications that are applicable to the operation. Updated with the newest technology and available products, Petroleum Engineer's Guide to Oil Field Chemicals and Fluids, Second Edition, delivers all the necessary lists of chemicals by use, their basic components, benefits, and environmental implications. In order to maintain reservoir protection and peak well production performance, operators demand to know all the options that are available. Instead of searching through various sources