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Nota di contenuto Cover; Oil Field Chemicals; Copyright Page; Contents; Preface; Chapter

1. Drilling Muds; Classification of Muds; Mud Compositions; Additives; Cuttings Removal by Sweep Materials; Junk Removal; Drilling Fluid Disposal; Characterization of Drilling Muds; Chapter 2. Fluid Loss Additives; Mechanism of Action of Fluid Loss Agents; Polysaccharides; Synthetic Polymers; Chapter 3. Clay Stabilization; Properties of Clays; Mechanisms Causing Instability; Inhibitors of Swelling; Chemicals in Detail; Chapter 4. Bit Lubricants; Refractory Metals; Natural

Detail, Chapter 4. Bit Lubricants, Remactory Wetais, Natural

Compounds; Chapter 5. Bacteria Control

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Sommario/riassunto

Oil field chemicals are gaining increasing importance, as the resources of crude oil are decreasing. An increasing demand of more sophisticated methods in the exploitation of the natural resources emerges for this reason. This book reviews the progress in the area of oil field chemicals and additives of the last decade from a rather chemical view. The material presented is a compilation from the literature by screening critically approximately 20,000 references. The text is ordered according to applications, just in the way how the jobs are emerging in practice. It starts with drilling