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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction to the well design process -- 2. Drilling design -- 3. Geomechanical evaluation -- 4. Well design premises -- 5. Casing design -- 6. Design of a HPHT well -- 7. Drilling operations and well issues.
Sommario/riassunto	Modern Well Design - Second Edition presents a unified approach to the well design process and drilling operations. Following an introduction to the field, the second chapter addresses drilling fluids, as well as optimal mud weight, hole cleaning, hydraulic optimization, and methods to handle circulation losses. A relatively large chapter on geomechanics follows, presenting methods for wellbore fracture and collapse modeling, including methods to interpret caliper logs. Contains a new generalized fracture model suitable for deep-water drillingThe start of any well design is to collect data and