

# Extended-Reach Drilling: Breaking the 10-km Barrier

- Geosteering, torque reduction and casing flotation have all contributed to record-breaking extended-reach drilling achievements.
- The limits of directional drilling continue to be pushed back as horizontal reservoir sections greater than 2500 m are being drilled, cased, cemented and completed to tap reserves at extreme distances from surface wellsites.

Frank Allen Raul Tooms BP Exploration Operating Co. Etc. Pholic, England

Greg Corean Pools, England

Bill Lense: Patrick Van de Slijke Super Lend, Times, L/SA

Oilfield Review Winter 1997

- Extended-reach drilling technology recently achieved a new milestone with the drilling and completion of a 10-km [33,000-ft] stepout well, some 2 km [6600 ft] longer than the previous world record.
- The main technical hurdles to the success of this well were reducing torque and drag, controlling fluid circulation and maintaining directional control.
- Solutions were not simple because methods to mitigate technical challenges in one area often had adverse consequences in others.
- One factor, drillstring rotation, repeatedly surfaced as part of the solution to all the major problems in this extended-reach well.

# **Well Workover Guide**

**Terry C. Jones** 

#### **Well Workover Guide:**

Petroleum Well Construction Guide: A Comprehensive Handbook for Engineers and Technicians Pasquale De Marco, 2025-03-08 Petroleum Well Construction Guide A Comprehensive Handbook for Engineers and Technicians is the ultimate resource for professionals seeking to master the art and science of petroleum well construction This comprehensive quidebook delves into every aspect of this critical discipline providing a thorough understanding of the latest advancements and best practices Written by a team of renowned experts this handbook offers an unparalleled depth of knowledge covering Drilling Techniques and Well Design Explore conventional and unconventional drilling methods along with essential considerations for well design optimizing safety efficiency and productivity Advanced Well Construction Techniques Gain insights into directional drilling multilateral wells and horizontal drilling empowering you to tackle complex drilling challenges and maximize reservoir recovery Borehole Stability and Gas Migration Master the principles of borehole stability analysis and gas migration control ensuring wellbore integrity and preventing costly complications Perforating and Inflow Performance Delve into the intricacies of perforating techniques and inflow performance analysis optimizing well productivity and minimizing formation damage Casing Tubing and Artificial Lift Systems Discover the latest developments in casing tubing and artificial lift systems ensuring reliable and efficient well operations throughout the production lifecycle Well Completion and Workover Operations Learn about well completion techniques stimulation methods and workover operations gaining practical knowledge to maintain and enhance well performance Safety Environmental and Regulatory Considerations Stay up to date with health safety and environmental regulations governing petroleum well construction ensuring compliance and minimizing risks to personnel the environment and assets Petroleum Well Construction Guide is more than just a technical manual it s an indispensable resource for professionals seeking to excel in this dynamic field With its comprehensive coverage real world case studies and expert insights this handbook empowers you to navigate the complexities of petroleum well construction with confidence and competence If you like this book write a review Guide to Record Retention Requirements ,1994 Guide to Record Retention Requirements in the Code of Federal Regulations ,1986 **Development Document for Interim Final Effluent Limitations Guidelines and New Source Performance** Standards for the Offshore Segment of the Oil and Gas Extraction Point Source Category United States. Environmental Protection Agency. Effluent Guidelines Division, 1975 The Guide to Oilwell Fishing Operations Joe P. DeGeare, 2014-11-04 Unpredictable unwanted and costly oil and gas well fishing is not a typical practice for drilling workover and completion projects but roughly one in every five wells experience this intervention To stay on top The Guide to Oilwell Fishing Operations Second Edition will keep fishing tool product managers drilling managers and all other well intervention specialists keyed in to all the latest tools techniques and rules of thumb critical to conventional and complex wellbore projects such as extended reach horizontal wells thru tubing and coiled tubing operations Strengthened with updated

material and a new chapter on wellbore cleaning The Guide to Oilwell Fishing Operations Second Edition ensures that the life of the well will be saved no matter the unforeseen circumstances Crucial aspects include Enhancements with updated equipment technology and a new chapter on wellbore cleaning methods Additional input from worldwide service companies providing a more comprehensive balance Remains the only all inclusive guide exclusively devoted to fishing tools techniques and rules of thumb Remodeled with latest jars on the market catch tools and retrieving stuck packers with cutting technology Improved with information on methods such as sidetracking and plug and abandon operations Modernized with approaches and tactics on more advanced well projects such as high angle deviated and horizontal wells and expandable casing technology to repair casing failure and leaks **Federal Energy Guidelines, Status and Regulations**, 1984 Papua New Guinea Investment and Business Guide Volume 1 Strategic and Practical Information IBP USA,2013-08 Papua New Guinea Investment and Business Guide Strategic and Practical Information Arctic offshore oil & gas quidelines, 2002

Lloyd's Register OneOcean's Guide to Port Entry 1989-90 Nations M-Z Lloyd's Register Foundation, 1989-01-01 First published in 1971 these Guides provide invaluable information on thousands of commercial ports and terminals across the globe They are compiled and published annually by LR OneOcean whose years of global maritime experience allows them to provide expert and innovative solutions that enhance efficiency sustainability and overall industry success The Guides cover a significant geographical breadth and the most recent volume includes information on over 12 500 ports harbours and terminals worldwide These are fully indexed and contain detailed port plans and mooring diagrams Well Integrity for Workovers and Recompletions Les Skinner, 2021-02-25 Well Integrity for Workovers and Recompletions delivers the concise steps and processes necessary to ensure that production wells minimize failure After understanding the introductory background on well integrity and establishing the best baseline the reference advances into various failure modes that can be expected Rounding out with an explanation and tools concerning economic considerations such as how to increase reserve potential and rate of return the book gives oil and gas engineers and managers a vital solution to keeping their assets safe and effective for the long term gain Helps readers understand how to protect wells through the production workover and recompletion lifecycle both from an economic standpoint and technical view Includes real world examples with quizzes included at the end of each chapter Examines why establishing an integrity baseline is important along with a Well Integrity Management System Vocational Education Bulletin United States. Division of Vocational Education, 1961 **Vocational Division Bulletin**, 1961 Economic Impact Analysis for Proposed Effluent Limitations Guidelines and Standards for the Coastal Subcategory of the Oil and Gas Extraction Point Source Category, 1995. A Guide to Coalbed Methane **Operations** Vicki A. Hollub, Paul S. Schafer, 1992 **Alternatives for Inspecting Outer Continental Shelf Operations** National Research Council, Division on Engineering and Physical Sciences, Commission on Engineering and Technical Systems, Committee on Alternatives for Inspection of Outer Continental ShelfOperations, 1990-02-01 Aggressive effective

safety inspection programs are key elements to ensuring that oil and gas producing platform operations on the outer continental shelf are conducted in a safe and environmentally sound manner Although the oil and gas leaseholders themselves are primarily responsible for the soundness of their operations the Minerals Management Service MMS of the Department of the Interior is charged with prescribing safe practices and inspecting platforms In response to an MMS request this book examines possible revisions of MMS s inspection system appraises inspection practices elsewhere both in government and industry assesses the advantages and disadvantages of alternative procedures and recommends potentially more efficient practices aimed at increasing industry s awareness of its accountability for safety \*\*Gulf of Mexico OCS Oil and Gas Lease Sales 189 and 197, Eastern Planning Area ,2003 \*\*Federal Energy Guidelines\*\* United States. Federal Energy Regulatory Commission,1982 \*\*product guide SUMMER 2008 \*\*, \*\*Secured Transactions Guide Commerce Clearing House,1981 \*\*Arctic Offshore Oil & Gas Guidelines ,2002

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