

IADC/SPE Drilling Conference and Exhibition 2010

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Abstract: The proceedings contain 112 papers. The topics discussed include: closed-loop control for decision-making applications in remote operations; weight distribution in reaming while drilling BHAs; MWD failure rates due to drilling dynamics; opportunities and challenges of deepwater subsalt drilling; geomagnetic referencing service - a viable alternative for accurate wellbore surveying; riserless drilling with casing; deepwater casing seat optimization; using surfactant nanotechnology to engineer displacement packages for cementing operations; drilling automation: novel trajectory control algorithms for RSS; design methodology and operational practices eliminate differential sticking; well integrity monitoring & analysis using distributed acoustic fiber optic sensors; multilateral wells reduce CAPEX of offshore, subsea development in Australia's northwest shelf; deepwater drilling challenges demonstrate learning curve with new connection technology; and comprehensive studies of aluminum drillpipe.

Year: 2010

Source title: SPE/IADC Drilling Conference, Proceedings

Volume: 1

Page count: 1294

Link: [Scopus Link](#)

Document Type: Conference Review

Source: Scopus

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