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Velocity"; ""Exercises""; ""5-Rotary Drilling Bits""; ""5.1 Bit Types Available""; ""5.2 Rock Failure Mechanisms""; ""5.3 Bit Selection and Evaluation""; ""5.4 Factors Affecting Tooth Wear""; ""5.5 Factors Affecting Bearing Wear""; ""5.6 Terminating a Bit Run""; ""5.7 Factors Affecting Penetration Rate""; ""5.8 Bit Operation""  
""Exercises""""6-Formation Pore Pressure and Fracture Resistance"";  
""6.1 Formation Pore Pressure""; ""6.2 Methods for Estimating Pore Pressure""; ""6.3 Formation Fracture Resistance""; ""6.4 Methods for Estimating Fracture Pressure""; ""Exercises""; ""7-Casing Design""; ""7.1 Manufacture of Casing""; ""7.2 Standardization of Casing""; ""7.3 API Casing Performance Properties""; ""7.4 Casing Design Criteria""; ""7.5 Special Design Considerations""; ""Exercises""; ""8-Directional Drilling and Deviation Control""; ""8.1 Definitions and Reasons for Directional Drilling""  
""8.2 Planning the Directional Well Trajectory""""8.3 Calculating the Trajectory of a Well""; ""8.4 Planning the Kickoff and Trajectory Change""; ""8.5 Directional Drilling Measurements""; ""8.6 Deflection Tools""; ""8.7 Principles of the BHA""; ""8.8 Deviation Control"";  
""Exercises""; ""Appendix A: Development of Equations for Non-Newtonian Liquids in a Rotational Viscometer""; ""Bingham Plastic Model""; ""Power-Law Model""; ""Appendix B: Development of Slot Flow Approximations for Annular Flow for Non-Newtonian Fluids"";  
""Bingham Plastic Model""; ""Power-Law Model""; ""Author Index""  
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