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1.10.3. Capacity of Tubulars and Open Hole: Drill Pipe, Drill Collars, Tubing, Casing, Hole, and Any Cylindrical Object1.10.4. Amount of Cuttings Drilled per Foot of Hole Drilled; 1.11. Annular Velocity Van (ft/min); Metric Calculations; SI Unit Calculations; 1.12. Strokes per Minute (SPM) Required for a Given Annular Velocity; 1.13. Control Drilling; 1.14. Buoyancy Factor (BF); 1.15. Decrease When Pulling Pipe Out of the Hole; 1.15.1. When Pulling DRY Pipe; 1.15.2. When Pulling WET Pipe; 1.16. Loss of Overbalance Due to Falling Mud Level; 1.16.1. Feet of Pipe Pulled DRY to Lost Overbalance
1.16.2. Feet of Pipe Pulled WET to Lose OverbalanceMetric Calculations; SI Unit Calculations; Formation Temperature (Tf); 1.17. Circulating Hydraulic Horsepower (HHP); 1.17.1. Rule of Thumb Formulas; 1.18. Pump Pressure/Pump Stroke Relationship (the Roughneck's Formula); Metric Calculation; SI Unit Calculation; 1.19. Cost per Foot; 1.20. Temperature Conversion Formulas; Convert Temperature, Fahrenheit (F) to Centigrade or Celsius (C); Convert Temperature, Centigrade or Celsius (C) to Fahrenheit; Convert Temperature, Centigrade, Celsius (C) to Kelvin (K)
Convert Temperature, Fahrenheit (F) to Rankine (R)Rule of Thumb Formulas for Temperature Conversion; Chapter 2: Basic Calculations; 2.0. Capacity, Volumes, and Strokes; 2.0.1. Capacity of Drill Pipe, HWDP, Casing, or Open Hole in bbl/ft; 2.0.2. Capacity of Casing or Open Hole between Drill Pipe, HWDP, or Casing in bbl/ft; 2.0.3. Capacity of Drill Pipe, HWDP, Casing, or Open Hole in ft/bbl; 2.0.4. Capacity of Casing or Open Hole between Drill Pipe, HWDP, or Casing in ft/bbl; 2.0.5. Volume of Drill Pipe, HWDP, Drill Collar, or Casing in bbl 2.0.6. Volume between Drill Pipe, HWDP, or Casing, and the Casing or Open Hole in bbl

Sommario/riassunto

A quick reference for day-to-day work out on the rig or a handy study guide for drilling and well control certification courses, Formulas and Calculations for Drilling, Production and Workover has served a generation of oilfield professionals throughout their careers. Compact and readable, Formulas and Calculations for Drilling, Production and Workover, 3rd Edition is a problem solving time saving tool for the most basic or complex predicaments encountered in the field. All formulas and calculations are presented in easy-to-use, step-by-step order, virtually all the mathematics r