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Nota di contenuto	Ionic Liquids Usage in Oil and Gas Industry -- Application of Ionic Liquids in Gas Hydrate Inhibition -- Application of Ionic Liquids in Corrosion Inhibition -- Application of Ionic Liquids in Wax, Scale and Asphaltene Deposition Control .
Sommario/riassunto	This book focuses on the application of ionic liquids in flow assurance in the oil and gas industry. It discusses their physiochemical properties, and considers the role of ionic liquids as gas hydrate inhibitors in offshore pipelines. Gas hydrate occurrence can pose a major threat to pipeline integrity. Therefore, different categories of gas hydrate inhibitors and the main factors influencing ionic liquids during gas hydrate inhibition are examined thoroughly. The use of ionic liquids as corrosion inhibitors, their application in flow assurance industry to mitigate corrosion, and factors affecting their performance are discussed. Finally, the applications of ionic liquids in wax, scale and asphaltenes deposition control is explored. The extensive discussion of ionic liquids in flow assurance mean that this book will be of use to researchers, engineers, and industry professionals in upstream processing of the oil and gas sector.