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Hydrates in High-Sulfur Gas Reservoirs"; "3.1 Introduction"  
 "3.1.1 The Progress of Experimental Test in High-CO<sub>2</sub> or H<sub>2</sub>S-containing System"; "3.1.2 The Progress of Prediction Model of High-CO<sub>2</sub> or H<sub>2</sub>S-containing System"; "3.2 Experimental Tests"; "3.2.1 Experimental Process"; "3.2.2 Experimental Samples"; "3.2.3 Experimental Results"; "3.2.4 Alcohol and Glycol Systems"; "3.2.5 Electrolytes Systems"; "3.3 Thermodynamic Model"; "3.3.1 The Improvement of Chemical Potential of Hydration Phase"; "3.3.2 Calculation of Activity of Water Phase"; "3.3.3 The Phase Equilibrium Calculation of Water-gas- Electrolytes- Alcohols"  
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 "4. An Association Model for the Correlation of the Solubility of Elemental Sulfur in Sour Gases"; "4.1 Introduction"; "4.2 Derivation of an Association Model"; "4.3 Calculation and Analysis of Solubility"; "4.4 Conclusions"; "Acknowledgements"; "References";  
 "5. Properties of CO<sub>2</sub> Relevant To Sequestration a€? Density"; "5.1 Introduction"; "5.2 Review and Correlation"; "5.2.1 Equations of State"; "5.3 Density"; "References"; "6. The Experimental Study of the Effect of the CO<sub>2</sub> Content on Natural Gas Properties at Gathering Conditions"  
 "6.1 Introduction"

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Sommario/riassunto

Large producers have started to use gas injection for their applications and in the future it is predicted that this trend will increase. This book is the most comprehensive and up-to-date coverage of this technique, which is rapidly increasing in importance and usage in the natural gas and petroleum industry. The authors, a group of the most well-known and respected in the field, discuss, in a series of papers, this technology and related technologies as to how they can best be used by industry to creating a safer, cleaner environment.

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