Record Nr. UNINA9910130845703321 Acid gas injection and related technologies / / edited by Ying (Alice) Wu **Titolo** and John J. Carroll; cover design by Russell Richardson Pubbl/distr/stampa Salem, Massachusetts;; Hoboken, New Jersey:,: Scrivener Publishing : , : John Wiley & Sons, , 2011 ©2011 **ISBN** 1-118-09426-3 1-118-09427-1 Descrizione fisica 1 online resource (470 p.) Advances in Natural Gas Engineering Collana 622 Disciplina 622.3385 622/.3382 Soggetti Oil wells - Gas lift Gas engineering Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto ""Acid Gas Injection and Related Technologies""; ""Contents""; ""Preface""; ""Acid Gas Injection: Past, Present, and Future""; ""Section 1: Data and Correlation""; ""1. Equilibrium Water Content Measurements For Acid Gas Mixtures""; ""1.1 Introduction""; ""1.2 Available Literature Data""; ""1.3 Equilibration Vessels / Techniques""; ""1.3.1 The Visual Dew Point Cell, VDP""; ""1.3.2 The Stirred Autoclave, SA, and Basic Equilibrium Cell, EQ""; ""1.3.3 The Isolated Floating Piston with Micro Sampler, IFP/I?S""; ""1.4 Water Analysis""; ""1.5 Sampling Issues for Analytic Methods"" ""1.6 Some Recent Results and Future Directions"""References""; ""2. The Performance of State of the Art Industrial Thermodynamic Models for the Correlation and Prediction of Acid Gas Solubility in Water""; ""2.1 Introduction""; ""2.2 Thermodynamic Modeling""; ""2.3 Water Content""; ""2.4 Conclusions and Recommendations"": ""Acknowledgements"": ""Nomenclature""; ""Subscripts""; ""Superscripts""; ""Greek Letters""; ""References""; ""3. The Research on Experiments and Theories about

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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.