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Nota di contenuto	Modifying effects of hydrogen sulfide when contemplating subsurface injection of sulfur / Mitchell J. Stashick, Gabriel O. Sofekun and Robert A. Marriott -- Experimental determination of CO2 Solubility in brines at high temperatures and high pressures and induced corrosion of materials in geothermal equipment / Marie Poulain, Jean-Charles Dupin, Herve Martinez and Pierre Cezac -- Experimental study of the liquid vapour equilibrium of the system water-CO2-O2-NOx under pressure at 298 K / Esther Neyrolles, Georgio Bassil, Francois Contamine, Pierre Cezac and Philippe Arpentinier -- The use of IR spectroscopy to follow the absorption of CO2 in amine media : evaluation of the speciation with time / E. Brugere, J-M. Andanson and K. Ballerat-Busserolles -- Solubility of methane, nitrogen, hydrogen sulfide and carbon dioxide in mixtures of dimethyl ethers of polyethylene glycol / Alan E. Mather and Kurt A. G. Schmidt -- Water content of hydrogen sulfide : a review / Eugene Grynja and Bogdan Ambrozek -- Acid gas injection at SemCAMS Kaybob Amalgamated (KA) gas plant operational design considerations / Rinat Yarmukhametov, James R. Maddocks and Jason Lui -- Reciprocating compressors in acid gas service / Dan Hannon -- Case study : wellbore thermodynamic analysis of Erhao acid gas injection project / Zhu Zhu

and Shouxi Wang -- Selecting CO<sub>2</sub> Sinks CCUS deployment in south mid-west Kansas / Eugene Holubnyak, Martin Dubois and Jennifer Hollenbach -- Salt precipitation at an active CO<sub>2</sub> Injection site / Stephen Talman, Alireza Rangriz Shokri, Rick Chalaturnyk and Erik Nickel -- The development features and cost analysis of CCUS industry in China / Hao Mingqiang, Hu Yongle, Wang Shiyu and Song Lina -- CO<sub>2</sub> Movement monitoring and verification in a fractured Mississippian Carbonate Reservoir during EOR at Wellington Field in south Kansas / Yevhen Holubnyak, Eric Mackay, Oleg Ishkov and Willard Watney -- Simulation study on carbon dioxide enhanced oil recovery / Maojie Chai and Zhangxin Chen -- Blowout recovery for acid gas injection wells / Ray Mireault -- The comprehensive considerations of leak detection solutions for acid gas injection pipelines / Shouxi Wang, John Carroll, Fan Ye, Lirong Yao, Jianqiang Teng and Haifeng Qiu -- Injection of non-condensable gas in SAGD using modified well configurations : a simulation study / Yushuo Zhang and Brij Maini -- The study on the gas override phenomenon in condensate gas reservoir / Kun Huang, Weiyao Zhu, Qitao Zhang, Jing Xia and Kai Luo -- Study on characteristics of water-gas flow in tight gas reservoir with high water saturation / Qitao Zhang, Weiyao Zhu, Wenchao Liu, Yunqing Shi and Jin Yan -- The description and modeling of gas override in condensate gas reservoir / Weiyao Zhu, Kun Huang, Yan Sun and Qitao Zhang -- Research on the movable water in the pores of tight sandstone gas reservoirs / Guodong Zou, Weiyao Zhu, Wenchao Liu, Yunqing Shi and Jin Yan -- Probabilistic petroleum portfolio options evaluation model (POEM) / Darryl Burns.

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#### Sommario/riassunto

"This is the eighth volume in the series, Advances in Natural Gas Engineering, focusing on gas injection into geological formations and other related topics, very important areas of natural gas engineering. This volume includes information for both upstream and downstream operations, including chapters detailing the most cutting-edge techniques in acid gas injection, carbon capture, chemical and thermodynamic models, and much more. Written by some of the most well-known and respected chemical and process engineers working with natural gas today, the chapters in this important volume represent the most state-of-the-art processes and operations being used in the field. Not available anywhere else, this volume is a must-have for any chemical engineer, chemist, or process engineer in the industry. Advances in Natural Gas Engineering is an ongoing series of books meant to form the basis for the working library of any engineer working in natural gas today"--

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