Review of Steam-Based Ignition Operations for Initiation of In-situ Combustion Process
Alex Turia .................................................. 630

Stability and Interfacial Rheology of Heavy Oil Nanoemulsions in Water
C. W. Angle, Y. Hua ........................................ 645

A Systematic Approach for Wellbore Drilling and Placement of SAGD Well Pairs and Infill Wells

Effective Strategies for Development of Thermal Heavy Oil Field Facilities
Ken Davis, Gunter Lehnert-Thiel .................. 665

Sulphur – A Moving Target in Design and Regulations for Thermal Heavy Oil Production
Sandra Kowalsky .................................................. 669

Quantifying Heat Requirements for SAGD Start-up Phase: Steam Injection and Electrical Heating
Behdad Moini, Neil Edmunds .......................... 674

SAGD Real-Time Well Production Measurements Using a Nucleonic Multiphase Flowmeter:
Successful Field Trial at Suncor Firebag
B. Pinguet, F. Gaviria, L. Kemp, J. Graham, C. Coulter, C. Perez-Damas ........................................ 680

Developing Alberta's Crudes – A Review of Provincial Resource Development Policies
Christopher J. Holly ................................ .......... 701

Imaging SAGD Steam Chambers in Real Time by Using PULSAR Orthogonal Coded Signals
C. Leskiw, I. D. Gates ........................................ 709

A New Thermomechanical Theory for Gravity Drainage in SAGD
M. Cokar, M. S. Kallos, I. D. Gates .................. 717

Reservoir Design Of a Shallow LP-SAGD Project For In Situ Extraction Of Athabasca Bitumen

Novel Design Approach for SA-SAGD Pilot at Cold Lake
D. L. Perlau, A. E. Jaafar, J. A. Yerian .................. 731

Twin Screw Subsurface And Surface Multiphase Pumps (Save Water / Reduce SOR)
P. Dass .................................................. 735

Materials Selection for Designing SAGD Plants
Dilip Kumar, Jiang Zhu, Yongoh Shin ................. 739

Benefits of Innovative Control Strategies for SAGD – Increasing Steam Capacity on OTSG Resulting
in High ROI and Capital Avoidance
K. Dorma, D. Shook, B. Mitchell .................. 744

Centralized Gasification in Alberta
D. Du Plessis, D. Pietrusik .................................. 750

Hydrocarbon Upgrading Demonstration Program (HUDP) – An Investment in the Future of the Oil Sands
D. Du Plessis, Eddy Isaacs, Rich Hill, Anne McPhee, Bill Koets, Ed Arnold ........................................ 758