

SPE 2023 Symposium Compilation

Online
19 December 2023

ISBN: 978-1-7138-8725-6

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2023) by Society of Petroleum Engineers
All rights reserved.

Printed with permission by Curran Associates, Inc. (2024)

For permission requests, please contact Society of Petroleum Engineers
at the address below.

Society of Petroleum Engineers
P. O. Box 833836
Richardson, Texas 75083-3836

Phone: (800) 456-6863
Fax: (972) 952-9435

books@spe.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

SPE/PAPG PAKISTAN SECTION ANNUAL TECHNICAL SYMPOSIUM AND EXHIBITION, 14-15 DECEMBER 2021, ISLAMABAD, PAKISTAN

Drilling and Well Construction in Lean Clearances in Northern Region of Pakistan.....	1
<i>Ali Iftikhar, Muhammad Nasrumminallah, Hassaan Rasheed, Shahid Majeed Sabir, Yasir Sharif</i>	
Step-Change in Cement Design Assures Well Integrity Under Dynamic Stress	12
<i>Ahmad A. Mahmood, Usman A. Jan, Anum Y. Khan, Hassaan Rasheed, Jose Salazar, Khurram A. Shah, Shahjahan Khan</i>	
Achieving Reliable and Cost-Effective Wellbore Cleanout in Depleted and Low-Pressure Wells Using CT Conveyed Fluid Oscillation Tool – Case Histories	24
<i>Muhammad Adnan Fazal, Muhammad Salman Saeed, Saad Yousuf, Arif Yousuf, Saqib Jah Temuri, Waqar Javed, Muhammad Arif Rana</i>	
Raising Frac Limits: The Stress Caging Approach.....	39
<i>Anum Yousuf Khan, Hassaan Rasheed, Ahmad Abdullah Mahmood, Jose Salazar, Sameer Mustafa Noor, Irfan Nazir</i>	
Comparative Analysis of Well Deliverabilities Through Different Perforation Strategies in a Mature Field, Deployment of Completion Conveyed Underbalance Perforation – A Case Study.....	46
<i>Mansoor Ansari, Muhammad Ijaz, Zulfiqar Ali Anjum, Sahir Inam, Muhammad Sana ul Hussnain, Rafi Ullah, Imran Shafee, Faisal Zia, Ibtihaj Atiq</i>	
Engineered Ultra-Low Invasion Loss Control Solution Allows Circulation, Ensuring Cement Placement and Zonal Isolation in Liner Cementing Jobs and Through Coiled Tubing – Case Studies.....	52
<i>Muhammad Adnan Fazal, Syed Hamza Ahmad, Arif Yousuf, Aziz ur Rehman, Sameer Mustafa Noor, Irfan Nazir</i>	

SPE SYMPOSIUM: NON-METALLICS—DISRUPTIVE SOLUTIONS FOR SUSTAINABLE AND COST-EFFECTIVE ASSETS, 21-22 FEBRUARY 2023, ABU DHABI, UAE

Challenges in High Sour Gas Field Development and Non-Metallics Opportunities in Upstream Processes	65
<i>Khaled H. Almuhammadi, Anwar Md. Parvez, Mustafa S. Buali, Oscar D. Salazar Vidal, Ahmed Y. Bukhamseen</i>	
Performance Results from the Installation of High Temperature Reinforced Thermoplastic Pipes (RTP) in Sour Gas Lines in Abu Dhabi	72
<i>Abdallah Tamimi, John R Wright, Gabriel Lemock, Faisal Masoud Al Alawi, Clemente Rodriguez, Raymond Burke</i>	
Non-Metallic Pipe Solutions with Permeation Barrier for Safe Transport of Energy Production Fluids – Lab Tests and Case Study	87
<i>Thorsten Spaeth</i>	
Considerations for Selecting Sustainable Corrosion Resistant Pipeline Solutions for the Oil & Gas Industry.....	98
<i>Samuel Bouey, Aethan Sakell, Assaad Sakr</i>	

Downhole Completion Challenges and Solution using Critical Nonmetallic Sealing Technologies.....	109
<i>Pranay Asthana, Mohamed Larbi Zeglache, Marwan Almulhim, Ahmed Bukhamseen</i>	
Mechanical Evaluation and Intervention in Non-Metallic Tubulars Using Current Technologies	123
<i>Mohamed Larbi Zeglache, Khaled Al-Muhammadi, Iqbal Pervaiz, Sandip Maity</i>	

SPE SUBSEA WELL INTERVENTION SYMPOSIUM, 8-10 AUGUST 2023, GALVESTON, TEXAS, USA

A Success Story of Using Deepwater Semisubmersible Drilling Rig for Workover Operation in 400 Meters Water Depth without Utilization of Anchoring System.....	134
<i>Ronald Binilang, Batara Pande, Johaness Sare, Shanni Herputra, Massimo Rossi, Denny Prayogo, Colin Shanks, Damien Wee</i>	
Riserless Intervention on Deepwater Gulf of Mexico Well increases contributing interval length by 10-fold	155
<i>W. Hosein, M. Vick, T. Quy, M. Dada, J. Sierra, J. Cubides</i>	
Deploying the World's Largest Bismuth Alloy Plug for Cost Effective P&A	164
<i>Didhiti Talapatra, Paul John Carragher</i>	
Light Intervention Platform for 28,500-psi Environments	171
<i>Rafael Rodriguez, Derek Copold, Mark Milkovich, Christopher Babin, Rafael Ramirez, Ibrahim Ugah</i>	
Dissolver Treatments to Re-Instate Functionality of Subsurface Safety Valves in Water Injection Wells.....	177
<i>S. T. Hatscher, N. Havrevoll, T. Herrmann, S. Gjersdal, D. Dzhuraev, M. Torsvik</i>	

SPE PERMIAN BASIN ENERGY CONFERENCE, 25-27 SEPTEMBER 2023, MIDLAND, TEXAS, USA

Integrating Geochemistry with Other Reservoir Diagnostic Tools – Implications for Infill Planning and Development in the Midland Basin	188
<i>Oyebode Famubode, Nelson Acosta, Jana Bachleda, Cristhian Silva, Dana Gallegos, Beatriz Gomez, Muqing Jin, Shuangyu Ge, Tao Lv</i>	
Primary Depletion Characterization with No Flow Boundaries Drainage Concept	207
<i>W. Prabowo, M. D. Rincones, D. Boyd, C. Chen, A. Dutta</i>	
A New GOR Forecasting Methodology for Unconventional Reservoirs.....	220
<i>C. Chen, A. Lumbangaol, H. Zhou, D. Miocevic, N. McMahan</i>	

Author Index