

# **3rd EAGE/AAPG Workshop on Tight Reservoirs in the Middle East**

Abu Dhabi, United Arab Emirates  
4 – 6 October 2015

ISBN: 978-1-5108-1418-9

**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© (2015) by the European Association of Geoscientists & Engineers (EAGE)  
All rights reserved.

Printed by Curran Associates, Inc. (2015)

For permission requests, please contact by the European Association of Geoscientists & Engineers (EAGE)  
at the address below.

European Association of Geoscientists & Engineers (EAGE)  
PO Box 59  
3990 DB Houten  
The Netherlands

Phone: +31 88 995 5055  
Fax: +31 30 634 3524

[eage@eage.org](mailto:eage@eage.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: 845-758-2634  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

# TABLE OF CONTENTS

<b>P01: Study of Coalbed Methane (CBM) in Muara Air Lawai, Lahat, South Sumatra and Air Dingin, Sawahlunto, West Sumatra</b> .....	1
<i>M. Fitri, J. Choi, H. Yoo, J. Lee</i>	
<b>P06: Sedimentation, Eustasy and Tectonic Constraints of the Eocene Hydrocarbon Systems of the Gulf of GabesBasin- GGB, Tunisia</b> .....	4
<i>F. Taktak</i>	
<b>P08: Measurement While Drilling System Improves Wellbore Placement</b> .....	10
<i>C. Viens</i>	
<b>TR01: Creating Success from a Tight Channel Sand</b> .....	12
<i>M. Elasmr</i>	
<b>TR02: Significance of Clay Mineralogy for Reservoir Quality Prediction</b> .....	13
<i>H. Hajj, W. Suzart, M. Tammar, T. Al-Ghandi, A. Al-Abdullatif</i>	
<b>TR03: The Depositional Heterogeneity of the Organic-Rich Deposits of Oxfordian Age in Kuwait</b> .....	16
<i>G. Gega, A. Al-fares</i>	
<b>TR06: Regional Characterization of Middle Triassic-Middle Jurassic Tight Reservoirs in Abu Dhabi, UAE</b> .....	18
<i>J. Hu, J. Witte, F. Neves</i>	
<b>TR07: A Holistic Study to Optimize Production in Laminated Tight Clastic Reservoirs: Application of Unique Workflows in Egypt's Western Desert</b> .....	22
<i>A. Mahesh, K. Kanneganti, B. Mahmoud, Y. ElDarawy, C. Fredd</i>	
<b>TR12: Improved Diagnosis Of Flow Regimes in Drawdown Test Using Statistical Derivative</b> .....	30
<i>Y. Biu, Z. Shi-Yi</i>	
<b>TR13: A New Strategy to Explore Tight Oil / Gas Reservoirs Fit for Purpose Acid Fracturing</b> .....	37
<i>G. Mahmoud</i>	
<b>TR15: Retrospective Study and Multidisciplinary Optimization Workflow to Address Production Challenges in Ultralow Permeability, Tectonically Active, HPHT D</b> .....	38
<i>K. Kanneganti, A. Mahesh, J. Salavarría, C. Fredd, E. Fidan, R. Srinivasa, M. Acharya</i>	
<b>TR16: Structured Multidiscipline Data Acquisition and Integration for Optimum Unconventional Reservoir Drainage and Field Development</b> .....	41
<i>A. Sultan, K. Kurison, L. Yunsheng, R. Angelica, H. Alshafy</i>	
<b>TR17: An Integrated Approach to Characterize Fracturing Sand</b> .....	45
<i>B. Zoghbi, W. Razzaq, W. Suzart, M. Abdulaziz</i>	
<b>TR18: Optimizing Wellbore Construction with Managed Pressure Drilling (MPD) and Managed Pressure Cementing (MPC)</b> .....	48
<i>I. Poletzky</i>	
<b>Author Index</b>	