

Seminars - Tuesday, November 2nd

Session 7

EOR BEYOND THE NEXT DECADES

Capital Suite 1 09:00 – 11:00

Session Chairs: David Cobb, BP and Karl Berteussen, Petroleum Institute

- 129692 **Demonstration of Low Salinity EOR at Interwell Scale, Endicott Field, Alaska**
SPE Repeat 09:00
J. Seccombe, A. Lager, G. Jerauld, B. Jhaveri, T. Buikema, S. Bassler, J. Denis, K. Webb, A. Cockin, E. Fueg, F. Paskvan, BP
- 137689 **Twin Tailed Surfactants for Creating CO₂-in-Water Macroemulsions for Sweep Enhancement in CO₂-EOR**
09:30
A. Sanders, The Dow Chemical Company; Q. Nguyen, N. Nguyen, S. Adkins, K. Johnston, The University of Texas at Austin
- 134613-MS **The Potential Applications in Heavy Oil EOR with the Nano-Particle and Surfactant Stabilised Solvent-Based-Emulsion**
SPE Repeat 10:00
F. Qiu, D. Mamora Texas A&M University
- 138135 **Research for Microbial Conversion of Residual Oil into Methane in Depleted Oilfields to Develop New EOR Process**
10:30
H. Maeda, Y. Miyagawa, M. Ikarashi, INPEX Corporation; D. Mayumi, H. Mochimaru, H. Yoshioka, S. Sakata, AIST; H. Kobayashi, H. Kawaguchi, K. Sato, University of Tokyo

Alternate/Poster

- 129967 **Results of a Three-Well Waterflood Sweep Improvement Trial in the Prudhoe Bay Field Using a Thermally Activated Particle System**
SPE Repeat 10:00
M. Husband, D. Ohms, H. Frampton, S. Carhart, B. Carlson, BP; J. Morgan, Jimtech; K. Chang, Nalco

Session 8

TECHNOLOGY TO REDUCE ENVIRONMENTAL FOOTPRINT

Capital Suite 3 09:00 – 11:00

Session Chairs: Ahmed N.S. Alriyami, ADMA and Othman Zarzour, Masdar

- 133543 **Best Practices in the Allocation, Commissioning, and Maintenance of Ultrasonic Gas Leak Detectors**
09:00
E. Naranjo, General Monitors; G. Neethling, Gassonic A/S
- 137954 **Integrated Monitoring Radon and NORM Scale: HSE Case Study Well Surveillance**
09:30
A. Nengkoda, Schlumberger, M. Hajri, A. Kindy, A. Bulushi, A. Yazeedi, R. Velagapudi, Petroleum Development Oman; B. Nicol, Champion
- 137348 **Validation of a Numerical Model for Simulation of Drilling Discharges to Sea**
10:00
E. Furuholt, Det Norske Veritas; H. Rye, SINTEF Materials and Chemistry
- 138493 **Improved Flaring Technology: High Pressure Air Assist System for Smokeless Flaring**
10:30
M. Mashour, Saudi Aramco; S. Smith, N. Palfreeman, G. Seefeldt, Zeeco

Session 9

INTEGRATED FACILITIES OPTIMISATION

Capital Suite 5 09:00 – 11:00

Session Chairs: Abu Baker Al Gifri, ADCO and Amy Galbreath Omar, ExxonMobil

- 136713 **Development of an Integrated Availability Model**
09:00
B. Santoso, ADCO
- 138526 **Yield and Energy Optimisation Initiatives at Saudi Aramco Khurais Central Processing Facility**
09:30
K. Amminudin, Saudi Aramco
- 137361 **Waterflood: Surface Management Strategy**
10:00
C. Pedro, CABGOC; J. Sutton, A. Zhumadilov, F. Dordoni, D. B. Rains, Chevron
- 137978 **Maximising Value of a Giant Offshore Asset through Production Planning, Optimisation and Capacity Management**
10:30
A. Amin, A. Al-Zaabi, M. Elamin, A. Al Kiyoumi, S. Tariq, ZADCO

Session 10

DEVELOPMENT OPTIMISATION I

Capital Suite 7 09:00 – 11:00

Session Chairs: Hemanta Sarma, PI and Jamal Nasir Bahamaish, ADCO

- 138527 **Gas Injection Pilot Field Case: An Integrated Monitoring Plan to Tackle Pilot Results and Identify Uncertainties in Heterogeneous Reservoir**
09:00
M. Al Marzouqi, N. Al Zaabi, A. Schaeffner, H. Al-Marasy, ADMA OPCO
- 137992 **Wellbore Segmentation Using Inflow Control Devices: Design and Optimisation Process**
09:30
A. Al-Marzooqi, H. Helmy, A. Keshka, ADCO; M. Elasmars, S. Shafie, Baker Hughes
- 137888 **Addressing Reservoir Heterogeneities in the Development of Upper Jurassic Carbonate Reservoirs, Offshore Abu Dhabi**
10:00
C. Lehmann, K. Al Hosany, T. Matarid, M. Sayed, ADMA-OPCO
- 137061 **Management of Water Injection Quality in a Giant Carbonate Onshore Oilfield, Abu Dhabi, UAE**
10:30
B. A. Stenger, A. B. Al Katheeri, S. H. Al Kendi, A. Elabed, ADCO

Session 11

ARTIFICIAL LIFT

Capital Suite 8 09:00 – 11:00

Session Chairs: Jamal Abboud, ADCO and Motiur Rahman, Petroleum Institute

- 136880 **Latest Technological Advances in Rod Pumping Allow Achieving Efficiencies Higher than with ESP Systems**
09:00
H. A. Belhaj; G. Takacs, The Petroleum Institute
- 138672 **Gas Well Deliquification Application Overview**
09:30
W.J. Hearn, Weatherford
- 137337 **Troubles, Problems and Improvement of ESP**
10:00
N. Shimokata, Y. Yamada, Abu Dhabi Oil Company, Japan
- 138464 **ESP Runtime Optimisation – Low Volume High GOR Producers**
10:30
R. Al-Aslawi, M. S. Al-Haimer, T. A. Al-Khonani, KGOC; Alireza Zahedi, Abdulaziz Al-Najim Saudi Arabian Chevron

Alternate/Poster

- 138673 **High Reliability Type Gas Lift Equipment**
W.J. Hearn, Weatherford

Session 12

SEISMIC ACQUISITION AND PROCESSING

Capital Suite 10 09:00 – 11:00

Session Chairs: Hiroshi Hagiwara, Inpex and Stephen Francis Hart, Shell

- 138201 **Distance Separated Simultaneous Sweeping: Efficient 3D Vibroseis Acquisition in Oman**
09:00
J.G. Bouska, BP
- 137077 **Advances in Seismic Processing Yield New Insights for a Giant Onshore Carbonate Oilfield, Abu Dhabi, UAE**
09:30
S. L. Mahmoud, M. T. Hadidi, M. Grausem, ADCO; A. Haddabi, CCGVeritas
- 137293 **New Approach in Seismic Data Processing of Dual Sensors 3D OBC Data, Case Study from Shallow Marine Offshore Abu Dhabi**
10:00
M.A. Mahgoub, H. S. Al Senani, J. Witte, ADNOC
- 138575 **VSP Planning, Acquisition and Processing of a Zero Offset to Multi-Azimuth Walkaway VSP in the Arabian Gulf**
10:30
A. M. Khawaja, F. H. Al Mussawi, RasGas Company Limited; S. Cao; Schlumberger; A. Darwish, Qatar Petroleum

Alternate/Poster

- 137636 **3D OBC Seismic Survey Geometry Optimisation Offshore Abu Dhabi, UAE**
T. Ishiyama, G.M. Mercado, K. Belaid, ADMA OPCO
- 137919 **We Need to Re-Think the Acquisition and Processing Parameters for Sea Bottom Seismic in the Arabian Gulf**
K. Berteussen, The Petroleum Institute; Y. Sun, Texas A&M University

Session 13

INTELLIGENT ENERGY AND FUTURE OPERATIONS

Capital Suite 1 15:00 – 17:00

Session Chairs: Pete Smith, Halliburton and Elie Daher, Schlumberger

- 136634 **How Smart Completion Can Maximise Oil Production and Recovery Factor in Stacked Marginal Reservoirs**
15:00
G. Naroso, ADCO; J. P. Hofland, Shell
- 137668 **Intelligent Oilfield Consideration for New Developments Offshore Abu Dhabi**
15:30
D. Cobb, M. Forster, M. Kirkman, ADMA-OPCO
- 136535 **Wireline Well Tractor Technology Experience in Extended Reach Horizontal Well**
16:00
A. S. Shawly, M. H. Buali, M. R. Omran, A. A. Dashash, W. K. Guraini, A. A. Nawawi, Saudi Aramco; H. Al-Khamees, N. Al Awami, Welltec; J. Torne, Halliburton
- 136828 **Effect of Real Time Measurements and Analysis on Carbonate Stimulation in Horizontal Open Hole Producers Lessons Learnt at Eocene Field in the Partitioned Neutral Zone**
16:30
J. Al-Rubaiyea, A. A. Metwally, Kuwait Gulf Oil Company; F. S. Al-Hadyani, S. Hamid, J. Jacobson, I. Nugraha, Schlumberger

Session 14

SUSTAINABLE HSE PERFORMANCE

Capital Suite 3 15:00 – 17:00

Session Chairs: Nawal Al-Qubaisi, ADMA and Stephen Lloyd, OXY

- 137700 **Relative Culture Strength - Key to Sustainable World Class Safety Performance**
15:00
J. van Westhuyzen, DuPont Sustainable Solutions
- 138683 **Do We Need a Culture Change to Win Everyone's Heart and Mind**
15:30
M. Al Muflehi, N. Macwan, ADMA-OPCO
- 137702 **Ensuring Contractor Alignment with Safety Culture**
16:00
B. PGM van de Riet, DuPont Sustainable Solutions
- 137975 **Crossing Barriers in Language and Comprehension to Improve Worker Safety**
16:30
H. Campbell, A. Duguay, C. Lecoindre, Total Abu Al Bukhoosh

Session 15

FLOW ASSURANCE

Capital Suite 5 15:00 – 17:00

Session Chairs: Jose Lozano, Partex and Manea S Aljaberi, ZADCO

- 138275 **Integrated Discipline Approach to Conquer Asphaltene Challenges in On-Shore Abu Dhabi Oilfields**
15:00
M. Grutters, K. Ramanathan, E. Clarke, D. Naafs, Z. Huo, A. Stankiewicz*, Shell; D. Abdallah, S. Zwolle, ADCO (*Current employer – Schlumberger)
- 137906 **Downhole and Topside Scale Challenge "Removal, Prevention and Inhibition Strategy"**
15:30
A.R. Al Salami, A.A. Monem, ZADCO
- 136503 **Foaming Mitigation and Process Upset Management: Operation Case Study**
16:00
A. Nengkoda, Petroleum Development Oman
- 138045 **Operational Experience Using Acoustic Reflectometry to Detect Blockages in Gas Pipelines**
16:30
X. Wang, B. Lennox, University of Manchester; G. Short, Pipeline Engineering and Supply Company Limited

Alternate/Poster

- 136836 **A Holistic Solution for Compact Oil Treatment Separation Systems**
M.Chiesa, W.Hamid, Hamworthy Oil & Gas Systems
- 134344 **Gas Well Deliquification Using Microwave Heating**
M. Kamal, G. Nikhil, S.D. Patwardhan, F. Al-Dogail, M.I.T., Pune

Session 16

DEVELOPMENT OPTIMISATION II

Capital Suite 7 15:00 – 17:00

Session Chairs: Rashid Al-Busaidi, PDO and Tayba Al Hashemi, ADCO

- 137659 **Application of a Well Slot Optimisation Process to Drilling Large Numbers of Wells in Clusters on Artificial Islands**
15:00
W. W. Martin, J.V. Walters, ZADCO, P.W. Woodard, Halliburton
- 133248 **Integrated Study for Field Development Challenge of a Brownfield with Seven Stacked Reservoirs**
15:30
E. Kasap, D. Qassabi, R. B. Lukmanov, R. Busaidi, A. Zafari, Petroleum Development Oman
- 137965 **Determination of Critical In-Situ Stress Parameter for Future Well Placement: An Integrated Case Study from C-Series Fields of Tapti-Daman Block, Mumbai Offshore, India**
16:00
S. Parashar, K. Sikdar, D. B. Roy, C. Shrivastva, Schlumberger; V.B.Kumbhar, P.P.S. Majithia, R. C. Baishya, R. Avtar, ONGC
- 128542 **Angola: Greater Plutonio - Delivering a Successful Real Time Information Pipeline**
SPE Repeat 16:30
D. A. Booth, C. Hammond, BP Angola; P. M. Sebastiao, BP

Alternate/Poster

- 138202 **Identifying the Remaining Opportunities in a Mature Field: A Case Study**
B.A. Al Amri, N. I. Al Bulushi, R. Busaidi, F. L. Wolters, S. H. Wong, E. A. Sadek, L. Drammeh, Petroleum Development Oman
- 137070 **Challenges for Horizontal Well Placement Optimisation in a Giant Mature Onshore Oilfield, Abu Dhabi, UAE**
A. B. Clark, M. E. Al Suwaidi, J. D. Mead, ADCO

Session 17

SEISMIC INTERPRETATION AND ANALYSIS

Capital Suite 8 15:00 – 17:00

Session Chairs: Robert Bacon, Baker Hughes and Stephen Hart, Shell

- 133813-MS **Integrating Flow Simulation with Multi-Component Time-Lapse Seismic: Application to Postle Field CO₂ EOR Project**
SPE Repeat 15:00
A. E. Heris, H. Kazemi, T.L. Davis, Colorado School of Mines; S. Wehner, Whiting Oil and Gas Corporation
- 138586 **Comparison of Traditional and Digital Rock Physics Techniques to Determine the Elastic Core Parameters in Thamama Formation, Abu Dhabi.**
15:30
N. Derzhi, E. Diaz, C. Baldwin Q. Fang, A. Sulayman Ingrain; J. Dvorkin, Ingrain and Stanford University; W. L. Soroka, ExxonMobil; A. Clark, T. Al Dayyani, Z. Kalam, ADCO
- 137194 **Impact of Improved Seismic Data in a Mature Carbonate Production Setting, Offshore Abu Dhabi, UAE**
16:00
Z. J. Shevchek, J. Zhang; R. El Awawdeh, N. A. Khouri, A. A. Sultan, ZADCO; J. M. Reilly, ExxonMobil Upstream Research Company
- 137660 **Seismic Sequence Stratigraphy in Mapping Complex Reservoir Reef Build-Up Geometries, Offshore Abu Dhabi Field**
16:30
S. Bellah, A. Al Shateri, ZADCO; M. G. Kumpas, Ocean Stone Limited

Session 18

FORMATION EVALUATION (ROCK AND FLUIDS)

Capital Suite 10 15:00 – 17:00

Session Chairs: Louai Machhour, Total and Youssef Al Mehairy, ADCO

- 137679 **Whole Core Versus Plugs: Integrating Log and Core Data to Decrease Uncertainty in Petrophysical Interpretation and STOIP Calculations**
15:00
S. Serag El Din; I. Al Hosani, ADCO, M.R. Dernaika, L. Hannon, Weatherford; S.M. Skjæveland, University of Stavanger
- 135873 **Shallow Azimuthal Measurements "A Step Towards 3D Petrophysical Evaluation in Thin Reservoirs"**
15:30
K. A. Al Daghar, R. H. Sayed, A. F. Abdelaal, ADCO
- 137357 **Methods and Tools for the Development of Consistent Reservoir Rock Type Based Relative Permeability and Capillary Pressure Models for Reservoir Simulation**
16:00
J. G. Kralik, K. Guice, J. P. Meissner, ExxonMobil Upstream Research Company