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O. Alvarez, F. Almutair, H. Ghannam, Saudi Aramco; U. Hassany, Smith Bits, a Schlumberger Company; A. Samy, S.M. Siddik, Schlumberger

Innovative Coastal Research in Qatar: Improving Geological and Reservoir Modeling
C.J. Strohmenger, J. Jameson, ExxonMobil Research Qatar

Mechanism and Application of Improving Heavy Oil Recovery Greatly by Solvent and Foam Assisted Steam Flooding
S. Jianfang, SINOPEC Expl & Prod Rsch Inst; W. Guanghuan, Geology and Science Research Institute, Shengli Oil Field Co., Sinopec

Dynamic Reservoir Uncertainty Evaluation for Production Delivery Assurance

Sand Management Strategy Using Reliability Engineering Analysis Techniques:
A Case Study of an Angolan Ultra-deep Water Field
T. Arubi, B. Blosser, G. Gall, BP Exploration Operating Co; E. Igwe, Shell Nigeria

Concentric Coiled Tubing Technology Revolutionizes Logging Sub-Hydrostatic, Single-Completion Wells
M. Ababou, Baker Hughes Intl Inc; A. Shote, Baker Hughes Inc; T. Sturgeon, Baker Hughes

Qatargas Process Safety Program
P.S. Saravanan, Qatargas Operating Company Limited

Flow Modeling and Comparative Analysis for a New Generation of Wireline Formation Tester Modules
M.R. Kristensen, C. Ayan, Y. Chang, R. Lee, A. Gisolf, J. Leonard, Schlumberger; P.Y. Corre, Schlumberger; H. Dumont, Schlumberger
IPTC-17386-MS
World’s First Ever Tandem Slim 2.125 inch Coiled Tubing Tractor for ESP Openhole Completions

IPTC-17387-MS
DIET: An Integrated Approach of Getting The Right Data and Maximizing its Value

IPTC-17388-MS
Acoustic Velocity Measurements and Interpretation for Challenging Fluid Systems
E. Lewis, B. Dindoruk, G. Odikpo, Shell International E&P Inc.

IPTC-17389-MS
Active Field Development Without Harm to Saudi Arabia’s Gulf Ecosystems
J.O. Arukhe, S. Ghamdi, S. Hanbzazah, A. Ahmari, Saudi Aramco

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Innovative Integrated Process Scheme For Native CO₂ Recovery
C. Weiss, F. Pousse, K. Ghodasara, TOTAL; M. Linicus, E. Jüngst, S. Fränkle, Air Liquide Global E&C Solutions

IPTC-17391-MS
Differentiating Between Oil-Base Mud Filtrate and Multiphase Formation Fluids Using Wireline Formation Testing Techniques: Case Studies from Saudi Arabia
M.A. Al-Harthi, F. Kelly, F.N. Alenezi, Saudi Aramco; W. Soleiman, Halliburton

IPTC-17392-MS
Rediscovering the Reservoir by Using New Logging Techniques in Mature Fields
Z. Liu, Kinder Morgan; K. Kwong, R. Hull, I.R. Hunt, Halliburton

IPTC-17393-MS
High-Resolution Distribution of Organic Matter in Carbonate-rich Oil Shales Controlled by Climatic Cycles and Depositional Environments
B. Caline, TOTAL E&P; D. Dessort, Total; I. Billeaud, S. Cantaloube, P. Allix, J. Krafft, R. Le Van Loi, D. Duclerc, TOTAL E&P

IPTC-17394-MS
Advanced Technologies For Produced Water Treatment And Reuse
A. Hussain, J. Matar, A. Janson, S. Gharfeh, S. Adham, ConocoPhillips

IPTC-17395-MS
SHE&S Excellence and Innovation for the Barzan Onshore Project
B. Dehart, RasGas Company Limited. J. Brand, Japan Gas Corporation
IPTC-17397-MS
Development of Choke Multiphase Flow Modeler
A. Rahimzadeh, P. Mohammadmoradi, PETROPARS

IPTC-17398-MS
Integrated Gas Management to Maximize Well Potential and Reserves within a Mature Oil Field
E. Gunasan, A. Pearce, C. Blondeau, Total Abu Al Bukhoosh

IPTC-17399-MS
Effective Wells Corrosion Mitigation in Two Major Middle East Fields: A Case Study
M.S. Alzahrani, K.X. Senusi, D.R. Lewis, A.Y. Al Aty, F.A. Shinaiber, Saudi Aramco

IPTC-17400-MS
Holocene Intertidal Microbial Mats Of Qatar And Their Implications For Petroleum Source Rock Formation In Carbonate-Siliciclastic-Evaporite Systems
M. Slowakiewicz, University of Bristol; L. Thomas, School of Society, Enterprise and Environment, Bath Spa University; M.E. Tucker, S.D. Ooi, F. Whitaker, R.D. Pancost, University of Bristol

IPTC-17401-MS
Using Wireline Formation Tester Pressure Survey to Validate and Fine-tune Model Building: A Case Study for a Multi-layered Mature Reservoir
S.I. Badusha, A.M. Qamber, S. Al-Rashdan, A. Safar, A. Mahato, S. De, Kuwait Oil Company

IPTC-17402-MS
Experimental Simulation Of Hydrocarbon Expulsion
L. Schwark, M. Stockhausen, Kiel University; R. Galimberti, Eni SPA E&P Division; R. Elias, ENI E&P Division

IPTC-17404-MS
Multifunctional Boronic Acid Crosslinker for Fracturing Fluids
J. Holtsclaw, Halliburton; D.M. Loveless, Halliburton Energy Services Group; J.D. Weaver, Halliburton Energy Services Grp; J.W. Ogle, Halliburton Co.; R.K. Saini, formerly of Halliburton

IPTC-17405-MS
Reservoir Quality Assessment From Clay Mineral Distribution in the Neogene of North Kuwait
P.K. Mishra, B.H. Akbar, K. Ahmad, F. Ferdous, P.K. Choudhary, J. Javier, F.F. Abbas, Kuwait Oil Company

IPTC-17407-MS
Recent Advances in Seismic Monitoring of Thermal EOR
IPTC-17409-MS
Channel Fracturing Enhanced by Unconventional Proppant Increases Effectiveness of Hydraulic Fracturing in Devonian Formations of Russia’s Oilfields

IPTC-17411-MS
High Resolution Sequence Stratigraphy Analysis in a Carbonate Reservoir from Borehole Resistivity Image: a Case Study from Tarim Basin, West China
S. Yang, Schlumberger; C. Xiao, PetroChina; G. Wei, I. Le Nir, Schlumberger

IPTC-17413-MS
ESP Well Surveillance using Pattern Recognition Analysis, Oil Wells, Petroleum Development Oman

IPTC-17415-MS
GtL Efficiency
A.S. Al-Tamimi, Qatar Petroleum

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J.M. Al-Mulla, Qatar Petroleum

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A Fresh Look at Thin-bed Prospectivity Within Conventional Shallow Water Clastic Plays; Implication for Significant Bypassed pay
R. Dashti, Schlumberger; A. Dahlan, K. Kyi, PETRONAS Carigali Sdn Bhd; D. Basu, Schlumberger

IPTC-17419-MS
Pore structure characteristics of non-marine shale in Ordos Basin, China
C. Fang, M. Amro, TU Bergakademie Freiberg

IPTC-17421-MS
What Happened To All My Gas?” P/z Plots In Layered Reservoirs”
F.C. Ross, Qatargas Operating Company Limited

IPTC-17422-MS
Multiphase Flow Meters Trial Testing in High GOR/GVF Environment
A. Nasri, A.A. Al-Anizi, M.A. Al-Amri, F.T. Al-Khelaiwi, A.F. Al-Anazi, Saudi Aramco
IPTC-17423-MS
An Evaluation of Production Casing Corrosion Due to Ingress of Sour Gas in the Tubing-Casing Annulus
L. Morshidi, M.Z. Farooqui, RasGas Co. Ltd.; A. Kumar, S. Desai, J. Pacheco, ExxonMobil; M.A. Bugti, RasGas Company Limited

IPTC-17424-MS
Identification and Origin of Tar-Mat in Permo-Triassic Dehram Reservoir, Khayam Field, SW Iran
A. Ahanjan, M. Khaleghi, P. Hassanzadeh, National Iranian Oil Company

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D. Al Mutawa, Dolphin Energy Ltd.

IPTC-17426-MS
Virtual Outcrop Geology - A Case Study on Effective Learning and Data Preservation
A.F. AhmadZamri, A.S. Al-Mannai, RasGas Company Limited; C.J. Strohmenger, ExxonMobil Exploration Co.; J. Foeken, Qatar Petroleum

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Helium 2 - A New Dimension to Energy Resources
M.S. Al-Harbi, RasGas Co. Ltd.

IPTC-17429-MS
Determination of Reservoir Permeability Based on Irreducible Water Saturation and Porosity from Log Data and FZI (Flow Zone Indicator) from Core Data
M. Fazel Alavi, Independent Consultant; M. Fazel Alavi, Senergy AS; M. Fazel Alavi, Kansas Geological Survey

IPTC-17430-MS
Production Engineering and Geoscience Integration (PEGI) as an Integrated Tool for Reservoir Surveillance and Opportunity Generation for Dukhan Field, Qatar
J.M. Negron, B. Dwiyarkoro, W. Hasan, A. Abuhelaiqa, Qatar Petroleum
IPTC-17435-MS
Unlocking Small-Scale GTL: Cost-Effective Platform for Producing Drop-in Fuel From Syngas via a Single-Loop, Catalytic Thermochemical Process
G. Boyajian, N. Li, H. Fang, M. Qin, R. Koros, A. Keller, E. Gal, Primus Green Energy

IPTC-17436-MS
A Novel Approach for Characterising Reservoir Properties and Post-Stimulation Effectiveness in Multi-Layer Completions
D. Chang, J.A. Gantt, ExxonMobil Upstream Research Company; H. Al-Kharaz, M. Berzou, RasGas Company Limited

IPTC-17437-MS
Remaining Oil Saturation Determination in Dukhan Arab C and Arab D Reservoirs

IPTC-17438-MS
Application of an Integrated Approach to Preserve Geologic and Seismic Consistency in a History Matching Workflow of a North Sea Chalk Reservoir
H. Sudan, ConocoPhillips Co; E. Tolstukhin, ConocoPhillips Norge; L. Hu, ConocoPhillips Co

IPTC-17439-MS
Emerging Technologies and the Future of Hydraulic Fracturing Design in Unconventional Gas and Tight Oil
E.R. Fonseca, Shell Oil Co.

IPTC-17440-MS
New Sour Gas Corrosion Inhibitor Compatible with Kinetic Hydrate Inhibitor
C. M. Menendez, J. Jardine, W. Y. Mok, S. Ramachandran, V. Jovancicevic, and A. Bhattacharya, Baker Hughes

IPTC-17441-MS
Shifting Reservoir Development Focus to IWAG for a Matured Water Flood Case
S.K. Shrivastava, PETRONAS Carigali Sdn Bhd; M.B. Rahim, A.N. Cheng Ho, R.B. Rasid, M.F. Sedaralit, PETRONAS

IPTC-17442-MS
Development and Testing of Advanced Wireline Conveyance Technology for Rugose Open Hole Conditions
A.F. Ahmad Zamri, RasGas Co. Ltd.; C.H. Myers, RasGas Company Limited; S. Ahmed, O. Abdelzaher, M. El-Ghammal, Texas A&M at Qatar; S. Remmert, Retired - ExxonMobil Development Company
IPTC-17443-MS
An Assessment of the Influence of Micro-porosity for Effective Permeability Using Local Flux Analysis on Tomographic Images
S. Norouzi Apourvari, C. H. Arns, University of New South Wales

IPTC-17444-MS
Semi-Automatic Facies Up-scaling Technique for Litho-Seismic Classification - Application to a field located in Western Offshore Africa
S. Sengupta, T. Cadoret, F. Pivot, Total; G. Federle, CGG

IPTC-17446-MS
Ultrafast Determination of Archie and Indonesia m&n Exponents for Electric Log Interpretation: a Tight Gas Example
N. Bona, E. Rossi, eni e&p; B. Bam, eni e&p

IPTC-17447-MS
Estimation of Rock Compressive Strength Using Downhole Weight-on-Bit and Drilling Models
P.B. Kerkar, Shell International Exploration and Production Inc.; G. Hareland, Oklahoma State University; E.R. Fonseca, C.J. Hackbarth, Shell International Exploration and Production Inc.

IPTC-17450-MS
The Production of GTL Jet Fuel in Qatar
A. Al Sharshani, Shell

IPTC-17451-MS
Two Strategies for Attenuating Internal Multiples in Land Data
M. Retailleau, CGG Subsurface Imaging; J. Shorter, H. Farran, Petroleum Development Oman; P. Hugonnet, T. Wah Hong, N. Benjamin, A. Pica, CGG Subsurface Imaging

IPTC-17452-MS
Comparison of Probabilistic Techniques in the Study of Fluid Effects on Seismic Properties
W. Ampomah, C. Her-Yuan, J. Assad, New Mexico Institute of Mining and Technology

IPTC-17453-MS
Reservoir Rock Typing of Upper Shu’aiba Limestones, Northwestern Oman
S. Al-Tooqi, N. Al Habsi, M. Al Shukaili, S.N. Ehrenberg, Sultan Qaboos University

IPTC-17455-MS
A New Treatment Technique of Produced Water from Polymer Flooding
X. Wang, Beijing University of Technology; R. Liu, Z. Shao, CNPC; J. H. Miller, EnsoChem; S. Wakasiki, National Petroleum; R. Lisana, Anthia EOR
IPTC-17456-MS
Chemical Consolidation of Sand Propped Fractures in a Chalk Reservoir Offshore Denmark
With Enzymatic Calcium Carbonate Scale
M. Morkved, C. Knight, B. Bansal, A. Garcia Algora, W. Zhuang, Maersk Oil; H. Rohde, M-I SWACO; A.C. Nelson, M-I Swaco Norge A/S

IPTC-17457-MS
Lattice Boltzmann Flow Simulations With Applications of Reduced Order Modeling Techniques
D. Brown, J. Li, M. Ghommem, V. Calo, King Abdullah University of Science and Technology; Y. Efendiev, Texas A&M University

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Production Monitoring by Intelligent Chemical Inflow Tracers in Long Horizontal Heavy Oil Wells for the Nikaitchug Field, Northern Alaska
M.D. Kuck, Eni Petroleum Co. Inc.; L. Nofziger, P. Gentil, eni Petroleum; E.S. Faevelen, ResMan AS

IPTC-17460-MS
Dynamic Multiphase Kick Tolerance Allows Safe Drilling Which Led to Huge Gas Discovery in a HPHT Exploration Well in Malaysia
S.W. Nas, SPT Group; W. Woo, B. Escalona Valera, A.E. Prasetia, Schlumberger; Y. Yap, PETRONAS Carigali Sdn Bhd; I. Umar, Petronas Carigali Sdn. Bhd.; M. Ab Murad, PETRONAS Carigali Sdn Bhd

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TOTAL E&P Consideration of new Technologies in Rotating Machines to Respond to the Requirements of Future O&G Developments
B. Quoix, A. Gelin, TOTAL

IPTC-17462-MS
A Parametric Study on Completion Design in Shale Reservoirs Based on Fracturing-to-Production Simulations
C. Cohen, S. Kamat, T. Itibrout, H. Onda, X. Weng, O. Kresse, Schlumberger

IPTC-17463-MS
Post-Production Heavy Oil Operations: A Case For Partial Upgrading
T.M. Lokhandwala, M. Barrufet, Texas A&M University

IPTC-17465-MS
A Comprehensive Approach of Well Integrity Surveillance

IPTC-17466-MS
Multiphase Drag Reducing Agents To Increase GOSP Production in Offshore Saudi Aramco: Field Applications
N.A. Al Amri, H.B. Al-Qahtani, R.L. Al-Khaldi, M.A. Al-Amoudi, Saudi Aramco
IPTC-17467-MS
Derisking Prerosetta Prospects In The Nile Delta Through Depth Imaging
M. Andreolli, N. Bienati, E. Gentile, M. Manera, A. Tansini, Eni E&P

IPTC-17469-MS
Online Inspection & Clamping of Large Size Steam Headers (52” & 48”) to Mitigate Steam Leaks from Multiple Weld Seams in Utilities Piping Systems
S. Kumar, S. Selvan, RasGas Company Limited

IPTC-17471-MS
Mauddud Fractured Reservoir Analysis, Greater Burgan field: Integrated Fracture Characterization using Static and Dynamic Data
O.M. Alzankawi, R.A. Al-Houti, F.A. Abdulla, E.D. Ma, Kuwait Oil Company; M. Alessandroni, N.M. Alvis, Beicip FranLab

IPTC-17472-MS
Implementation of Real Time Geosteering to Optimize Horizontal Drilling, Greater Burgan Field
A. Al-Zuabi, H.A. Bahman, R.K. Kotecha, Kuwait Oil Company; B. Mereno, KOC; S.H. Al Sabea, Kuwait Oil Company; P. Mukherjee, A. Mudavakkat, KOC; O.M. Alzankawi, J. Al-hamoud, Kuwait Oil Company

IPTC-17475-MS
Application of Artificial Neural Networks for Well Logs
A. Kohli, P. Arora, University of Petroleum and Energy Studies

IPTC-17476-MS
Uncertainty Quantification of Forecasted Oil Recovery using Dynamic Model Ranking with Application to a ME Carbonate Reservoir

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Ceramic Screens - An Innovative Downhole Sand Control Solution for Old and Challenging Cased Hole Completions
A. Nadeem, BG Group; M. Lopez, BG Bolivia; S. Joly, ESK Ceramics; R. Jackson, ESK Ceramics; A. Strazzi, BG Group; S. Wildhack, ESK Ceramics

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Dynamic 3D Imaging of Fluid Mobility in Natural Fractures Using High-resolution Positron Emission Tomography
M. Maucec, R.G. Dusterhoft, Halliburton; R.D. Rickman, formerly of Halliburton; R. Gibson, Halliburton; A. Buffler, M. Stankiewicz, University of Cape Town; M. van Heerden, iThemba LABS
IPTC-17481-MS
Treatment of Produced Water from Unconventional Resources by Membrane Distillation
J. Minier-Matar, A. Ahmed Hussain, A. Janson, S.S. Adham, ConocoPhillips

IPTC-17482-MS
History Matching the Clean-up of a Well at the Oselvar Field Using a Transient Multiphase Flow Simulator
B. Solvang, M.K. Krogstad, D. Lysne, A. Ashrafian, Weatherford Petroleum Consultants AS; E.A. Quale, DONG Energy AS

IPTC-17485-MS
Integration of Downhole Fluid Analysis and Advanced Mud Gas Logging Reduces Uncertainty in Reservoir Evaluation
Ko Ko Kyi, PETRONAS Carigali Sdn Bhd; Cheam Syeh Lynn, PETRONAS Carigali Sdn Bhd; Sammy Haddad, Schlumberger; Smail Chouya, Schlumberger; Wee Wee Wa, Schlumberger; Aleksandar Gligorijevic, Schlumberger

IPTC-17486-MS
A Horizontal Drilling Breakthrough in Developing 1.5 m Thick Tight Gas Reservoir - Case Study in Risk Uncertainty Management, Ordos Basin, North China
H. Pranata, Shell China Exploration and Production Co. Ltd; I.V. Rukachev, Schlumberger Trinidad Inc.; P. Wu, Petrochina Changqing Oilfield Co; O. Azwar, Schlumberger; W. Su, Shell China Exploration and Production Co. Ltd; P.M. Halomoan, Schlumberger; J. Li, B. Huang, Shell China Exploration and Production Co. Ltd; Y. Yang, G. Yi, N. Wang, Petrochina Changqing Oilfield Co

IPTC-17487-MS
RFEC PIG Designed for Long Distance Inspection
A.A. Mazraeh, F.B. Ismail, Asia Pacific University of Technology and Innovation; A.F. Alta’ee, Universiti Teknologi PETRONAS

IPTC-17489-MS
Maximizing the Benefits of Real-Time LWD Data for Production Performance Prediction

IPTC-17490-MS
Open-Hole Fluid Displacement for Carbonate Stimulation in Liner Completions
C.S. Mayer, R. Sau, C.E. Shuchart, ExxonMobil Upstream Research Co.

IPTC-17491-MS
An Investigation of Diagenesis Related to the Top Surface of the Upper Shu’aiba Formation in Cores from Northwestern Oman
N. Al Habsi, Shell Netherlands; S.N. Al-Tooqi, M. Al Shukaili, Sultan Qaboos University; S.N. Ehrenberg, The Petroleum Institute
IPTC-17492-MS
Mitigating Hydrates in Subsea Oil Flowlines: Consider Production Flow Monitoring & Control
A. Kanu, N. Al-Hajiri, Y. Messaoud, Qatar Petroleum; N. Ono, Qatar Petroleum Development Co. Ltd. (Japan)

IPTC-17495-MS
Assessing Reservoir Fracture Potential over Kra Al-Maru, Riksah Structure in the Kuwait Gotnia Sub-basin
Ramachandra Srigiriraju, Schlumberger; Ammar Heyam, Talal Fahad Al Adwani, Nikhil Banik, Bhaskar Chakrabarti, Ali Abu Ghneej, and Moustafa Alaa; Kuwait Oil Company; Aimen Amer and Awni Jaradat, Schlumberger

IPTC-17497-MS
CNG Application in Qatar
A. Kafood, Qatar Petroleum

IPTC-17498-MS
From a Project-oriented to an Operations-focused organization - The case of QG OPCO Well Engineering and Intervention Division
T. Paez, Qatargas

IPTC-17499-MS
Challenges in Uninterrupted Production and Supply of Gas to Mega LNG Trains
P. Kumar, S. Mitra, Qatargas

IPTC-17500-MS
Late Oligocene-Early Miocene Basin-Center Evaporites in Relationships to Multi-stage Tectonic Inversions in the Sinjar Trough, NW Iraq and NE Syria
P. Tai, G.J. Grabowski, C. Liu, ExxonMobil Exploration Company; A.O. Wilson, Consulting Geologist; J. Kendall, ExxonMobil Exploration Company

IPTC-17502-MS
Systematic Evaluation of Asphaltene Formation Damage of Reservoir Fluids from Lake Maracaibo, Venezuela
A. Memon, Schlumberger; C. Borman, Schlumberger Canada Limited; M. Garcia, Petroregional del Lago SA; D. Reyes, Petroregional del Lago S.A.; J. Ratulowski, J. Gao, Schlumberger

IPTC-17503-MS
The Field Tests for Measurement of Downhole Weight on Bit (DWOB) and the Calibration of a Real-time DWOB Model
G. Hareland, A. Wu, L. Lei, University of Calgary

IPTC-17504-MS
Dukhan Field CO2 Injection EOR Pilot: Reservoir Modeling & Planning
O. Ozen, T.A. Wahlheim, ExxonMobil Production Company; T. Attia, L. Barrios, M.N. Ab Majid, Qatar Petroleum; J.R. Wilkinson, Consultant
IPTC-17505-MS
Karachaganak Brownfield Vs. Kashagan Greenfield: Analogues Or "Apples And Oranges"?
C. Albertini, L. Bado, F. Bigoni, A. Francesconi, K. Imagambetov, G. Leoni, V. Tarantini, Eni E&P

IPTC-17508-MS
Pushing Maximum Reservoir Contact Applications to New Limits in Tight Facies: A Case Study of Middle East’s Highest Reservoir Exposure Producer
M.A. Al-Suwailem, C. Verma, H.A. Nooruddin, R.F. Saleh, M.A. Zarea, Saudi Aramco

IPTC-17509-MS
Gas Oil Ratio (GOR) Estimation Using Downhole and Surface Well Sensors
H.A. Muailu, F.T. Al-Khelaifi, F. Fallatah, A. Alfakher, Saudi Aramco

IPTC-17511-MS
Production Optimization of Maximum Reservoir Contact Well, Part III: Field Tests with Acoustic-Tolerant Multiphase Flowmeter

IPTC-17512-MS
How to Manage CT operations in Hostile environment: Field Case Studies on CT Challenges in Deep HPHT High Sour Carbonate Formations
P. Subban, H. Al-Bader, Y. Al-salali, V. Duggirala, M. Ayyavoo, A.R. Al-ibrahim, A. Rajkhowa, Kuwait Oil Company

IPTC-17513-MS
Spatial Modeling of Jurassic Arab Reservoir Depositional Environments as a Guide to Reservoir Connectivity Anisotropies: An Example from the Dukhan Field, State of Qatar

IPTC-17514-MS
Vertical and Horizontal Pressure Depletion Trends Captured by Ava Geostatistical Inversion Conditioned Reservoir Modeling: An Example From Late Messinian Lacustrine Turbidities Reservoirs, Nile Delta, Egypt
R.D. Vaughan, M. Ali, A. Mustafa, RWE Dea Egypt; T. Adly, Suez Oil Company Egypt; D. Sulistiono, A. Petrov, CGG-Jason

IPTC-17516-MS
Assessment and Development of Wells Casing Integrity Program in an Offshore Field: A Case History
M.N. Al-Khamis, K. Mei, Saudi Aramco; K.S. Al-Yateem, Saudi Aramco

IPTC-17517-MS
Enhanced Reservoir Characterization with Horizontal Well Logs in Dukhan Field, Qatar
P. Guo, ExxonMobil; A.M. Al-Naama, R.J. Stanley, A. Al-Sahlawi, B. Ekamba, H. Albotrous, Qatar Petroleum
IPTC-17518-MS
Reservoir Simulation Design Strategy for Next-Generation Multi-level Assisted History Matching

IPTC-17519-MS
Results from the Introduction of a New 3-d Radial Probe for Wireline Formation Testing in Western Siberia
M Charupa, P Weinheber, A Tsiklakov, A Latypov, Schlumberger; VH Goitia, JR Caraballo, Repsol; A Pashinsky, Yamal SPG

IPTC-17520-MS
Operational Excellence in Qatar’s First Successful Rigless Heavy Duty Wireline Fishing in a Qatargas Offshore Unmanned Platform
P.K. Das, Qatargas

IPTC-17523-MS
A High Field Solid-State Nuclear Magnetic Resonance Experimental Study for Clay and Shale Swelling
M.S. Alzahrani, Saudi Aramco, Colorado School of Mines; A.N. Tutuncu, Y. Yang, Colorado School of Mines

IPTC-17524-MS
Field Study: Impact of Risk Mitigation Systems and Solutions on the Fluid Sampling Success Rate and E&P Project Economics of a Large North Sea Field Development Project
H.C. Castillo, Baker Hughes Inc; P. Wills, PW Inc Limited; G.C. Scott, Nexen Petroleum UK Ltd

IPTC-17525-MS
Deciphering the Impact of Subsurface Geology on Reservoir Quality Indicators: Petrophysical Evaluation from Niger Delta
O. Ossai, Afren Plc; C. Cavalleri, C. Shrivastva, M. Claverie, Schlumberger

IPTC-17526-MS
Coupled Static and Dynamic Modeling of a Jurassic Arab Formation Reservoir: Parameter Sensitivities and Impact on the Quality of History-Matched Simulation Outputs, Dukhan Field, State of Qatar
D.J. Fenter, ExxonMobil Production Co.; R.J. Stanley, Qatar Petroleum

IPTC-17528-MS
Fibre Optic Sensing For Improved Wellbore Production Surveillance
J. Van Der Horst, Shell Global Solutions International BV; H. Den Boer, Shell; P. In ‘t Panhuis, Royal Dutch/Shell Group; B. Wyker, Shell; R. Al Mjeni, PDO; K.F. Awan, S.M. Al-Rajhi, Petroleum Development Oman; M.M. Molenaar, Shell Canada Ltd.; R. Kusters, D. Mustafina, L. Groen, A. Reynolds, Shell International E&P; R. Paleja, D. Randell, Shell Global Solutions UK; N. Bulushi, PDO; R. Bartlett, K. Green, OptaSense Ltd
IPTC-17530-MS
Detecting Leaks in Abandoned Gas Wells with Fibre-Optic Distributed Acoustic Sensing
K. Boone, OptaSense; A. Ridge, OptaSense; R. Crickmore, D. Onen, OptaSense

IPTC-17531-MS
Upper Oligocene-Lower Miocene Carbonate and Evaporite Depositional Systems of the Northern Arabian Plate
G.J. Grabowski, P.C. Tai, C. Liu, ExxonMobil Exploration Company; A.O. Wilson, Consultant

IPTC-17532-MS
Transforming Seismic Reflection Data Into Quantitative Rock Properties by Seismic Inversion
S. Rajput, Baker Hughes Incorporated

IPTC-17533-MS
Processing and Preliminary Interpretation of the Ultra High-Density Full-Azimuth 3D Seismic Survey, Dukhan Field, Qatar

IPTC-17535-MS
The Systematic Closing of the Performance Gap in Hydraulic Fracturing
M.J. Economides, University of Houston; V. Guk, Ruspetro LLC; D.S. Wolcott, M.N. Bychina, Ruspetro

IPTC-17536-MS
Tight Reservoir Stimulation for Improved Water Injection - A Novel Technique
M.Y. Alklih, B. Ghosh, The Petroleum Institute; E.W. Al-Shalabi, The University of Texas Austin

IPTC-17537-MS
Dipole Shear Imaging behind casing: Extending the borehole Acoustic Imaging envelope to Brown-fields
A. Srivastava, H. Yamamoto, S. Ahmed, J. Roberts, Schlumberger; F. Cantin, Total S.A.; O. MOREAU, Total; N. Bounoua, Qatar Petroleum

IPTC-17538-MS
Identifying Opportunities in a Complex Mature Oil Reservoir; a Company’s Experience
E.A. Omara, Suez Oil Company; A.F. El hawary, RWE-dea; M. Nosseir, A. Samieh, M. Baydoon, Suez Oil Company

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Challenges of Drilling HPHT High H2S Content Well Focusing Effective Well Control Measures with Consideration to SimOps
F. Al-Qattan, M.A. Alam, Kuwait Oil Company
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M.A. Al-Ismael, H.A. Nooruddin, Y.A. Al-Quhaidan, H.A. Al-Khawaja, Saudi Aramco; M. Shedid, INTEX

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N. Aoki, E. Asakawa, S. Abe, JGI

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T. Trudeng, X. Garcia-Teijeiro, A. Rodriguez-Herrera, J. Khazanehdari, Schlumberger

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M. Keym, Shell Global Solutions International; V. Dieckmann, Shell International; O. Podlaha, C. Bürger, O. Meuric, W. Senior, Shell Global Solutions International; P. Kuhn, Shell Global Solutions Int. B.V.

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C. Walker, D. Hays, FairfieldNodal

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E. Hager, S. Sonika, M. Garden, WesternGeco

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H.J. Robota, L. Richards, S. LeViness, S. Dhemukh, Velocys

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F. Hasiuk, Iowa State University; A. McKinney, ExxonMobil Canada Energy; F. Meek, ExxonMobil Development Company; B. Dwiyarkoro, Field Development / Qatar Petroleum; W.H. Jamieson, ExxonMobil Development Company; H.A. Al-Ansi, Oil Development, Qatar Petroleum; J.K. Miller, ExxonMobil Production Company
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A.K. Farraj, University of Toronto; S.L. Miller, Texas A&M University; K.A. Qaraqe, Texas A&M University at Qatar

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S. Pandey, S. Rana, A. Fakhro, Qatar Petroleum

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G. Shabbir, Saudi Aramco

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C. Temizel, Aera Energy; B. Hancioglu, Rice University; S. Purwar, S. Dursun, Halliburton; S. Tek, Incarnate Word University

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E. Daher, D. Dowd, D. Pye, B. Wicker, United Safety

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J.H. Ten Veen, H. Verweij, G. de Bruin, TNO; T. Donders, Utrecht University

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K.S. Al-yateem, Saudi Aramco; F. Aminzadeh, University of Southern California; F.T. Al-Khelaiwi, K. Zorbalas, Saudi Aramco

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A. Maliardi, F. Cecconi, eni e&p; D. Simeone, eni operating US; S. Gumarov, T.A. Shokanov, V.V. Anokhin, S. Benelkadi, F. Bosisio, R. Mangiameli, M-I SWACO, a Schlumberger Company
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Extended Elastic Impedance - A Time-efficient Workflow From Prestack Seismic Data, Through Rock Physics, To Reservoir Properties
K. Westeng, Schlumberger; T. Hope, Noreco Norway AS; A.E. Rasmussen, DONG Energy

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S.M. Didi-Ooi, F.F. Whitaker, University of Bristol; J. Jameson, C.J. Strohmenger, ExxonMobil Research Qatar

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On The Impact Of Depletion On Reservoir Seal Integrity: Geomechanical Model Application
P.M. Schutjens, Shell India Markets Private Ltd; J.J. Ita, Royal Dutch/Shell Group; P. Van Den Bogert, Shell International E&P (Rijswijk); P. Bakker, F.J. Hermsen, J.M. Webers, E.W. Van Den Heuvel, Brunei Shell Petroleum Sdn Bhd; L. Watts, PDO

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Modeling Tectonic Heat Flow and Source Rock Maturity in the Rub’ Al-Khali Basin (Saudi Arabia), with the help of GOCE Satellite Gravity Data
R. Abdul Fattah, S. Meekes, TNO; J. Bouman, DGFI; J. Ebbing, NGU; R. Haagmans, ESA

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M. Scholten-Vissinga, Petroleum Development Oman; S.C. Chockalingam, Shell International Exploration and Production Inc; G.M. Tiller, Shell Exploration and Production Company

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L. Kennan, E. Hafkenscheid, N. Kuznetsova, M. Spaak, O. Meuric, O. Podlaha, Shell Global Solutions International b.v.; E. Biegert, Shell International Exploration and Production Inc.

IPTC-17574-MS
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A. Tamburini, S. Del Conte, A. Ferretti, S. Cespa, TRE
IPTC-17579-MS
Improvements of Sampling and Pressure Measurements with a New Wireline Formation Tester Module in Carbonate Reservoirs
K. Cig, H.I. Osunluk, Schlumberger Middle East S.A.; R. Naial, T.M. Ihab, ADCO; A.Y. Al Baloushi, ADCO

IPTC-17581-MS
A Joint Shell / ADCO Development of a Shared Earth Model (sem) to Support Further Development of a Giant Field, Onshore UAE
B.D. Meyer, Royal Dutch/Shell Group; R.A. Nieuwenhuijs, Shell Global Solutions International BV; R. Bennett, Shell lobal Solutions International B.V.; J.F. Brint, Shell Exploration & Production Co; A. Vizamora, Sakhalin Energy Investment

IPTC-17582-MS
From Feasibility to Seismic Operations: A Time-Lapse Seismic Pilot Project on Al Khalij Field - Offshore Qatar
Bruno Pagliccia, Fabrice Cantin Total E&P Qatar; Emmanuelle Brechet, Eddy Brosille, Benoit Blanco, Patrick Charron, Total S.A.; Michael Emang, Qatar Petroleum; Michel Radigon, CGG

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M. Laurens, M. Kales, Royal Dutch Shell

IPTC-17584-MS
Statistical Analysis for Partial Inspection of Heat Exchanger Tube Bundles
M.R. Alathba, Qatar Shell GTL; S. Terpstra, A. Ostrowska, F. Hoeve, Shell Global Solutions International; S. Kuniewski, Delft University of Technology; N. Laycock, R. Jones, Qatar Shell GTL

IPTC-17585-MS
Application of Digital Core Analysis (DCA) and Pore Network Modeling(PNM) Based on 3D Micro-CT Images for an EOR Project in a Mature Oil Field in East Malaysia
W. W Mohd Zainudin, Z. Md Zain, PETRONAS Research Sdn Bhd; L. Riepe, PETRONAS Carigali Sdn Bhd

IPTC-17586-MS
Interference Testing of Horizontal Producers and Injectors in the Huntington Field
P.R. Nurafza, EON Exploration & Production; B. Al-shamma, E.ON Exploration & Production; W. Feng, EON Exploration & Production

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Process Safety Management - A Prerequisite for Sustainable Gas Production
K. Den Bakker, Shell

IPTC-17590-MS
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T. Pigeaud, Total EP Qatar; K. Philippe, Total EP France; M.I. Emang, Qatar Petroleum; E. Fetel, TOTAL E&P; K. Budkina, Total EP France
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Methodology and Implications for Natural Fracture Network Modelling in a Carbonate Reservoir of Abu Dhabi
M. Sirat, ADCO Producing Co. Inc.; G. Xi, Q. Ni, A. Mohamad Hussein, X. Zhang, Schlumberger

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New Insights into Hydraulic Fracturing of Shale Formations
A.M. Gomaa, Baker Hughes Ltd; Q. Qu, R. Maharidge, N. Scott, Baker Hughes; T. Reed, Baker Hughes

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K.M. Hafez, P.K. Mukherjee, A. Al-Ghareeb, M. Anandan, W.A. Zahran, Kuwait Oil Company; T. Saleh, Western Geco; C. Cunnell, Western Geco

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Developing Disruptive and Revolutionary New Generation Seismic Technologies for the Middle East
J. Hwang, G. Baeten, W. Walk, Shell Global Solution International

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Iqbal Hussain, Dakhil Al-Enezi, Ali Al-Khaldy, Sulaiman Sulaiman, Sara Hayat, Kuwait Oil Company

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Z. Rahim, A. Al-Kanaan, H. Al-Anazi, Saudi Aramco; W.M. El-mofty, Packers Plus Energy Services Inc

IPTC-17600-MS
Ordovician Source Rocks and Devonian Oil Expulsion on Bolide Impact at Siljan, Sweden - The Re-Os Story
H.J. Stein, J.L. Hannah, G. Yang, AIRIE Program, Colorado State University, USA; M. Nali, R. Galimberti, Eni E&P, San Donato Milanese, Italy

IPTC-17601-MS
Age and Composition of Source Rocks: New Steps toward Tracking Hydrocarbon Origin
J.L. Hannah, H.J. Stein, G. Xu, AIRIE Program, Colorado State University, USA; R. Galimberti, M. Nali, Eni E&P, San Donato Milanese, Italy

IPTC-17602-MS
An Integrated Approach to Carbonate Karstic Reservoir Characterization and its Application to a Field Case in the Tarim Basin
X. Lu, Sinopec; H. Yang, PetroChina; F. Shen, Geo Reservoir Research Inc
IPTC-17603-MS
Live Pressure Control Risk Analysis for Drilling Through Multiple Reservoirs
H.C. Karlsen, T. Nilsen, Statoil ASA

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Predictive Emission Monitoring Systems: Innovation in Measurement Technology
A. Suliono, TOTAL EP QATAR; C. Sadois, Total E&P Qatar; M. Raja, J. Baldwin, Qatargas Operating Company Ltd

IPTC-17607-MS
Crises Management in the Oil and Gas Industry
G.C. Odemene, Walden University

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Core Flood Analysis Of Acid Stimulation In Carbonates: Towards Effective Diversion And Water Production Mitigation
O. Gharbi, Total E&P Qatar; S. Goedeke, Qatar Petroleum; M. Al-Sammaraie, Qatar Petroleum; S. Al-Shahwani, Qatar Petroleum; P. Cheneviere, Total E&P Qatar; N. Al-Mohannadi, Qatar Petroleum; P. Julien, Total E&P Qatar

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Clad through Clad: A Mechanical Water Shut Off Solution for Commingled Production from Multilayered Reservoirs
M. Sobirin, Total E&P Indonesia; S. Bourgoin, Total; A. Mahardhini, TOTAL E&P Indonesie Jl. Yos Sudarso; C.A. Nathanael, Total E&P Indonesia; M. Jones, Meta Downhole

IPTC-17611-MS
Multi-zone Completion Design For Long Horizontal ERD Wells In Al Shaheen Field
A.V. Balsawer, S. Hirani, P. Lumbye, A. Krog, V. Bonnell, Maersk Oil Qatar A/S; M. Rushdan, I. Abul-Hamd, Qatar Petroleum

IPTC-17612-MS
The Role Of Regional Basement Fabric On Cretaceous Structural Deformation; A Case Study From Al Shaheen Field, Offshore Qatar
V. Zampetti, Maersk Oil Qatar; L. Madsen, Maersk Oil & Gas A/S; H. Cromie, Maersk Oil; G.F. Durance, Maersk Oil & Gas A/S; M.I. Emang, N. Bounoua, T. Gagigi, Qatar Petroleum

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Collaboration and Smart Fields - Experience from Global Scale-Up
F.G. Van Den Berg, Shell International E&P Co.; G.A. McCallum, M. Graves, Wipro Technologies

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A Novel Chemical Sand and Fines Control Using Zeta Potential Altering Chemistry and Placement Techniques
P. Singh, Weatherford International Inc.; R.V. Petegem, Sr. Sand Control and Completions Consultant
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Oil Production Optimization in an Integrated Digital Field: The KOC Burgan Pilot Project Experience
A. Al-Jasmi, A. Choudhuri, Kuwait Oil Company; D.A. Joy, Weatherford

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X. Yang, M. Tavakkoli, W. Chapman, A. Babakhani, Rice University

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Technological Evolution In Natural Gas Plant Automation
N. Dey, Qatar Petroleum

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New Structural Evolution Model for the North Kuwait Carbonate Fields and its Implication for Fracture Characterisation and Modelling
P.D. Richard, Shell International; L. Bazalgette, Petroleum Development Oman; V.K. Kidambi, Kuwait Oil Company; K. Laiq, Schlumberger; A. Odreman, B. Al-Qaderi, S.R. Narhari, C. Pattnaik, Kuwait Oil Company; K. Al Ateeqi, Kuwait Oil Company

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Continuous Incremental Reserves in an Oil Rim Marginal Field Development through Integrated Technical Initiatives and Technology Advancements
R. Masoudi, PETRONAS; H. Karkooti, PETRONAS (Kuala Lumpur); K. Chan, PETRONAS; M.-. Othman, M. Altunbay, PETRONAS Carigali Sdn Bhd

IPTC-17622-MS
BlowFlow - Next Generation Software for Calculating Blowout Rates
H.C. Karlsen, Statoil ASA; E.P. Ford, Intl Research Inst of Stavanger

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K. Smart, K. Blakey, Maersk Oil Qatar

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Seismic-Based Stochastic Porosity Prediction in a Giant Field: A Fine-Scale Quantitative Approach in Carbonates
S. Samantaray, R. Moyen, J. Michel, A. Bouziat, CGG; N. Al-Zaabi, A. Abdel Salam, Abu Dhabi Oil Co. Ltd.

IPTC-17625-MS
Advanced Rock Characterization by Dual Energy CT Imaging: A Novel Method in Complex Reservoir Evaluation
H. Al-Owihan, M. Al-wadi, S. Thakur, S. Behbehani, Kuwait Oil Company; N. Al-jebari, Halliburton; M. Dernaika, S. Koronfol., Ingrain
A Tool to Tackle the Challenges of the Treatment of the Back Produced Viscosified Water
O. Rambeau, M. Jacob, M. Rondon, S. Jouenne, P. Cordelier, TOTAL EP

Safe Execution of a World Class EGR Facility in Abu Dhabi - The Elixir Mirfa Project
S. Al Attas, ADNOC; E. Koyuncu, ADNOC-LINDE

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A New Dual Rov Assisted Well Killing System For Deep Water Blowout Recovery: Development And Testing
P. Ferrara, Eni E&P; E. De Marchi, M. Pasquini, Tecnomare

A Review of Alternative Methods to Classify Rock-Types from Capillary Pressure Measurements
B. Lalanne, M. Rebelle, TOTAL E&P

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Small Scale LNG, Breaking Bulk for GCC Exporters to Open New Markets?
C. Widdershoven, Ir Bas van den Beemt, TNO

Integration of Seismic Forward Modelling, Seismic Interpretation and Core and Log Analysis, Shuaiba Build-Up Area, Al Shaheen Field, Block 5 and Block 5 Extension, Offshore Qatar
A. Uldall, N. Rameil, C.M. Cund, Maersk Oil; M.I. Emang, N. Bounoua, Qatar Petroleum

How Mastering Flow Assurance Software Can Help The Industry Take Up The Challenges Of Marginal And Remote Field Developments And Unlock Reserves?
C. Candelier, F. Papot, A. Musi, D. Larrey, TOTAL E&P
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Sr isotope Stratigraphy As A Tool To Refine The Sequence Stratigraphy Of the Barremian - Aptian [early Cretaceous] Carbonate Platform Reservoirs In The Uae

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3D Seismic Characterization of UER Karst, Offshore Qatar
V. Zampetti, S. Mukund, Maersk Oil Qatar; X. Marquez, Maersk Oil Qatar AS; S.S. Bach, Maersk Oil & Gas A/S; M.I. Emang, Qatar Petroleum

IPTC-17639-MS
Multi-Scale Carbonate Reservoir Characterisation and Artificial Neural Networks Reveals Complexity in the Shuaiba Reservoir, Al Shaheen Field
S.J. Finlay, X. Marquez, Maersk Oil Qatar AS; T. Solling, Maersk Oil; N. Bounoua, T. Gagigi, Qatar Petroleum

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An Experimental Investigation of the oil Recovery in the Transition Zone of Carbonate Reservoirs Taking Into Account Wettability Change
F. Nono, Total E&P; H. Bertin, University of Bordeaux; G. Hamon, Total E&P

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New Approach To Hydrocarbon Migration In The Polish Carpathians Based On Outcrops Analyses
G. Lesniak, Oil & Gas Institute Poland; I. Matyasik, Oil & Gas Institute; L. Jankowski, Polish Geological Institute

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Recent Advancements In Vessel Desanding Technology
A.O. Opawale, T.M. Abdalla, FMC Technologies

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The Unit For Productive Formations Vibroseismic Stimulation In Simultaneous Production By Submersible Pumping
T. Zaynullov, Gubkin Russian State University of Oil & Gas

IPTC-17645-MS
Integrated Analysis of Borehole and Surface Seismic Data to Resolve Seismic Uncertainties in the Gulf Of Suez
M.S. El-Hateel, Suez Oil Company; P. Ahmad, Schlumberger; A.H. Ali Ismail, I.A. Henaish, Suez Oil Company; A. Ashraf, Schlumberger

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C. Acar, A. Aljifri, A. Atef, Y. Bekkouche, M. Maalej, I.R. Nwagbogu, S. Vannuffelen, Schlumberger
IPTC-17648-MS
Giga Cell Compositional Simulation
E. Obi, N. Eberle, A. Fil, Total S.A.; H. Cao, Total E&P USA INC

IPTC-17649-MS
Sub Sea Compression at Ormen Lange
R. Rijnbeek, A/S Norske Shell

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Wireline Retrievable Electric Submersible Pump: Innovative and Valuable Completion for Offshore Fields
T. Dieuzeide, A.P. Bemba, Total E&P Congo; D.H. Kusuma, Total S.A.; G. Anderson, Artificial Lift Company

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Soft Torque Impact on Drilling Performance in Qatar
F. Attar, R. Grauwmans, Shell; O. Ikhaajiagbe, Gulf Drilling International

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Mechanical Pipe Cutting in ERD Wells with Pipe Under Compression
R.C. Macfarlane, Welltec Middle East; B. Schwanitz, Welltec AS; M. Aguirre, Baker Hughes; J.D. Greenlee, Welltec

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Step Change In Shallow Water Reflection Seismic By Advances In De-multiple Techniques
H. Roende, Maersk Oil; L. Madsen, Maersk Oil & Gas A/S; C. Huegen, S. Halliday, Maersk Oil; M.I. Emang, Qatar Petroleum

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Improvements In Reservoir Fracture Network Characterization Using High Resolution Logging While Drilling Resistivity Images In Extended Reach Wells Under High Stick Slip Conditions
S.J. Finlay, Maersk Oil Qatar AS; N. Bounoua, Qatar Petroleum; C.L. Fulton, Schlumberger Oilfield Services; F.N. Irani, Schlumberger Asia Services Ltd; S.Y. Chow, J.C. Rasmus, L. Pontarelli, Schlumberger

IPTC-17656-MS
Dilute Surfactant Flooding Studies in a Low-Permeability Oil-Wet Middle East Carbonate
M.V. Bennetzen, Maersk Oil Qatar AS; K. Mogensen, Maersk Oil Research & Technology Centre; S. Frank, Maersk Oil Qatar AS; K.K. Mohanty, University of Texas At Austin

IPTC-17659-MS
Theory and Experimental Setup of the New Rise In Core Reservoir Wettability Measurement Technique
S.G. Ghedan, Computer Modeling Group, Ltd.; H. Canbaz, Schlumberger Petrotechnical Services

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Supporting the National Agenda: Education & Capability Building for the Youth of Today
A. Garg, Royal Dutch Shell; M. Al-Kaabi, Maryam Alkaabi, Qatar Shell
IPTC-17662-MS
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E. Bokhorst van, TNO Technical Sciences; A. Twerda, TNO Science & Industry

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The Present-Day Stress Pattern in The Middle East and Northern Africa and their Importance: The World Stress Map Database Contains The Lowest Wellbore Information in These Petroliferous Areas
M. Rajabi, M. Tingay, Australian School of Petroleum, University of Adelaide; O. Heidbach, GFZ German Research Centre for Geosciences

IPTC-17664-MS
Applications of Geophysics to the Al Shaheen Field, Qatar, for Reservoir Characterisation and Field Development
R. Lorenzen, Maersk Oil; L. Madsen, Maersk Oil & Gas A/S; C. Huegen, T. Ting, J. Henderson, C. Raborn, A. Uldall, Maersk Oil; H. Cromie, Maersk Oil; V. Zampetti, Maersk Oil; M.I. Emang, Qatar Petroleum

IPTC-17665-MS
Re-Fracturing in Old, Mature and Depleted Carbonate Reservoir in Saudi Arabia for Production Enhancement
T. Ogundare, A.R. Malik, A.A. Dashash, W. Khnaifir, A. Al-Yaseen, Saudi Aramco; R. Trejo, Schlumberger; T. Bukovac, Schlumberger Middle East SA

IPTC-17666-MS
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A.Z. Al Utaibi, Saudi Aramco

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Next-Generation Workflow for Multi-level Assisted History Matching: Visualization and Collaboration

IPTC-17668-MS
Installation of Long Interval Conductor String Across Challenging Offshore Drilling Environment
K. Won, Weatherford; K. Muir, C. Chanpen, PTTEP Myanmar; W. Thet, F. Noble, Oil States; I.B. Budi Utama, Weatherford

IPTC-17669-MS
Acid Placement Services Create Large, Connecting Tunnels For Longer-lasting Production Gain In Carbonate Formation
N. Ali, Baker Hughes; L. Loucif, Baker Hughes; O. Ilesanmi, Baker Hughes
IPTC-17670-MS
An Accurate Volumetric Calculation Method for Estimating Original Hydrocarbons in Place for Oil and Gas Shales including adsorbed Gas using High-Resolution Geological Model
J. Bruyelle, D. Guérillot, Terra 3E

IPTC-17672-MS
3D Imaging of Porosity Modifying Phases in Shuaiba Reservoir, Al Shaheen Field
X. Marquez Ceballos, T. Solling, Maersk Oil Research & Technology Centre; S.J. Finlay, Maersk Oil Qatar AS; N. Bounoua, T. Gagigi, Qatar Petroleum

IPTC-17673-MS
3D Imaging Of The Pore Network In The Shuaiba Reservoir, Al Shaheen Field
T. Solling, Maersk Oil; X. Marquez, S.J. Finlay, Maersk Oil Qatar AS; N. Bounoua, T. Gagigi, Qatar Petroleum

IPTC-17674-MS
Combining High-Definition Formation Microelectrical Imaging and Wireline Formation Tester for Improved Reservoir Characterization in High-Resistivity Low-Permeability Carbonate Reservoir
M.S. Osman, W.S. Matter, Schlumberger; J. Gao, Wintershall Holding GmbH; W. Koerfer, Wintershall A.G.; M. E. Zahran El-Demerdash, Qatar Petroleum

IPTC-17675-MS
Improving Gas Relative Permeability in Tight Gas Formations by Using Microemulsions
A. Rostami, Texas A&M University; D. Nguyen, Nalco; H. Nasr El Din, Texas A&M University

IPTC-17676-MS
Study On Mechanism Of Two-phase Flow In Porous Media Using Micro Focused X-ray CT
K. Mikami, Japan Oil, Gas & Metals Natl. Corp.; T. Mukunoki, Graduate School of Science and Technology, Kumamoto University

IPTC-17677-MS
Back-flowing of Injection Wells
W.B. Bowen, Maersk Oil Qatar; R. Benkovic, M.C. Gunningham, Maersk Oil Qatar AS; M.R. Jaafar, M. Ghozali, A. Al-sadah, Qatar Petroleum

IPTC-17678-MS
E-Technology: A Key for Excellence in Training Geosciences
D. Dekeyser, Total E&P; L. Machhour, V. Vedrenne, Total

IPTC-17679-MS
Implementation of Interval Velocity Data in the Analysis of Vertical Fluid Migration Routes and Charging Offshore Qatar
K. J. Andresen, Department of Geoscience Aarhus University Denmark, A. Uldall, M. Hertle, L. Madsen, C. Perrin, N. Rameil, Maersk Oil, G. Durance, Maersk Oil Qatar, H. Tirsgaard, Maersk Oil, M. Emang, T. Gagigi, Qatar Petroleum
IPTC-17680-MS
Automatic High-Throughput Detection of Fluid Inclusions in Thin-Section Images using a Novel Algorithm
M.V. Bennetzen, X. Marquez, Maersk Oil Qatar AS; K. Mogensen, Maersk Oil Research & Technology Centre

IPTC-17681-MS
Insitu Heat Generation for Near Wellbore Asphaltene and Wax Remediation
S. Tiwari, A. Singh, S. Verma, Cairn India Ltd.

IPTC-17682-MS
Design, Implementation And Results Of An Inter-Well Chemical Water Tracers Pilot Test To Improve Water Flood In Complex Reservoirs
A.J. Cuauro, F. Frans, Maersk Oil Qatar AS; D.P. Knowles, Maersk Oil; P.L. Wigley, Maersk Oil Qatar AS; C. De Mas De Mas, Maersk Oil & Gas A/S; K. Jevanord, IFE/Restrack; A. Al-sadah, Qatar Petroleum

IPTC-17683-MS
The Challenges of Extending the Life of UK Offshore Installations
J. Russell, I. Keith, Shell U.K. Limited

IPTC-17684-MS
Managing Risk in a Thermal Oil Sands Development Project Through Appropriate Technical and Well Operating Design
M. Zatka, Shell Canada Energy

IPTC-17685-MS
Predicting Lithology and Porosity of Carbonate Reservoirs Using Geostatistical Stochastic Pre-stack Inversion for Geomodeling Constraint
L.R. Pernia Soto, J.L. Piazza, D. Chenot, C. De Margon, Total SA France

IPTC-17686-MS
Overcoming Hydraulic Fracturing Challenges in High Temperature and Tight Gas Reservoirs of Saudi Arabia with an Enhanced Fracturing Fluid System
A.R. Malik, J.A. Leal Jauregui, A.A. Dashash, Saudi Aramco; S.M. Al-Driweesh, Saudi Aramco (UPDC); J. Soriano, A. Lopez, Halliburton

IPTC-17688-MS
Quantifying the Impact of Natural Fractures and Pore Structure on NMR Measurements in Multiple-Porosity Systems
L. Chi, Z. Heidari, Texas A&M University

IPTC-17693-MS
The Emerging Potential of Re-Os Isotope Geochemistry for Source Rocks and Maturation-Migration Histories
H.J. Stein, J.L. Hannah, AIRIE Program, Colorado State University, Fort Collins, CO, USA
IPTC-17694-MS
Malaysia Deepwater Development: Optimizing Kikeh Reservoir Management and Exploitation in a Changing Environment
R. Masoudi, PETRONAS; H. Karkooti, PETRONAS (Kuala Lumpur); S. Burford, Murphy Oil Corporation; M. Othman, PETRONAS Carigali Sdn Bhd

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Permeability Prediction Using Probabilistic Neural Network (PNN): Application to the Paleozoic Shallow Marine Sandstone of Quwarah Member, Qasim Formation, Saudi Arabia
O.M. Abdullatif, M. Shuaib, King Fahd University of Petroleum & Minerals (KFUPM)

IPTC-17696-MS
Pore-Scale Imaging of Oil and Wettability in Native-State, Mixed-Wet Reservoir Carbonates
Nicole Dodd, Rohini Marathe, Jill Middleton, Andrew Fogden, Australian National University; Anna Carnerup, Mark Knackstedt, Lithicon Pty Limited; Kristian Mogensen, Xiomara Marquez, Søren Frank, Maersk Oil Research and Technology Centre; Noureddine Bounoua, Rashed Noman, Qatar Petroleum

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Myanmar First 4d Experience, Bringing Knowledge And Surprises To The Field
P. Charron, E. Brechet, C.J. Saint-Andre, E. Brosille, Total S.A.; R. Petton, Total E&P Myanmar; P. Gourmel, CGG

IPTC-17698-MS
Advanced HPCT Abrasive Perforating Technique Utilized to Successfully Bypass Damaged Formation to Allow for Effective Acid Stimulation
A.R. Malik, T. Ogundare, M.S. Al-Bu Ali, A.E. Mukhliss, Saudi Aramco; T. Green, M. Haekal, Halliburton

IPTC-17699-MS
Dynamic Hydrocarbon Trapping in Active Hydrodynamic Environments
C. Wibberley, Total E&P

IPTC-17700-MS
Diagnosis of Multiple Fracture Stimulation in Horizontal Wells by Downhole Temperature Measurements
D. Zhu, J. Cui, Texas A&M University

IPTC-17702-MS
Narrowing the Loop for Microporosity Quantification in Carbonate Reservoirs Using Digital Rock Physics and Other Conventional Techniques
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S. Creaney, P.E. Walker, ExxonMobil

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J. Morris, ExxonMobil

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H.M. Abdel-Moati, ExxonMobil; J.M. Morris, Providence Photonics

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S. Sanchez, F. Letendre, M. Cano, P. Solc, C. O’Shea, S.I. Olayemi, Shell
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P.J. McCurdy, Occidental Oil & Gas International

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A Comprehensive Approach to the Design of Advanced Well Completions
F.T. Al-Khelaiwi, Saudi Aramco; D.R. Davies, Heriot-Watt University

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D. Miller, B. Foglesong, ExxonMobil

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K. Qureshey, H. Al-Ajmi, Kuwait Oil Company

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M. Chen, M. Davie, O. Rehkopf, N. Austin, R. Jonk, K. Potma, C. Cheal, Imperial Oil Resources

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L.J. Van Den Broeke, M. Haouari, Qatar University; R. De Kler, TNO

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A.G. Guzman-garcia, ExxonMobil; B. Theuveny, Schlumberger
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M. Gerlero, R. Pinho, D. Barreto, Smith Bits, a Schlumberger Company

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P. Pouget, X. Briz-Quintero, J. Authier, Y. Deffous, Total E&P Qatar; S.F. Gurses, E. Gulamov, Schlumberger; M.R. Jaafar, I. Abdelhamid, A.R. Al-Naimi, Qatar Petroleum Company

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M. Almomen, Saudi Aramco

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M. Gerlero, R. Pinho, D. E. Goetheer, R. Van der Stel, TNO