

KNOWLEDGE SHARING ePOSTER SESSION

Great Hall 1, 3 & 4, Foyer Level

An ePoster is an electronic version of the traditional poster, presented on a large digital flat screen. The electronic format offers the added benefit of animation and video to enhance the visual experience and provide greater interactivity between attendees and authors.

During the ePoster session, authors will present their technical papers at designated ePoster stations. Attendees are encouraged to attend the sessions for more knowledge sharing and networking opportunities. ePosters are also available for attendees' viewing at ePoster stations throughout the conference.

Date	Time
Monday, 9 November 2015	ePoster Session 1 • 1230 - 1400 hours ePoster Session 2 • 1530 - 1600 hours ePoster Session 3 • 1730 - 1830 hours
Tuesday, 10 November 2015	ePoster Session 4 • 1000 - 1030 hours ePoster Session 5 • 1200 - 1400 hours ePoster Session 6 • 1530 - 1600 hours
Wednesday, 11 November 2015	ePoster Session 7 • 1030 - 1100 hours ePoster Session 8 • 1230 - 1400 hours

STATION 1

Monday, 9 November

Time	Papers	
1230	176868	<p>Exporting USA Percussion Tools and Techniques to Australia: Underbalanced Hammer Drilling Significantly Increases ROP on First Attempt Drilling Ultra-Hard/Abrasive Formations C. Rogers, R. Jangani and A. Spedale, Smith Bits, a Schlumberger Co., and M. Howard, W. Farrington, G. Nairn and P. Neale, Santos <i>(Alternate paper)</i></p>
1300	176980	<p>Creep: A Neglected Phenomenon in Coal Permeability Evolution and Coalbed Methane Production N.N. Danesh, Z. Chen, S.M. Aminossadati and M. Kizil, School of Mechanical and Mining Engineering, The U. of Queensland, and Z. Pan and L.D. Connell, CSIRO <i>(Alternate paper in technical session 4)</i></p>
1330	176843	<p>A Coupled Model for Fractured Shale Reservoirs With Characteristics of Continuum Media and Fractal Geometry Y. Wei, D. He, J. Wang and Y. Qi, Research Inst. of Petroleum Exploration and Development (RIPED), PetroChina <i>(Alternate paper)</i></p>
1530	176853	<p>Experimental Study of Controlling Factors of the Continental Shale Matrix Permeability in Ordos Basin H. Qu, F. Zhou and Y. Xue, State Key Laboratory of Petroleum Resources and Prospecting, China U. of Petroleum, Beijing, and Z. Pan, CSIRO <i>(Alternate paper)</i></p>
1730	176956	<p>An Accelerated Immersive Capability Development in Unconventional Shale Resource A. Biron, R.A. Befus and J. Stannard, PETRONAS, and M. Navarette, S. Singh and S. Salahudin, Halliburton</p>

1800	176864	<p>Solving 22" Roller Cone Endurance Issues Drilling Challenging Carbonates in Western Kuwait Sets New World Single Run Footage Record and Reduces Trip Time</p> <p>S. Jumah, M. Al-Mohailan, J. Al Jarki and S. Husain, Kuwait Oil Co., and S. Hassan and O. Ghoneim, Smith Bits, a Schlumberger Co.</p>
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STATION 1

Tuesday, 10 November

Time	Papers	
1000	176940	<p>Study of Pore Structure of Gas Shale With Low-Field NMR: Examples From the Longmaxi Formation, Southern Sichuan Basin, China</p> <p>Y. Chen, L. Zhang and J. Li, Southwest Petroleum U. <i>(Alternate paper in technical session 7)</i></p>
1200	176850	<p>Effect of Mud Filtrate Invasion on Measurement of Formation Pressure and Determination of Gas-Water Contact Depth in Tight Gas Reservoirs</p> <p>N. Bahrami and R. Byfield, Strategy Central; M. Hossain, Curtin U.; and H. Pourabed, Schlumberger <i>(Alternate paper in technical session 6)</i></p>
1230	176825	<p>Estimating Cleat Characteristics in Reservoir Simulation Models of Coal Seam Gas Reservoirs Using Welltest Analysis</p> <p>N. Bahrami and R. Byfield, Strategy Central, and M. Hossain, A. Chitgar and J. Wong, Curtin U.</p>
1300	176841	<p>Effect of Volcanic Intrusions and Mineral Matters on Desorption Characteristics of Coals (Case Study)</p> <p>A. Salmachi, C.C. Wainman, M. Rajabi and P. McCabe, Australian School of Petroleum <i>(Alternate paper in technical session 9)</i></p>
1330	177017	<p>X-Ray Micro-Computed Tomography Imaging for Coal Characterisation</p> <p>H. Lamei Ramandi, R.T. Armstrong and P. Mostaghimi, U. of New South Wales; M. Saadatfar, Australian National U.; and W.V. Pinczewski, U. of New South Wales <i>(Alternate paper in technical session 14)</i></p>
1530	176983	<p>Estimate the Effective Fracture Properties From Tight Formation Production Data</p> <p>W. Tian and X. Wu, U. of Oklahoma; Z. Zhang, Tiptop Energy Production US LLC; and K. Ling, U. of North Dakota</p>

STATION 1

Wednesday, 11 November

Time	Papers	
1030	176878	<p>Numerical Investigations on the Impact of Fracture Characteristics on Elastic Anisotropy in Coal Seam Gas Reservoirs</p> <p>J. Gao, L. Gross and S. Tyson, The U. of Queensland <i>(Alternate paper in technical session 18)</i></p>
1230	176833	<p>Prediction of Fracture Population and Stimulated Reservoir Volume in Shale Gas/Oil Reservoirs</p> <p>Y. Cheng and B. Guo, U. of Louisiana at Lafayette, and N. Wei, Southwest Petroleum U. <i>(Alternate paper in technical session 23)</i></p>
1300	176930	<p>Boosting Performance of Component Assets Used in Unconventional Resource Plays With Nanolaminated Alloy Coatings</p> <p>C. Lomasney, Modumetal Inc.</p>
1330	177020	<p>DFN Model for Flow Simulation in Hydraulically Fractured Wells With Pre-Existing Natural Fractures Using Unstructured Quadrilateral Grids</p> <p>K. Wang, X. Peng and Z. Du, State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation, Southwest Petroleum U., and M. Haghghi and M. Sayyafzadeh, Australia School of Petroleum, U. of Adelaide</p>

STATION 2**Monday, 9 November**

Time	Papers	
1230	176879	Hydrodynamic Modelling of Hydraulic Fracturing Fluid Injection in North Perth Basin Shale Gas Targets S. Palat, M. Torbatynia, K. Kanadikirik and S. Varma, Department of Mines and Petroleum, Western Australia <i>(Alternate paper)</i>
1300	176934	Structural Controls on the River Morphology and Sedimentation Pattern in the South Pine River Basin, North Brisbane B. Bhosle, Weatherford Laboratories Australia Pty. Ltd.; D.K. Bhagat, Independent Geologist; and E. Barcelona, Weatherford Laboratories Australia Pty. Ltd. <i>(Alternate paper)</i>
1330	176973	Effects of Sample Holding Time, Storage and Preservation on Sample Integrity for Source Rock Analysis: Experimental Results B. Bhosle, P. Crozier and K. Flynn, Weatherford Laboratories Australia Pty. Ltd.
1530	176917	Development and Verification of Degradable Sealing Elements for Fully Degradable Frac Plugs S. Takahashi, M. Okura, T. Kobayashi and T. Takahashi, Kureha Corp. <i>(Alternate paper)</i>
1730	176900	Application of a Novel Temporary Blocking Agent in Refracturing S. Xue, Z. Zhang, G. Wu and Y. Wang, ENTI PERC Petrotech Corp., and J. Wu and J. Xu, Tangshan Jidong Oilfield Energy Development Co. Ltd.
1800	176916	Mechanical Interaction of Multiple 3D Fractures Propagation for Network Fracturing Z. Sun, C. Liu, Z. Huang and R. Zhang, Exploration & Production Research Inst., Sinopec

STATION 2**Tuesday, 10 November**

Time	Papers	
1000	176826	CO₂ Near-Miscible Flooding for Tight Oil Exploitation K. Zhang, U. of Calgary; M.E. Gonzalez Perdomo, The U. of Adelaide; B. Kong, K.O. Sebakhy, K. Wu, G. Jing, J. Han and X. Lu, U. of Calgary; A. Hong, U. of Stavanger; and Z. Chen, U. of Calgary <i>(Alternate paper in technical session 7)</i>
1200	176995	Depth Distribution of Gas Rates From Temperature and Pressure Profiles in Unconventional Gas Wells Z. You and P. Bedrikovetsky, U. of Adelaide <i>(Alternate paper in technical session 19)</i>
1230	176873	Proppant Transport Simulation in Hydraulic Fractures and Fracture Productivity Optimisation B. Kong, S. Chen and K. Zhang, U. of Calgary, and M.E. Gonzalez Perdomo, U. of Adelaide <i>(Alternate paper in technical session 2)</i>
1300	176943	Optimal Core Retrieval Time for Minimising Core Decompression Damage T. Hoeink, W. Van Der Zee and S. Arndt, Baker Hughes <i>(Alternate paper in technical session 16)</i>
1330	176898	Optimisation of Horizontal Well Spacing and Transverse Fracture Stages for a Thinly Interbedded Tight Sand Reservoir Onshore Australia A. Younessi and K. Rahman, Baker Hughes <i>(Alternate paper in technical session 11)</i>

1530	176981	<p>Production Simulation of Complex Fracture Networks for Shale Gas Reservoirs Using a Semi-Analytical Model P. Jia, L. Cheng, S. Huang and Y. Xue, China U. of Petroleum, Beijing, and S. Ai, Sinopec Research Inst. of Petroleum Engineering</p>
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STATION 2

Wednesday, 11 November

Time	Papers	
1030	176938	<p>Characterisation of Complex Multiscale Natural Fracture Systems of the Silurian LongMaXi Gas Shale in the Sichuan Basin, China X. Liang, Zhejiang Oilfield Co., PetroChina; X. Liu, Schlumberger; H. Shu, Zhejiang Oilfield Co., PetroChina; C. Xian, Schlumberger; Z. Zhang, Zhejiang Oilfield Co., PetroChina; C. Zhao, Schlumberger; and Q. Li and L. Zhang, Zhejiang Oilfield Co., PetroChina</p>
1230	176959	<p>Hydraulic Fracturing Simulations in Zhahaquan, Qaidam Basin, P.R. China: Can Early Screen-Outs be Avoided With Model Based Design? D. Weng, RIPED-Langfang; S. Falser, Shell China P&T; Y. Ding, Y. Xu, H. Liang and L. Wang, RIPED-Langfang; and H. Lin, Qinghai Oilfield, PetroChina <i>(Alternate paper)</i></p>
1300	176993	<p>Reservoir Characteristics for Unconventional Shale Play of Huai Hin Lat Formation in Northeastern Thailand C. Chumkratoke and S. Dunn-Norman, Missouri U. of Science and Technology</p>

STATION 3

Monday, 9 November

Time	Papers	
1230	176886	<p>A Novel Model of Brittleness Index for Shale Gas Reservoirs: Confining Pressure Effect Y. Hu, U. of Calgary; M.E. Gonzalez Perdomo, U. of Adelaide; and K. Wu, Z. Chen, K. Zhang, D. Ji and H. Zhong, U. of Calgary <i>(Alternate paper in technical session 1)</i></p>
1300	177010	<p>New Models of Brittleness Index for Shale Gas Reservoirs: Weights of Brittle Minerals and Rock Mechanics Parameters Y. Hu, U. of Calgary; M.E. Gonzalez Perdomo, U. of Adelaide; K. Wu, Z. Chen and K. Zhang, U. of Calgary; J. Yi, U. of Queensland; and G. Ren and Y. Yu, U. of Calgary <i>(Alternate paper)</i></p>
1330	176945	<p>100% in the Sweet Section: An Effective Geosteering Approach for Silurian Longmaxi Shale Play in Sichuan Basin X. Liang, PetroChina Zhejiang Oilfield Co.; L. Wang, Schlumberger; J. Zhang, PetroChina Zhejiang Oilfield Co.; C. Xian, Schlumberger; G. Wang, PetroChina Zhejiang Oilfield Co.; and C. Zhao, Schlumberger <i>(Alternate paper in technical session 15)</i></p>
1530	177023	<p>De-Bottlenecking Drilling and Completion Operations for Shale Field Developments M. Mitschanek, M. Prohaska and G. Thonhauser, Montanuniversität Leoben <i>(Alternate paper)</i></p>
1730	176933	<p>Application of UDM-2 Drilling Fluid Technology in the Development of Upper-Deep Oil and Gas Resources in Tarim Basin J. Zhu, PetroChina Tarim Oilfield Co.; L. Li, CNPC Drilling Research Inst.; L. Li and Z. Zhang, PetroChina Tarim Oilfield Co.; R. Cheng and J. Zhang, CNPC Drilling Research Inst.; and X. Liu and J. Li, PetroChina Tarim Oilfield Co.</p>

1800	176859	<p>Selection Criteria and Evaluation Technology for Casing Used in Shale Gas Wells in China</p> <p>J. Wang, CNPC Tubular Goods Research Inst.; X. Rao, CNPC Chuanqing Drilling Engineering Co.; L. Han, CNPC Tubular Goods Research Inst.; Y. Li and L. Zhou, PetroChina Southwest Oil and Gas Field Co.; X. Lu, Tianjin Seamless Steel Tube and Pipe Co., Ltd.</p>
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STATION 3

Tuesday, 10 November

Time	Papers	
1000	176951	<p>Causes of and Responses for Abnormal Fracture Pressure of Ultra-Deep Shale in Southern China</p> <p>Q. Shan, Y. Jin, M. Chen and S. Yang, State Key Laboratory of Petroleum Resources and Prospecting, China U. of Petroleum, Beijing; X. Zhang, Sinopec Research Inst. of Petroleum Engineering; and J. Wu and J. Huang, PetroChina, Jidong Oilfield Co.</p>
1200	176888	<p>SRV Analysis of Shale Gas Wells in China</p> <p>W. Pang and Z. He, Sinopec Research Inst. of Petroleum Engineering; C. Xin, Research Inst. of Yanchang Petroleum Co.; J. Du, Sinopec Research Inst. of Petroleum Engineering; and Z. Sun, Petroleum Exploration and Production Research Inst. of Sinopec</p> <p><i>(Alternate paper in technical session 8)</i></p>
1230	176910	<p>Effect of Well Interference on Shale Gas Well SRV Interpretation</p> <p>W. Pang, Sinopec Research Inst. of Petroleum Engineering; C.A. Ehlig-Economides, U. of Houston; and J. Du, Y. He and T. Zhang, Sinopec Research Inst. of Petroleum Engineering</p>
1300	176848	<p>A Novel Thermal-Resistance and Salt-Tolerance Gel With Low-Concentration Crosslinkers for Water Shutoff in Tahe Oilfield</p> <p>L. Chen, G. Zhang, J. Ge, P. Jiang, X. Zhu, Y. Lin and S. Han, China U. of Petroleum (East China)</p>
1330	176972	<p>Simulation of Time-Varying Properties of Organic-Shale Nanopores During Gas Production</p> <p>J. Wang, China U. of Petroleum, Beijing; H. Luo, The U. of Texas at Austin; H. Liu, China U. of Petroleum, Beijing; Y. Jiao, PetroChina Research Inst. of Petroleum Exploration & Development; C. Wang, PetroChina Great Wall Drilling Co.; K. Sepehrnoori, The U. of Texas at Austin</p> <p><i>(Alternate paper)</i></p>
1530	176865	<p>Reservoir Modelling for Pad Optimisation in the Context of Hydraulic Fracturing</p> <p>P. Pankaj, Schlumberger; S. Geetan and R. MacDonald, EP Energy Corp.; and F. Qiu, M.M. Porcu, J. Xu, R. Malpani and T.L. Pope, Schlumberger</p>

STATION 3

Wednesday, 11 November

Time	Papers	
1030	177001	<p>Mechanism of Liquid-Phase Adsorption and Desorption in Coalbed Methane Systems - A New Insight Into an Old Problem</p> <p>J. Li and X. Li, China U. of Petroleum, Beijing; Y. Li, CNOOC Research Inst., Beijing; J. Shi, China U. of Petroleum, Beijing; K. Wu, U. of Calgary; and F. Dong, Y. Li, J. Yang and Y. Bai, China U. of Petroleum, Beijing</p> <p><i>(Alternate paper in technical session 20)</i></p>
1230	176847	<p>Geochemical Assessment of the Huntly Coalbed Methane (CBM) Field, New Zealand Using a Chloride, Bicarbonate, and Boron Ternary Diagramme</p> <p>H. Abu Bakar and S.J. Zarrouk, The U. of Auckland</p> <p><i>(Alternate paper)</i></p>

1300	176846	<p>The Contributing Factors of Stimulation Design to Incremental and Long-Term Productivity in Bakken Play F. Zhou, Y. Xue, H. Qu and X. Qin, China U. of Petroleum, Beijing</p>
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STATION 4

Monday, 9 November

Time	Papers	
1230	176882	<p>Experimental Research on the Shale Imbibition Characteristics and Its Relationship With Microstructure and Rock Mineralogy L. Yang, H. Ge, Y. Shen, K. Ren, M. Sheng, Z. Gao, X. Qin and S. Su, China U. of Petroleum, Beijing <i>(Alternate paper)</i></p>
1300	176922	<p>Anisotropic Wellbore Stability Model for Transversely Isotropic Formation and Its Application in Drilling Through Shale Formation Y.H. Lu, M. Chen, Y. Jin, G. Chen and B.T. Lin, State Key Laboratory of Petroleum Resources and Prospecting, China U. of Petroleum, Beijing; C. Liang Offshore Engineering Technology Center, CNPC Intl.; and J.X. Ji, Beijing No. 4 High School <i>(Alternate paper)</i></p>
1330	176989	<p>Slip Velocity and Permeability of Gas Flow in Nanopores for Shale Gas Development N. Okamoto, Y. Liang, S. Murata and T. Matsuoka, Kyoto U., and T. Akai and S. Takagi, Japan Oil, Gas and Metals National Corp. (JOGMEC) <i>(Alternate paper in technical session 1)</i></p>
1530	176968	<p>Evaluation of Molecular Diffusion Effect by Using PVT Experimental Data: Impact on Gas Injection to Tight Fractured Gas Condensate/Heavy Oil Reservoirs T. Ohata, M. Nakano and R. Ueda, Japan Petroleum Exploration Co. Ltd.</p>
1730	177004	<p>Modified Hybrid Fracturing in Shale Stimulation: Experiments and Application C. Yin, Y. Li and S. Wang, Downhole Service Co., Chuanqing Drilling Co., CNPC; G. Qin and B. Xu, U. of Houston; and R. Zeng, Southwest Petroleum U.</p>
1800	176997	<p>Simulation of Shale Gas Transport in 3D Complex Nanoscale-Pore Structures Using the Lattice Boltzmann Method Y. Ning, S. He and T. Chen, U. of Houston; Y. Jiang, Sinopec; and G. Qin, U. of Houston</p>

STATION 4

Tuesday, 10 November

Time	Papers	
1000	176861	<p>Technology Feasibility and Production Driver Study in the First Integrated Shale Gas Block in Sichuan Basin X. Liang, Y. Jiao, G. Wang, L. Zhang and Z. Chen, PetroChina Zhejiang Oilfield Co., and X. Zhou, Y. Luo, Y. Wang, S.Y. Han, R. Zhang and C. Wen, Schlumberger <i>(Alternate paper in technical session 8)</i></p>
1200	177018	<p>Production Forecasting for Shale Oil: Workflow M.D. Rincones, W.J. Lee, and J.M. Rutledge, U. of Houston <i>(Alternate paper in technical session 7)</i></p>
1230	176852	<p>Evaluating Ion Effect on Residue Content of Fracturing Fluids D. Singh, U.A. Inyang, P.D. Chopade, and P. Boontheung, Halliburton <i>(Alternate paper in technical session 12)</i></p>

1300	177026	<p>Applicability Comparison of Nuclear Magnetic Resonance and Mercury Injection Capillary Pressure in Characterisation Pore Structure of Tight Oil Reservoirs</p> <p>H. Zhao, Z. Ning and T. Zhao, State Key Laboratory of Petroleum Resources and Prospecting, China U. of Petroleum, Beijing; F. Che, Research Inst. of Exploration & Development, Changqing Oilfield Co., PetroChina; R. Zhang, State Key Laboratory of Petroleum Resources and Prospecting, China U. of Petroleum, Beijing; and T. Hou, MOE Key Laboratory of Petroleum Engineering, China U. of Petroleum, Beijing <i>(Alternate paper)</i></p>
1330	176991	<p>Novel Micro and Nano Particle-Based Drilling Fluids: Pioneering Approach to Overcome the Borehole Instability Problems in Shale Formations</p> <p>J. Zhang, L. Li, S. Wang, J. Wang, H. Yang and Z. Zhao, CNPC Drilling Research Inst., and J. Zhu and Z. Zhang, PetroChina Tarim Oilfield Co. <i>(Alternate paper)</i></p>
1530	176880	<p>Adsorption Behaviour Study of Shale Gas: Models and New Combination Approach</p> <p>J. Li, L. Zhang and Y. Chen, State Key Laboratory of Oil and Gas Reservoir Geology and Exploitation, Southwest Petroleum U.</p>

STATION 4

Wednesday, 11 November

Time	Papers	
1030	176988	<p>Pore Network Investigation in Marcellus Shale Rock Matrix</p> <p>J. Goral and I. Miskovic, The U. of Utah, and J. Gelb and J. Kasahara, Carl Zeiss Microscopy</p>
1230	176837	<p>Rheological Characteristics of CMHPG Crosslinked With New Zirconium and Dual Crosslinkers</p> <p>K. Sokhanvarian and H.A. Nasr-EI-Din, Texas A&M U., and T.L. Harper, Maxflo Oilfield Chemical Solutions</p>
1300	176877	<p>Preparing for the Tight Gas Steeplechase, Talking to Canadians About Deep, Tight Gas Sand (TGS) Developments</p> <p>B. Pearson, Tactical Gas Services Pty. Ltd.</p>