

Conference Preview



SPE/IADC

MEDT

SPE/IADC Middle East Drilling Technology
Conference & Exhibition

24–26 Oct 2011, Muscat, Oman

SPE/IADC Middle East Drilling Technology Conference and Exhibition (MEDT)

24–26 October 2011

Al Bustan Palace Hotel, Muscat, Sultanate of Oman

Major Improvements: What MUST We Do Differently?

Under the Patronage of

H.E. Dr. Mohammed bin Hamad Al Rumhy
Minister of Oil and Gas, Sultanate of Oman

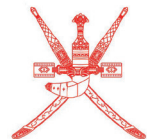
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Conference & Exhibition
24-26 Oct 2011, Muscat, Oman



Committee Welcome Letter



Abdulsattar Al Murshidi
Conference Chairman
Well Engineering Director
Petroleum Development Oman



Mohamed Sarhan Al Sawafi
Programme Co-Chairman
Drilling Services Manager
ADCO



Nasser Al Khanferi
Programme Co-Chairman
Chief Technologist Drilling
Technology, Expec ARC
Saudi Aramco

Dear Industry Colleagues,

You might be aware of the fact that Oman's oilfields are generally smaller, more widely scattered and oil production from these oilfields is more costly per barrel than in other Persian Gulf countries.

Despite this, the oil output of Oman increased to an average 812,500 barrels per day during 2009, a 7.4% hike on 2008 production which is substantial production growth in the sector. In 2010, Oman aimed to increase production in the sector once again hitting a production target of between 860,000 and 900,000 barrels per day.

Although lead time of these contracts meant any discoveries would not contribute to new production for at least three to four years, it also meant that there was enough time to invest in preparing professionals and updating technical expertise capabilities in the country.

On behalf of the Society of Petroleum Engineers (SPE) and the International Association of Drilling Contractors (IADC), we are pleased to invite you to attend the 2011 SPE/IADC Middle East Drilling Technology (MEDT), taking place 24-26 October 2011 at the Al Bustan Palace Hotel, Muscat.

With relevance to this year's conference theme, "Major Improvements: What MUST We Do Differently?", the Programme Committee has selected a technical programme that features international speakers covering drilling and completions topics of great importance, both regionally and globally. Inclusive of over 50 technical presentations, the topics will cover: HSE; advanced bit applications; gas wells; wellbore stability; casing while drilling; management; swellable packers; directional drilling; drilling rigs and equipment; drilling and completion fluids; tubulars and downhole equipment; underbalanced drilling; completions and workover; drilling bits optimisation and design; and well control challenges.

MEDT is the perfect arena to explore new technologies, exchange knowledge and share best practices in drilling during not only the comprehensive technical conference, but the renowned and practical exhibition which will showcase the latest in drilling technology.

We look forward to welcoming you to the event and all it has to offer.

Yours sincerely,

Abdulsattar Al Murshidi
Conference Chairman
Well Engineering Director
Petroleum Development Oman

Mohamed Sarhan Al Sawafi
Programme Co-Chairman
Drilling Services Manager
ADCO

Nasser Al Khanferi
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Saudi Aramco



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Programme Committee and About SPE/IADC

Programme Committee

Conference Chairman

Abdulsattar Al Murshidi, Petroleum Development Oman

Programme Co-Chairman

Mohamed Sarhan Al Sawafi, ADCO

Programme Co-Chairman

Nasser Al Khanferi, Saudi Aramco

Abdulmohsen Al Marzouqi, ADMA-OPCO

Chris Barnes, Halliburton

David McKinnell, Kuwait Oil Company

Dean Hills, Ensign International

Gamal Hassan, Baker Hughes

Ghassan Mohanna, Bahrain Petroleum Company

Jaywant Verma, Schlumberger

Jon Murphy, Noble Drilling

Joseph Bagal, Areva Group

Khalid Al Saati, Al-Khafji Joint Operations

Leongsakol Chinarat, PTTEP

Marwan A. Qadmani, Al-Khafji Joint Operations

Masoud Geshnizjani, Dana Energy

Michael Jellison, NOV Grant Prideco

Mohamed Saleh Efnik, Mubadala Oil & Gas

Norman Edwards, Harub Dental/Medical Centre Qurum

Nouredine Hadj-Moussa, Arabian Drilling Company

Saif Hamhami, Petroleum Development Oman

Sami Halfawi, Weatherford

Sultan Al Ghaithi, Precision Drilling Oman (Weatherford)

Walid Ayoub, Baker Hughes

Yasser Al Barami, Intelligent Drilling Services
and Sino Gulf Energy Enterprises

Youcef Cummings, National Oilwell Varco

About the Society of Petroleum Engineers (SPE)

The Society of Petroleum Engineers (SPE) is a not-for-profit professional association whose members are engaged in energy resources development and production. SPE serves 97,000-plus members from more than 118 countries worldwide. SPE is a key resource for technical knowledge related to the oil and gas exploration and production industry and provides services through its publications, conferences, workshops, forums and member-service programmes.

SPE is the industry-acknowledged information source for books and technical journals composed of member-generated content and peer-reviewed papers. SPE's website provides an immediate, global connection through its vast online library, distance learning courses, membership information, and online communities. SPE has seven offices worldwide located in Calgary, Dallas, Dubai, Houston, Kuala Lumpur, London and Moscow. For more information, visit our website at www.spe.org.

About the International Association of Drilling Contractors (IADC)

IADC is dedicated to enhancing the interests of the oil-and-gas and geothermal drilling and completion industry worldwide. Membership is open to any company involved in oil and gas exploration, drilling or production, well servicing, oilfield manufacturing or other rig-site services. IADC's contract-drilling members own most of the world's land and offshore drilling units and drill the vast majority of the wells that produce the planet's oil and gas. IADC's membership also includes oil-and-gas producers, and manufacturers and suppliers of oilfield equipment and services.

Founded in 1940, IADC's mission is to improve industry health, safety and environmental practices; advance drilling and completion technology; and champion responsible standards, practices, legislation and regulations that provide for safe, efficient and environmentally sound drilling operations worldwide. Through conferences, training seminars, print and electronic publications, and a comprehensive network of technical publications, IADC continually fosters education and communication within the upstream petroleum industry. www.iadc.org

Updates after 18 August will be reflected in the onsite conference programme.



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The Society of Petroleum Engineers and International Association of Drilling Contractors gratefully acknowledge the generous contribution and support of the following companies towards MEDT.

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- Aberdeen Drilling School
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- Baker Hughes
- Cansco Well Control
- Chevron
- DEW Journal
- Drillmec SpA
- EZTEK
- FOS Energy
- Gulf Energy
- Hardbanding Solutions by Postle Industries
- International Association of Drilling Contractors (IADC)
- Interwell
- Kongsberg Oil and Gas
- National Oilwell Varco
- Oman Oil and Gas Review
- Petroleum Development Oman
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For more information about sponsoring or exhibiting at the SPE/IADC Middle East Drilling Technology Conference and Exhibition (MEDT), please contact Sween Rajan at +971.4.457.5800 or by email at srajan@spe.org.

Updates after 18 August will be reflected in the onsite conference programme.

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Schedule of Events

Sunday, 23 October 2011			
1600–1800 hours	Registration and Speaker Check-In		
Monday, 24 October 2011			
0800–1700 hours	Registration and Speaker Check-In		
0900–1000 hours	Opening Ceremony		
1000–1030 hours	Exhibition Opening/Coffee Break		
1000–1830 hours	Exhibition		
1030–1230 hours	Executive Plenary Session: What MUST We Do Differently?		
1230–1400 hours	Luncheon		
1400–1530 hours	Session 1: Health, Safety and Environment	Session 2: Advanced Bit Applications	
1530–1600 hours	Coffee Break/Poster Presentations		
1600–1730 hours	Session 3: Gas Wells	Session 4: Wellbore Stability	
1730–1830 hours	Welcome Reception		
Tuesday, 25 October 2011			
0800–1700 hours	Registration and Speaker Check-In		
0900–1700 hours	Exhibition		
0900–1030 hours	Panel Session: NOC, IOC and Service Industry Collaboration		
1030–1100 hours	Coffee Break/Poster Presentations		
1100–1230 hours	Session 5: Casing While Drilling	Session 6: Management	Session 7: Swellable Packers
1230–1330 hours	Luncheon		
1330–1500 hours	Session 8: Directional Drilling I	Session 9: Drilling Rigs and Equipment	
1500–1530 hours	Coffee Break/Poster Presentations		
1530–1700 hours	Session 10: Drilling and Completion Fluids	Session 11: Tubulars and Downhole Equipment	
Wednesday, 26 October 2011			
0800–1500 hours	Registration and Speaker Check-In		
0900–1700 hours	Exhibition		
0900–1030 hours	Session 12: Underbalanced Drilling	Session 13: Completions and Workover	
1030–1100 hours	Coffee Break/Poster Presentations		
1100–1230 hours	Session 14: Underbalanced Drilling and Managed Pressure Drilling	Session 15: Drilling Bits Optimisation and Design	
1230–1330 hours	Luncheon		
1330–1500 hours	Session 16: Directional Drilling II	Session 17: Well Control Challenges	
1500–1530 hours	Coffee Break/Poster Presentations		
1530–1700 hours	Special Keynote Session		
1700 hours	Lucky Draw and Closing Ceremony		



Register to attend MEDT
 and you could win a **32 GB iPad 2!**

Winners will be announced on
 Wednesday, 26 October during
 the Closing Ceremony.

Updates after 18 August will be reflected in the onsite conference programme.



Technical Programme

Monday, 24 October, 0900–1000 hours
Oman Auditorium
Opening Ceremony

Opening Remarks by:

- **H.E. Dr. Mohammed bin Hamad Al Rumhy**, Minister of Oil and Gas, Oman
- **Abdulsattar Al Murshidi**, Well Engineering Director, Petroleum Development Oman (Conference Chairman)
- **Hosnia Hashim**, Deputy Managing Director (North Kuwait) of Kuwait Oil Company and SPE Regional Director for Middle East, North Africa and India
- **Niels Espeland**, Group Vice President, Weatherford Drilling International; IADC Executive Committee Member

Monday, 24 October, 1030–1230 hours
Oman Auditorium
Executive Plenary Session: What MUST We Do Differently?

Panelists:

- **Amran Al Marhubi**, Technical Director, Petroleum Development Oman
- **Balgacem Chariag**, President EH Operations, Baker Hughes
- **Eamon Gorman**, Group CEO, MB Petroleum Services
- **Ibraheem Assaadan**, General Manager of Drilling and Workover, Saudi Aramco
- **Ramzi Al Heureithi**, President, Middle East and North Africa Region, Weatherford

Monday, 24 October, 1400–1530 hours
Qantab Room
Session 1: Health, Safety and Environment

1400	148502	Well Interventions to Comply with the Upgraded Safety Code in a Maturing Field M.A. Qadmani, Al-Khafji Joint Operations; W. Lin, Schlumberger
1430	148393	Progression of Offshore Drilling Safety Culture through Smart System, PETROPARS Experience in South Pars Gas Field, Phase 12 R. Rahimi, J. Sime, PETROPARS
1500	148443	Behaviour, the Final Frontier. A Proven Approach to Changing Organisational Behaviours R. Cram, University of Lancaster
Alternates/Posters		
	148575	Challenging Well Testing Operations in High Temperature Environments BIV Worldwide Experiences and Best Practices Learnt A. Salguero, E.A. Almanza, J.R. Haddad, Halliburton
	148577	Operational and Safety Aspects of Drill Stem Testing: Getting it Right S.N. Venugopal, Halliburton

Updates after 18 August will be reflected in the onsite conference programme.



Monday, 24 October, 1400–1530 hours

Qurrayat Room

Session 2: Advanced Bit Applications

1400	147958	Two Years of Progress: Field Driven Rollercone Design Iterations Cut Conglomerate Formation Drilling Costs by 40% in Oman I. Al Fahal, I. Riyami, Petroleum Development Oman; A. Al Lawati, Smith Bits, A Schlumberger Company; G.R. Portwood, R. Krishnamurthy, Smith Technologies
1430	147867	Performance Step Change: New 16-In TCI Design Solves Multiple Middle East Carbonate Drilling Challenges W.J. Al Baghli, A.D. Al Khaldy, F. Al Mutawa, V. Saradhi, Kuwait Oil Company; H. Maliekkal, M. Fayed, O. Ghoneim, Smith Bits, A Schlumberger Company
1500	148262	Case Study: Positive Displacement Motor Innovation Drives Increased Performance with PDC Bits A.A. Azizov, A. Rizen, W. Davila, D.E. Scott, Baker Hughes

Alternates/Posters

	147856	Improvements in Cutter Technology Leads to Faster Drilling in Hard/Abrasive Formations, East Texas Basin A. Gonzales, T. Clark, Devon Energy; L. Mueller, J. Yu, J. Zhang, Smith International; C.H. Douglas, K. Shi, Smith Bits, A Schlumberger Company
	148398	New PDC Technologies Increases Durability and Enables Fast Drilling in Hard/Abrasive Formation T.W. Henry, Apache; M.M. Sherif, A.M. Ragheb, Smith Bits, A Schlumberger Company

Monday, 24 October, 1600–1730 hours

Qantab Room

Session 3: Gas Wells

1600	148530	ESP Installation in Very High Gas Environment (GOR 500 M3/M3), Using Multi-Vane Pump and Tail-Pipe, Burhan Field North Oman 2007 J. Jedda, A. Maimani, S.H. Al Wardi, S.S. Al Hajri, Petroleum Development Oman; I. Akhmetov, Baker Hughes
1630	148583	Lessons Learnt in the Completion of High Pressure and High Volume Gas Wells in Saudi Arabia T. Friedrich, Halliburton; J.S. Garcia, Saudi Aramco
1700	148570	Application of Laser Technology for Oil and Gas Wells Perforation M. Bakht Bidar, M. Ghorbankhani, M. Kazemi Esfeh, M. Alimohammadi, P. Rezaei, Islamic Azad University

Alternates/Posters

	148580	Potential Application of Inflow Control Devices in Minimising Annular Velocity in Gas Wells with Stand-Alone Screen Completion R.E. Regulacion, N. Shahreyar, Halliburton
	148112	Challenges in Selection and Design the Beam Pumped Well Completions M. Ghareeb, Lufkin Industries; G.M. Hamada, British University, Egypt

Updates after 18 August will be reflected in the onsite conference programme.



Monday, 24 October, 1600–1730 hours

Qurayat Room

Session 4: Wellbore Stability

1600	148639	An Integrated Fluids Approach to Enhance Zonal Isolation in Deep Khuff Gas Producers and Injectors Offshore Abu Dhabi M.A. Mehtar, ADMA-OPCO
1630	148049	Using an Integrated Geomechanical Study to Resolve Expensive Wellbore Stability Problems while Drilling through the Zubair Shale/Sand Sequence of Kuwait: A Case Study S.V. Perumalla, Baker Hughes; S.A. Azim, P. Mukherjee, S.A. Al Anezi, B. Al Otaibi, B. Al Saad, Kuwait Oil Company; E.M. Araujo, Statoil; J.F. Babbington, Saudi Aramco
1700	148527	Novel Technique to Determine Cement Contamination Y.E. Fakhreldin, H. Sharji, S. Aghbari, Petroleum Development Oman
Alternates/Posters		
	148506	Novel Wellbore Strengthening Enables Drilling of Exploration Well in a Highly Depleted Formation F. Otutu, O.A. Olaitan, E. Ogbunamiri, Shell; A.C. Onyeka, M-I Nigeria Limited

Tuesday, 25 October, 0900–1030 hours

Qantab Room

Panel Session: NOC, IOC and Service Industry Collaboration

Operators usually tend to address their challenges/problem statements in isolation from the contractors community. If the contractors are involved, often they are not engaged in the initial stages, instead they are exposed to the problem statements in the end phases, i.e. implementation phase, which narrows the value of their contribution.

Contractors and service providers are often more experienced in certain technologies, as they might have been exposed to similar challenges in different regions in the world. They often tend to be more focused on one technology and master it.

At the moment, there are no existing structured forums to engage and align service providers with the operators' challenges. A process by which operators' challenges are shared with the contractor community in a wider context needs to be addressed. This process would benefit the operators in problem solving and facilitate long term technology maturation. On the other hand, the service provider and contractor community will get the benefit of aligning their resources in the most demanded areas as dictated by the operators' challenges. Many problems to date remain unsolved; examples include tubular corrosion, associated water production and the implementation of intelligent/remote systems for safer and more efficient operations. These could potentially benefit from the umbrella of the shared operator-contractor collaboration.

However, this collaboration should not neglect the involvement of local universities and institutes. What is the best process available worldwide to engage and best utilise these institutes for both parties' benefits?

Can this be adapted in our business? Such collaboration will make solid and consistent step changes thus building towards major improvements in all aspects of our industry.

Panelists:

- **Hans-Christian Freitag**, VP Marketing Middle East, Baker Hughes
- **Humaid Al Balushi**, Drilling Manager, MEDCO
- **Mohsin Alhadhrami**, Marketing Manager Oman, Schlumberger
- **Riyadh Moosa**, New Technology Manager, Petroleum Development Oman

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Tuesday, 25 October, 1100–1230 hours

Qantab Room

Session 5: Casing While Drilling

1100	148475	Drilling Efficiency Optimisation (DEO) in Casing while Drilling (CwD) Operations in the Sultanate of Oman F.J. Sanchez, Petroleum Development Oman
1130	148607	Liner Drilling with a Multi-Set Liner Hanger M. Moffitt, Tesco
1200	148433	Feasibility Study of Casing Drilling Application in HPHT Environments: A Review of Challenges, Benefits and Limitations A.M. Radwan, Cairo University; M. Karimi, Tesco
Alternates/Posters		
	148564	A Review of Casing Drilling Advantages to Reduce Lost Circulation, Augment Wellbore Strengthening, Improve Wellbore Stability and Mitigate Drilling-Induced Formation Damage M. Karimi, S.W. Petrie, E. Moellendick, Tesco

Tuesday, 25 October, 1100–1230 hours

Qurrayat Room

Session 6: Management

1100	148432	Development of a Global Drilling Performance Database C. Hanley, J. Kubicki, M. Lumpkin, L. Tompkins, National Oilwell Varco
1130	148501	Artificial Lift Database N.R. Al Ajmi, Petroleum Development Oman

Tuesday, 25 October, 1100–1230 hours

Pearl Room

Session 7: Swellable Packers

1100	130062	Case History: New Swellable Elastomer Packer Design Improves Operations in 10,000 PSI Differential Pressures in the Valhall Field in Norway T. Koloy, K. Andersen, Halliburton; J. Nijhof, BP
1130	142523	First Multi-Stage Swell Packers Open Hole Completion in Rub-Al-Khali Empty Desert: A Case Study J. Ekpe, A. Kompantsev, M.A. Emad, A. Ashoor, Lukoil Saudi Arabia Energy
1200	148488	Use of Swellable Packer Technology and Port Collars Offers a Low-Cost Solution to Multi-Zone Well Testing J.F. Johnstone, TAM International
Alternates/Posters		
	148533	Full Scale Testing of Fast Swell Packer for Shallow Aquifer Applications T. Pervez, O.S. Al Abri, Z.S. Qamar, Sultan Qaboos University; M. Van de Velden, J. Van Eijden, Shell; S.A. Al Houqani, Petroleum Development Oman
	148584	Effects of Rapid Gas Decompression on Swellable Rubber and Common Oilfield Rubber Compounds D.A. Young, M.S. Al Madlough, P.E. Smith, Halliburton

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Tuesday, 25 October, 1330–1500 hours

Qantab Room

Session 8: Directional Drilling I

1330	144901	New Locking Clutch Turbine Technology Successfully Frees Stuck Bit/BHA in Deep Gas Wells, Oman O. Kapoh, M.W. Van De Velden, M. Al Hajje, Petroleum Development Oman; J.M. Hanna, Schlumberger; P. Cook, M.F. Van Den Bos, M. Al Salti, S. Arnott, Smith International
1400	148904	New Tools and Procedures Increase Reliability of Openhole Side-Track Operations C.H. Dewey, S.N. Swadi, J.M. Campbell, Smith International
1430	148445	Understanding and Eliminating Drillstring Twist-Offs by the Collection of High Frequency Dynamics Data from Multiple Measurement Points through the BHA C. Raap, A.D. Craig, D. Perez, NOV Grant Prideco
Alternates/Posters		
	148566	Stacked Horizontal Drilling in Challenging Conditions M. Nasrumminallah, F. Baig, R. Akhmetov, I. Nadjeh, N. Hariri, M. Bugni, Schlumberger
	145400	Achieving Brazilian Extended Reach Drilling Records on Polvo Project with Ultra-High Torque Connection N. Biddle, Devon Energy; V.P. Flores, L.P. Osorio, V&M do Brasil; H. Arevalo, M. Velho, VAM Drilling; F. Carrois, Vallourec and Mannesmann
	148051	Integrating Petrophysics, Geomodelling and Advanced Well Placement Technology for Efficient Field Development J.E. Barbosa, Schlumberger; A. Ali, Heriot-Watt University; C. Hern, L. Net, Repsol YPF

Tuesday, 25 October, 1330–1500 hours

Qurrayat Room

Session 9: Drilling Rigs and Equipment

1330	148068	Rapid Rig Design: A Cost Effective Innovative Design for Field Development B.G. Meempat, P.A. Peytchev, A. Crighton, A. Upadhyay, S. Doodraj, S.D. Malik, A. Abraham, Cairn Energy India
1400	148027	Automated Drilling Rigs in Middle East Cut Well Times by up to 60% D.L. Hills, R. Pettapiece, Ensign Energy Services
1430	148483	Asset Integrity Reporting: Simplicity is the Essence A. Pushkarna, National Drilling Company
Alternates/Posters		
	148166	An Energy-Based Comparison of Alternative Drilling Methods B. Elahifar, A. Esmaeili, G. Thonhauser, M. Prohaska, University of Leoben; A. Lamik, Advanced Drilling Solutions
	148705	Sadad Drilling Campaign Improvement with New Rig Start-Up K.A. Adebisi, H.N. Mokti, W.A. Wahba, A. Kumar, R. Bairagi, M. Al Ruqaishi, Petroleum Development Oman

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Tuesday, 25 October, 1530–1700 hours

Qantab Room

Session 10: Drilling and Completion Fluids

1530	148524	Novel Quantitative Method for Estimating Breaker Filter Cake Cleaning Efficiency Y.E. Fakhreldin, S. Rashdi, M.S. Mandhari, Petroleum Development Oman
1600	145562	Life without Barite: Ten Years of Drilling Deep HPHT Gas Wells with Cesium Formate Brine J.D. Downs, Cabot Specialty Fluids
1630	147788	Formation Damage Concern from Water-Base Mud Filtrate in Deep Gas Wells: A Case Study J. Ekpe, A. Kompantsev, A. Khakimov, M.A. Emad, A. Ashoor, A. Madkour A. Al Ali, F.A. Al Khalifah, Lukoil Saudi Arabia Energy

Alternates/Posters

	147983	Utilisation of Non-Damaging Drilling Fluid Composed of Potassium Formate Brine and Manganese Tetra Oxide to Drill Sandstone Formation in Tight Gas Reservoir R. Ezell, M.M. Mohsen, M.E. Elbialy, Halliburton; J. Ekpe, M.E. Abdulaziz, Lukoil Saudi Arabia Energy
	148124	Characterising the Properties of the Self-Destructing Filter Cake by Using Computer Topography S. Elkatatny, A. Rostami, H.A. Nasr-El-Din, Texas A&M University
	145840	Mitigating Loss Circulation and Differential Sticking Problems Using Silicon Nanoparticles S.M. Javeri, University of Pune

Tuesday, 25 October, 1530–1700 hours

Qurrayat Room

Session 11: Tubulars and Downhole Equipment

1530	144360	Advancements in Drillstring Dynamics Modelling Deliver Performance H.A. Juwaiher, Saudi Aramco; X. Wu, U.T. Partin, Schlumberger; N. Feroze, Smith Bits–A Schlumberger Company; V. Karuppiah, Smith International
1600	145787	Technical Innovations and Important Guidelines for Demanding Drilling Applications M.J. Jellison, R.B. Chandler, NOV Grant Prideco; L.W. Sanclemente, Workstrings
1630	148058	New Robust High Torque Casing Connection Reduces Risk and Cost G. Sam, M. Piber, RAG; M.G. Szlachta, AGH University of Science and Technology; M. Schaffer, P. Winkler, Voestalpine

Alternates/Posters

	148459	New Expandable Centralisers Mitigate Formation Challenges for Solid Expandable Liners in Al-Khafji Offshore Field M.A. Qadmani, K. Kumamoto, Al-Khafji Joint Operations; A.S. Al Somali, M.A. Saad, M.W. Harvey, Weatherford
	148516	Post-Expansion Characterisation of Expandable Tubular: Progress and Challenges T. Pervez, Z.S. Qamar, F.K. Al Jahwari, Sultan Qaboos University; F.J. Sanchez, B. Al Abri, Petroleum Development of Oman; R. Khan, NED University of Engineering and Technology

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Wednesday, 26 October, 0900–1030 hours

Qantab Room

Session 12: Underbalanced Drilling

0900	148070	Underbalanced Drilling in Tight Gas Exploration Wells J.D. Morales, Weatherford; A.M. El Morsy, B.H. Al Abri, Petroleum Development Oman
0930	148480	ADCO Experience: A Case Study in Underbalanced Drilling A.M. Bashir, ADCO; L. Arseneault, Blade Energy Partners
1000	148528	Underbalanced Drilling Technology for Unconventional Gas Reservoirs A.L. Khlaifat, H.H. Qutob, Weatherford
Alternates/Posters		
	148543	Applying a New Systematic and Dynamic UBD Procedures Prevented Formation Damage, Wellbore Collapse and Improved Oil Production H.H. Qutob, Weatherford; K. Kartobi, A. Berkat, Sonatrach
	146386	Geomechanical Study for UBD Feasibility in the Northern Iraq Fields H.A. Legarre, Addax Petroleum Services; B. Sallier, Geneva Petroleum Consultants International; H. Soroush, H.J. Gao, M.W. Van Galen, H.H. Qutob, Z.A. Mahli, Weatherford; B. Neil, Advanced Geotechnology
	148521	Horizontal Underbalanced Drilling Technology Successfully Applied in Field AA, Libya: A Case Study M.B. Ben Shatwan, Arabian Gulf Oil Company; H.H. Qutob, P. Vieira, Weatherford
	148438	Study on Pressure Measuring and Formation Evaluation Methods while Underbalanced Drilling G. Li, Y. Meng, Y. Chen, Southwest Petroleum University; K. Zhu, X. Xv, PetroChina Company

Wednesday, 26 October, 0900–1030 hours

Qurrayat Room

Session 13: Completions and Workover

0900	148474	Successful Auto Gaslift Technology Implementation in Petroleum Development Oman C. Peringod, S.M. Al Ruheili, Z. Kerecin, Petroleum Development Oman; K. Sonti, Shell; T. Sukkestad, Halliburton
0930	148552	Water Shut-Off in Oil Wells: Reduce Water and Accelerate Oil Production B. Kumar, Rajiv Gandhi Institute of Petroleum Technology
1000	143981	Success Story: Squeeze Cemented 11 Interval Perforations in One Shoot! K. Winarga, R. Gholib, K.G. Aditya, E. Erwin, EMP Malacca Strait; C.W. Dewanto, Kondur Petroleum
Alternates/Posters		
	148509	Achieving Excellence in Well Completion Projects in Iraq's South Oilfields S.E. El Halfawi, H. Qutob, L.K. Al Hashmy, Weatherford
	148541	Buoyancy Technology Used Effectively in Casing Running Operations to Extend Lateral Step-Out: Two Case Histories Detail Application Risks and Successes H.E. Rogers, E.D. Webb, Halliburton
	144345	Well Test Analysis of Multiple Hydraulically Fractured Horizontal Wells (MHFW) in Gas Condensate Reservoirs M. Mavaddat, University of Tehran

Updates after 18 August will be reflected in the onsite conference programme.



Wednesday, 26 October, 1100–1230 hours

Qantab Room

Session 14: Underbalanced Drilling and Managed Pressure Drilling

1100	148155	First Successful Implementation of MPD Technology in PDO (Oman) to Mitigate Drilling Hazards S.S. Al Hamhami, H. Al Habsi, M. Al Farsi, B. Al Abri, Petroleum Development Oman; D. Morales, M. Arnone, C. Pena, Weatherford
1130	148515	Drilling Hazard Mitigation Technologies Enables Drilling a Conventionally Undrillable Prospect M.A. Saad, P. Vieira, Weatherford
1200	113680	Combined Underbalanced/Coiled-Tubing Drilling Technologies Have Improved Oil Recovery and Activated Abandoned Wells in Hassi Messaoud Field, Algeria H.H. Qutob, Weatherford
Alternates/Posters		
	148534	Managed Pressure Drilling Applications Proves Successful in the Middle East and North Africa Region H.H. Qutob, F. Torres, P. Vieira, Weatherford
	148523	Enhancing Ultimate Recovery and Adding Reserves by Underbalanced Drilling Technology Z.A. Mahli, H.H. Qutob, Weatherford

Wednesday, 26 October, 1100–1230 hours

Qurrayat Room

Session 15: Drilling Bits Optimisation and Design

1100	148313	Saudi Aramco: Bit Performance Analyser 2011 M.A. Hazzazi, W.B. Contreras, R.S. Al Ghamdi, M.M. Hubail, Saudi Aramco
1130	148312	Development and Optimisation of PDC Bits for Rotary Steerable Systems through Unstable Formations O.E. Portillo, Shell; S. Bahlany, Petroleum Development Oman; G. Agudelo, O.A. Alvarez, A. Al Marzooqi, Halliburton
1200	148558	Impregnated Bits Design and Optimisation: An Iterative Method for Improving Drilling Performances. A Case Study: Hassi Messaoud Cambrian Reservoir in Algeria O. Dhina, S. Ziani, Sonatrach; D. Zerari, Y.B. Benalouane, S. Mokrani, NOV Grant Prideco
Alternates/Posters		
	148063	A Holistic Approach to Drilling Parameters and Drill Bit Design Optimisation and Increases ROP by 40%, Hassi Messaoud Oilfield, Algeria L.B. Benyoucef, R.A. Ait Saadi, Y.B. Benalouane, NOV Grant Prideco; O. Dhina, L.B. Sekat, Sonatrach
	148472	To Improve Bi-Center Bit Performance by Optimising the Cutting Structure of the Reamer Part of the Bit and Compromising the Reduced Openhole Size H. Hendrazid, R. Silva, NOV Grant Prideco

Updates after 18 August will be reflected in the onsite conference programme.



Wednesday, 26 October, 1330–1500 hours

Qantab Room

Session 16: Directional Drilling II

1330	148034	Planning and Execution of the Longest Horizontal Well in ADCO K. Al Hadidy, ADCO.; J.S. Gomes, The Petroleum Institute Abu Dhabi; P. Jarua, K&M Technology Group; T. Achrafi, R. James, Baker Hughes
1400	146576	Can You Protect Your Motor without Sacrificing Performance? B.C. Guidroz, NOV Grant Prideco
1430	148600	Application of Slimhole MR-LWD for Sourceless Formation Evaluation and Wellbore Placement in Extended Reach Drilling A.O. Sanusi, H.F. Thern, R.M. Bacon, S.A. Mohammed, Baker Hughes

Alternates/Posters

	146432	Anti-Sticking Device for Turbodrill Assembly B. Boussi, A.M. Downie, P.M. Vitale, Turbopower Drilling
	147941	First Dual Target Horizontal Appraisal Geosteering in Thin Siliciclastic Reservoir of Mauddud Formation, Sabriyah Oilfield, North Kuwait H. Ibrahim, A. Al-Awadi, Kuwait Oil Company; V. Chimirala, O. Oyeyemi, Schlumberger
	148462	Drilling Optimisation Using New Directional Drilling Technology M. Eltayeb, M. Nasrumminallah, M. Bugni, J.E. Edwards, M. Frigui, I. Nadjeh, M.R. Heydari, H. Al Habsy, Schlumberger

Wednesday, 26 October, 1330–1500 hours

Qantab Room

Session 17: Well Control Challenges

1330	148706	Well Control Challenges in South of Oman Brownfields due to Water Injection M.S. Al Shukri, M. Al Ruqaishi, Petroleum Development Oman
1400	148341	Control of Severe Loss and Kick Situations: A Case History of West Kuwait Wells DF-15 and MN-159 A.A. Shehab, A.M. Al Saleh, M.D. Al Khaldy, Kuwait Oil Company; P.K. Altekar, D.A. Al Mulla, National Petroleum Services Company
1430	148514	A Different Approach in Handling Well Control Kick Circulation, which May Have Significant Advantages Over Existing Method C. Kai, F. Akgun, The Petroleum Institute Abu Dhabi

Alternates/Posters

	148481	Innovative Lost Circulation Squeeze-Managing Drilling Successfully: Case Histories of Practical Solutions K.M. Suyan, A. Hansda, V. Sharma, S. Dutta, ONGC
	144607	A New Well Control Model to Optimise Drilling Performance N.I. Ugbugu, M. Nagib, University of Salford
	148592	Blowout Control Operations in One of the Iranian Wells K. Shahbazi, Petroleum University of Tech Iran; H. Bahmani, M. Makvandi, National Iranian Drilling Company

Updates after 18 August will be reflected in the onsite conference programme.



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144508	The Great Achievement in Well Control of One of the Iranian Wells K. Shahbazi, Petroleum University of Tech Iran; M. Makvandi, H. Bahmani, National Iranian Drilling Company
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Wednesday, 26 October, 1530–1700 hours
Qantab Room
Special Keynote Session

Learning from Other Industries

Speaker: **Musadik Malik**, CEO, Boston Innovation Partners

Various industrial sectors adapt different types of approaches and processes for problem solving and technology implementation in order to address their challenges. Some succeed and others do not; even for those who have succeeded, the technology implementation process in most cases was slow and inefficient, therefore it took a long time for the technology to reach maturation.

The learnings from one industrial sector are not well transferred or communicated to other sectors; resulting in other sectors repeating the same inefficiencies in their processes. The drilling sector has long been known for its slowness to changes and new technologies. This is evident in the conventional rig designs still used to date; the conventional drilling fluids and the manual rig systems as opposed to the more modern and sophisticated automated systems.

This session is intended to identify and address a process or approach to minimise the gaps for cross-sector technology transfer and the key success factors for technology implementation. The ensuing process could be the 'step change' that will make our operations more efficient and will prevent us from climbing the same learning curves repeatedly.

Special Report: Post-Macondo Regulatory Trends

Speaker: **Raphael Vermeir**, CBE, Chairman, International Association of Oil and Gas Producers (OGP); Vice President External Affairs Europe, ConocoPhillips

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General Information

Cancellation Policy

Cancellations must be submitted in writing to SPE Middle East, North Africa and India, by fax to +971.4.457.3164 or email to aprathap@spe.org. Cancellations received prior to 31 August 2011 will receive a full refund less USD 100 processing fee. Cancellations received after 31 August 2011 and no-shows are not eligible for a refund.

Conference Proceedings

A copy of the Conference Proceedings on CD-ROM is included in the full conference registration fee. One-day attendees can purchase CD Proceedings for USD 200 for SPE members and USD 300 for nonmembers. Additional copies may be ordered using the registration form.

Copyright Information

All sessions are protected by US copyright laws. Photography and video/audio recording of any kind are strictly prohibited in the sessions and throughout the exhibition area except for authorised press.

Exhibition

The exhibition will take place at the Al Bustan Palace Hotel, Muscat, Oman and will be open at the following times:

- Monday, 24 October 2011..... 1000–1830 hours
- Tuesday, 25 October 2011..... 0900–1700 hours
- Wednesday, 26 October 2011..... 0900–1700 hours

A one-day exhibition visitor pass can be purchased for USD 20 and a three-day exhibition visitor pass can be purchased for USD 50.

If you would like to book an exhibition stand, please contact Sween Rajan, sponsorship and exhibits specialist, on +971.4.457.5800 or at srajan@spe.org.

Luncheons

Luncheons will be served on Monday, 24 October, Tuesday, 25 October and Wednesday, 26 October. Luncheon tickets are included in the full conference registration fee.

The one-day conference registration fee includes a luncheon ticket for that day. Should you wish to purchase additional luncheon tickets for USD 70 each, please indicate for which day(s) on the registration form.

Registration

Online registration is available at www.spe.org/events/medt. Alternatively, you may fax the completed registration form to +971.4.457.3164, or send a scanned copy of it by email to formsdubai@spe.org. Onsite registration and delegate badge collection will take place at the Al Bustan Palace Hotel, Muscat, Oman at the following times:

- Sunday, 23 October 2011.....1600–1800 hours
- Monday, 24 October 2011.....0800–1700 hours
- Tuesday, 25 October 2011.....0800–1700 hours
- Wednesday, 26 October 2011.....0800–1500 hours

Students

Registration for students is complimentary, and includes admission to all technical sessions, exhibition and coffee breaks. Students are required to fax/e-mail a copy of their current student ID along with the registration form. Student registration does not include CD Proceedings or Luncheons.

Visa Information

SPE Middle East, North Africa and India will assist in providing a visa invitation letter, upon request in writing, to confirmed registrants after receiving full payment of registration fees. Visa invitation letters take five days to issue from the date of request and it is the delegate's responsibility to obtain their own visa. SPE cannot issue the visa nor can we guarantee it will be obtained.

Welcome Reception

The MEDT Welcome Reception is scheduled to take place at 1800 hours on Monday, 24 October 2011. A Welcome Reception ticket is included in the full conference registration fee. Should you wish to purchase additional tickets for USD 30 each, please fill in the registration form.



Don't miss out on attending the Regional SPE Honours and Awards Ceremony and Dinner taking place 9 October 2011 in Abu Dhabi, UAE. For more information, visit www.spe.org/middleeast/awards.

Updates after 18 August will be reflected in the onsite conference programme.

www.spe.org/events/medt



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About Oman

The Sultanate of Oman is a country in Southwest Asia, on the southeast coast of the Arabian Peninsula. It borders the United Arab Emirates in the northwest, Saudi Arabia in the west and Yemen in the southwest. The coast is formed by the Arabian Sea in the south and east, and the Gulf of Oman in the northeast. The country also contains Madha, an enclave enclosed by the United Arab Emirates, and Musandam, an exclave also separated by Emirati territory.

Oman is divided into four governorates (muhafazah) and five regions (mintaqat). These regions are subdivided into provinces (wilayat).

Climate

Summer begins in mid-April and lasts until October. The highest temperatures are registered in the interior, where readings of more than 50°C in the shade are common. On the Al Batinah plain, summer temperatures seldom exceed 46°C, but, because of the low elevation, the humidity may be as high as 90 percent. The mean summer temperature in Muscat is 33°C, but the gharbi (literally, western), a strong wind that blows from the Rub al Khali, can raise temperatures from the towns on the Gulf of Oman by 6°C to 10°C. Winter temperatures are mild and pleasant, ranging between 15°C and 23°C.

Currency

The Omani Rial (OMR) is the official currency of the sultanate. The exchange rate is approximately:

1.00 OMR=2.59710 USD

1.00 OMR=2.02064 EUR

Emergency Phone Numbers in Oman

Police: 999

Language

While Arabic is Oman's official language, English is widely spoken, especially for business purposes. Other languages include Swahili and Hindi.

Suggested Wardrobe

Lightweight summer clothing is ideal with a wrap, sweater or jacket for air conditioned premises. Women are usually advised to dress modestly.

Visas

Visa requirements for travel to Oman differ from country to country. Contact the Omani Embassy in your country of residence for more information.

Voltage

Voltage is 220 volts AC, 50 cycles



SPE EOR Conference
16–18 April 2012
Golden Tulip Hotel, Muscat, Oman

Call for Papers

The SPE EOR Conference is Calling for Papers!

This is your chance to get recognised and share your technical expertise on enhanced oil recovery (EOR) by submitting a paper proposal for consideration by the programme committee.

For a list of technical categories and to submit your proposal, please visit www.spe.org/events/ogwa.

Submission Deadline: 5 October 2011



PDO's ongoing efforts are aimed at building a sustainable future for the People of Oman.



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DELEGATE INFORMATION

Registrant's Last Name (Family Name)	Registrant's First Name (Forename) (Name as you want it to appear on badge)
Company Name	SPE Member Yes <input type="checkbox"/> No <input type="checkbox"/> IADC Member Yes <input type="checkbox"/> No <input type="checkbox"/> Member Number
Job Title	City
Street Address or P.O. Box	<input type="checkbox"/> Check here if you DO NOT wish to receive updates via mail
Country	State/Province
Office Telephone (include country/area/city code)	Zip/Postal Code
Email	Facsimile (include country/area/city code)

REGISTRATION COSTS

Full Registration: Three-Day Registration	BEFORE 31 JULY 2011	AFTER 31 JULY AND ONSITE	COST IN USD
SPE Member/IADC Member	USD 745 <input type="checkbox"/>	USD 845 <input type="checkbox"/>	
Nonmember	USD 895 <input type="checkbox"/>	USD 995 <input type="checkbox"/>	
Author/Presenter/Committee/Session Chair/Panelist (Please select)	USD 495 <input type="checkbox"/>	USD 595 <input type="checkbox"/>	
Visitor (Exhibition Only)–3 days	USD 50 <input type="checkbox"/>	USD 50 <input type="checkbox"/>	
Student (valid ID required)	Complimentary	Complimentary	

Full conference registrations include all conference sessions and technical exhibition, CD proceedings, coffee breaks for all three days, daily luncheon tickets, one welcome reception ticket and one delegate bag. Student registrations (for students with valid IDs only) include all conference sessions, technical exhibition and coffee breaks.

One-Day Registration (please select)	BEFORE 31 JULY 2011	AFTER 31 JULY AND ONSITE	COST IN USD
<input type="checkbox"/> Monday, 24 October <input type="checkbox"/> Tuesday, 25 October <input type="checkbox"/> Wednesday, 26 October	SPE/IADC Member	USD 450 <input type="checkbox"/>	USD 550 <input type="checkbox"/>
	Nonmember	USD 550 <input type="checkbox"/>	USD 650 <input type="checkbox"/>
	Visitor (Exhibition Only)–1 day	USD 20 <input type="checkbox"/>	USD 20 <input type="checkbox"/>

IMPORTANT: All fees paid to SPE are net of taxes. The registration fees in this form do not include any local or withholding taxes. All such taxes will be added to the above-mentioned registration fees in the invoice.

One-day conference registrations include all conference sessions, technical exhibition, coffee breaks and luncheon on the specified day. Welcome reception is included for registrations on 24 October. Student registrations (with valid IDs only) include all conference sessions technical exhibition and coffee breaks.

Additional Tickets	COST IN USD
Luncheon Ticket (please select date) <input type="checkbox"/> Monday, 24 October <input type="checkbox"/> Tuesday, 25 October <input type="checkbox"/> Wednesday, 26 October	USD 70 × (_____ tickets)
Welcome Reception (Monday, 24 October)	USD 30 × (_____ tickets)
CD Proceedings	USD 200 (SPE Member) × (_____) USD 300 (Nonmember) × (_____)

TOTAL COST IN USD _____

All SPE sessions are protected by US copyright laws. Photography and video/audio recording of any kind are strictly prohibited in the sessions and throughout the exhibition area except for authorised personnel.

PAYMENT AND CANCELLATION POLICY

Payment can be made by credit cards or bank transfers. All payments should be made in USD.

<input type="checkbox"/> Bank Transfer		Cancellation Policy	
Please make the payment to: HSBC Bank Middle East Ltd, Jebel Ali Branch, P.O. Box 66, Dubai, UAE Account: SPE Middle East DMCC Account Number: 036-217131-100 (USD) Swift Code: BBMEAED IMPORTANT: TRANSFER REFERENCE MUST QUOTE "11MEDT" AND INVOICE NUMBER.		<ul style="list-style-type: none"> • If you cancel before 31 August 2011, you will receive a full refund less USD 100. • If you cancel after 31 August 2011, you will not be eligible for a refund. • No refund will be given if a registered delegate fails to attend the conference. • SPE must receive cancellation requests in writing by 31 August 2011, by fax on +971.4.457.3164, or by email to apraphat@spe.org. 	
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