9th Sand Management Euroforum

24 & 25 March 2020
Ardoe House Hotel
Aberdeen, Scotland

Maximising Value Using Innovative Sand Management Technology
Efficiency, Innovation and Data Management

Ardoe House Hotel
Aberdeen, Scotland

Pre-conference Workshop
Managing Sand Production
23 March 2020

Conference and Exhibition
24 & 25 March 2020

Sponsored by:
Ridge AS, part of THREE60 Energy Group

www.spe-aberdeen.org
www.sandmanagement.com
Programme for Tuesday 24 March 2020

08:00 Registration and refreshments

08:55 Welcome and introduction Colin Jones, Senior Completions Advisor, Chevron Co-chair, SPE SMN 9th Sand Management Euroforum

09:00 Keynote Address Egil Hustrulid, Manager O&M, Equinor

09:15 20 years of Sand Management in Equinor Thorjan Knudsvik & Arlen Beathe Reme, Equinor

09:45 Fluids Design for Water Injection Wells Requiring Sand Control: Advances in Laboratory Scale up to field Deployment – West of Shetland case study Allan Tynnam, Ridge

10:10 An Innovative and Novel Process for the Improved Management and Operation, of Sand Injection and Calibration Richard Bart, Proserv

10:35 Refreshment break in exhibition hall

11:05 Sand Monitoring in the Cloud – How Digitalization can Improve Sand Detection Torbjorn Haagstad, ClampOn

11:30 Calibration of Acoustic Sand Detectors without Sand Injection? Neil Barton, Xodus Group

11:55 Solids Transport in Multistage Drilling Operations Gbenga Oluyemi, Voke Salubi and Ruissein Mahon, RGU

12:20 Optimal Design for Real-time Quantitative Monitoring of Sand in Gas Flowline using Computational Intelligence Assisted Design Framework Tiijani Kuda, Department of Engineering, Glasgow Caledonian University

12:50 Buffet lunch in exhibition hall

14:00 The Impact of Sand Control Completions on Well Performance? Mike Byrne, UK

14:25 Filtration at the Near Wellbore and Inflow Impairment Juan Iwao, BSG

14:50 Separator Jetting – Improved HSE and Production Efficiency Neil Meldrum, FourPhase

15:15 Refreshment break in exhibition hall

15:45 Enabling Effective Sand Control through the Application of Visual Analytics Glyn Roberts, EV

16:10 Comparison between Open hole & C&P Completions to Minimise Sand and Maximise Well Productivity Phil McCurdy, LR


16:50 Closing Remarks Kenny McAllister, Section Chair, SPE Aberdeen

17:00 Networking reception in exhibition hall

18:00 Close of Day 1

Programme for Wednesday 25 March 2020

08:00 Registration and refreshments

08:55 Welcome and introduction Graham Miller, Senior Production Technologist, Shell UK Ltd - Co-chair, SPE SMN 9th Sand Management Euroforum

09:00 Estimating the Design Erosion Operating Envelope of Sand Screens in Openhole Completions Steve Hicking, Shell

09:25 Understanding Sand Control Installation Failures Phil Wassouf, DuneFront

09:55 Research on Erosion Life Prediction Method of Sand Control Screen Wen Min, CNODC

10:20 Refreshment break in exhibition hall

10:45 Downhole Sand Detection Using Passive Acoustics - Case Study Martin Vodova, TGT Diagnostics

11:10 Materials Science Matters: Ceramic Sand Screens Can Reduce Risk and Increase Viability of Remedial Sand Control Interventions Charles Sanders, 3M

11:35 Production Optimization Using a Probabilistic Flux Management Model Colin Jones, Chevron

12:00 Buffet lunch in exhibition hall

13:00 Ultra-lightweight Proppant Enables the Effective Completion of Long Open Hole Gravel Packs Pedro Saldungaray, Carbo

13:25 Managing Sand Production From A Thermally Fractured Nano-perm Hp-ht Gas Reservoir – A Case Study Of Keshen Gas Field Babs Oyeneyin, H-Flow Energy Holdings Ltd, PetroChina Tarim Oilfield Company; Ideal Oil and Gas Connections Inc

13:50 Filtrex – One Trip Remedial Sand Control Solution Eilidh McKay, Technical Support Manager, Tendeka

14:15 Refreshment break in exhibition hall

14:45 Shaped Memory Polymer: An Innovative Approach to Sand Control Open Hole Completion in Thin, Multi-layered, Depleted Low Permeability Gas Reservoirs Peter Kidd, Baker Hughes

15:10 Sand Production, Being Prepared – A Case Study in the North Sea James Banister, NOV

15:35 Achieving Sand Control in a Tight Pore Pressure to Fracture Gradient Window HPHT Field in Egypt Taher Tahirov, BP International

16:00 Holistic Brownfield Sand Management Case Study Todd Logus, Calh Devolve, Gilbert Kuo, Juan Juarez, Exxon Mobil

16:25 Closing Remarks Prof Ian Steel, SMN

16:30 Close of Day 2

Note: Programme subject to amendment by SMN/SPE Aberdeen
The morning will comprise an interactive session which takes us through over 8 years of sand production history of a field in order to determine and identify different events that led to the management actions taken. Continued successful hydrocarbons production from the field was achieved.

The data available is divided into three (3) stages:

1) Initiation of production (4 months)
2) Early production (4 years)
3) Mature production (6 years).

Data is provided to allow analysis and diagnostic of performance for each stage, background information will also be provided to compliment the analysis, open discussion and presentations will be based on:

- Sand production history, management and impact on hydrocarbon production
- Hydrocarbons and water production/Injection rates
- Pressure history (BHFP, DD, BHIP)

We will place attendees into groups and will ask them to analyse, diagnose and identify the critical events & decisions that led to the next stage in the life of the field. Identification of alternative options to the actual sequence of events is sought from the participants including the rationale for what is proposed. Groups will comprise a mixture of disciplines and backgrounds (i.e. drilling, completion, production engineers, geomechanist, production chemistry, PTs).

Data for each stage is presented for different areas as follows:

1. Production (Oil rate, sand rate, sand volumes)
2. Pore pressure and general completion details
3. Flow assurance (Erosion rates measured at surface)

A set of questions are presented for each stage in the life of the field, answers gathered by the different groups must be a collective view and have at least a simple rationale to explain the events and the engineering concepts that the group considers support their diagnosis and analysis.

The afternoon will look at the current industry hot topic of digitalisation - an introduction, methodology, visualisation and a case study in practice.
The 2020 Euroforum is being held at:

**Ardoe House Hotel**
South Deeside Road, Blair - AB12 5YP
Tel: +44 (0)1224 860600

Ardoe House is located on the on the south side of the city, seven miles from Aberdeen airport, and three miles from the train station. There is ample free parking available.

### Conference 2 days 24th and 25th March

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<th>SPE and SMN members</th>
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All prices exclusive of VAT. Prices include all delegate documentation, refreshments, lunches and networking reception. We are unable to invoice for fewer than 5 delegate places. Payment is accepted by all major credit cards or BACs.

### Exhibition space and sponsorship

Book your exhibition stand now or take a sponsorship package, prices held since 2012 and start as low as £350 plus VAT. Contact organisers below for more details.

### Accommodation

Preferential accommodation rates are available:

**£119 B&B single occupancy**

To book please phone or email the in house reservation team on 01224 860666 or h6626-re@accor.com and mention you are attending the Euroforum 2020. Please note these rates are available on a first come, first served basis until they reach capacity.

**Book Hotel**

**Sponsored by:**

Ridge AS, part of THREE60 Energy Group

**Event organisers:**

Dunbar Events & Marketing Ltd
Tel: 01224 900035
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**www.sandmanagement.com**