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شركة تنمية نفط عُمان  
Petroleum Development Oman



وزارة الطاقة والمعادن  
Ministry of Energy and Minerals

# SPE International Hydraulic Fracturing Technology Conference and Exhibition

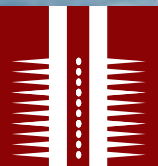
Fracturing—Growth Engine for Developing Global Oil and Gas Resources

**12–14 September 2023**

Oman Convention and Exhibition Centre  
Muscat, Sultanate of Oman

## Post-Event Report

[go.spe.org/SPEHydraulicFracturing](https://go.spe.org/SPEHydraulicFracturing)



## About the Conference

The third edition of the SPE International Hydraulic Fracturing Technology Conference and Exhibition, themed “Fracturing—Growth Engine for Developing Global Oil and Gas Resources,” served as a vital gathering for energy professionals.

It brought together industry titans, distinguished experts, and seasoned practitioners to deliberate hydraulic fracturing advancements that expanded the global energy resource base, tackled cost-efficiency, and championed carbon-resilient oil and gas development. This gathering of exceptional minds charted an inspiring course for the future of the oil and gas sector.

### ATTENDEES



**743**  
TOTAL  
ATTENDEES



**208**  
COMPANIES



**35**  
COUNTRIES

### CALL FOR PAPERS



**393**  
ABSTRACTS  
SUBMITTED



**86**  
COMPANIES



**32**  
COUNTRIES

### EVENTS HIGHLIGHTS



**1**  
EXECUTIVE PLENARY  
SESSION



**3**  
EXPERT PANEL  
SESSIONS



**1**  
PROJECT  
SESSION



**14**  
TECHNICAL  
SESSIONS



**88**  
TECHNICAL  
PAPERS



**100+**  
SPEAKERS



**25+**  
EXHIBITORS



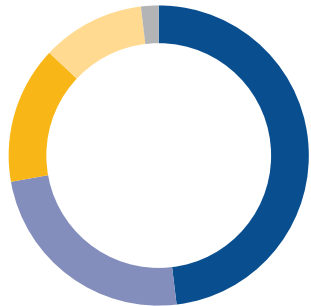
**1**  
FIELD  
TRIP

### EVENT HIGHLIGHTS VIDEO



## Attendee Statistics

The event attracted **743 professionals** from the industry representing **208 organisations** and **35 countries**. These statistics\* provide a snapshot of the professional classifications, and geographical breakdown of attendees who participated.



### Geographic Region

■ Middle East	48%
■ UK/Europe	24%
■ United States	15%
■ Asia/Asia Pacific	11%
■ North Africa	2%



### Technical Interests

■ Completions	40%
■ Production and Operations	24%
■ Reservoir	15%
■ Management	9%
■ Data Science and Engineering Analytics	4%
■ Drilling	4%
■ Health, Safety, Environment, and Sustainability	2%
■ Projects Facilities and Construction	2%



### Job Classifications

■ Engineer	41%
■ Consultant	11%
■ Executive	11%
■ Manager	9%
■ Sales and Marketing	8%
■ Business Operations	4%
■ Geologist or Geophysicist	4%
■ Research and Development	4%
■ Student	4%
■ Educator	2%
■ Other	2%

\*Based on responses to the event attendee survey.



96%

would possibly to definitely recommend this event to others in their field



91%

rated the exhibition good to excellent



91%

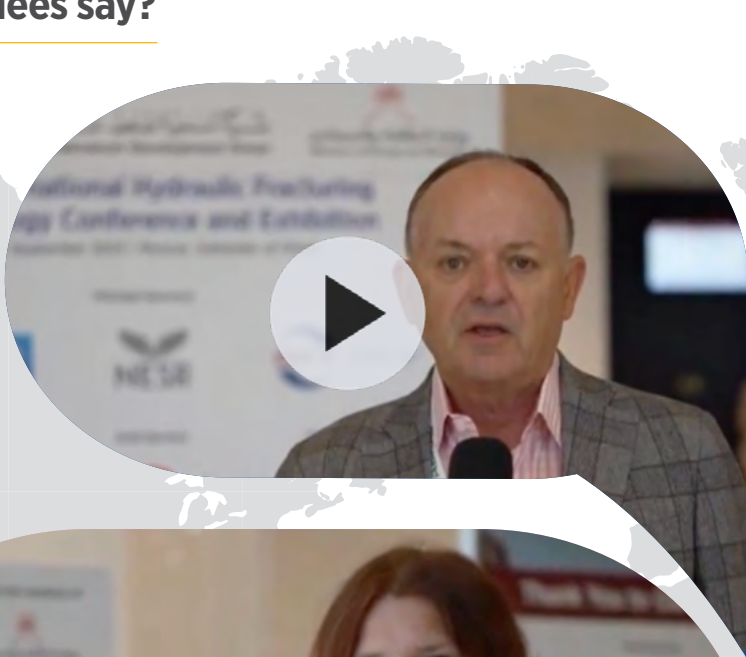
rated the networking as good to excellent



92%

rated the technical content as good to excellent

## What did attendees say?



## Committee

### Conference Chair

Sultan Al-Shidhani  
**Petroleum Development  
Oman**

### Conference Co-Chair

Faisal Beheiri  
**Saudi Aramco**

### Programme Co-Chairs

Sultan Al Harrasi  
**bp**

Anwar Husen Akbar Ali  
**PETRONAS**

C. Mark Pearson  
**Liberty Resources**

### Executive Committee Members

Steve Adiletta  
**Oxy**

Fahad Al Hadyani  
**TQA**

Talal Al-Aulaqi  
**Independent Consultant**

Said Alharthy  
**Shell**

Sherif Elazab  
**ADNOC**

Stephen Persac  
**Halliburton**

Ibrahim Al Alawi  
**TQA**

Hamed Al Subhi  
**Petroleum Development Oman**

Khalid Al Araimi  
**Gulf Energy Int.**

Mahmoud Al-Hashmi  
**OQ**

Ahmed Hilal  
**SLB**

Wael Ziadat  
**Weatherford**

Alejandro Duran  
**Baker Hughes**

Salvatore Luppina  
**Eni**

### Programme Committee Members

Ramzi Abdulkadir  
**Shell**

Hernán Buijs  
**Wintershall Dea Gmbh**

Satya Gupta  
**Baker Hughes  
Technology Fellow**

Tim Leshchyshyn  
**FracKnowledge**

Amit D. Nakhwa  
**NCS Multistage**

Yudiyoko Ega Sugiharto  
**PETRONAS**

Abeer Al-Abdullatif  
**Halliburton**

Gabriele Carpineta  
**Eni**

Abdalmohsin Imqam  
**ZL Chemicals**

Qun Li  
**China National Petroleum  
Corporation**

Karen Olson  
**Well Data Labs**

Nayef Mulhim  
**Saudi Aramco**

Ali Al Ghaithi  
**Petroleum Development Oman**

Arya Christiawan  
**Abraj Energy Services LLC**

Maytham Ismail  
**Saudi Aramco**

Ricardo C.B. Melo  
**Repsol**

Ben Poppel  
**Liberty Oilfield Services**

Mark Watson  
**PackersPlus**

Ziad Al Jalal  
**TQA**

Alexandre Bezerra De Melo  
**ADNOC Offshore**

Alireza Khazemi  
**Sultan Qaboos University**

Mark Norris  
**Oilfield Production  
Enhancement Consulting  
Services (OPECS)**

Martin Rylance  
**THREE60 Energy**

Rioka Yuyan  
**Abraj Energy Services LLC**

Murtada Al Jawad  
**KFUPM**

Garrett Fowler  
**ResFrac Corporation**

Stevanus Kurniadi  
**SLB**

Jennifer Lynne Miskimins  
**Colorado School of Mines**

Pedro Saldungaray  
**CARBO**

Ruqaiya Zadjali  
**Petroleum Development Oman**

Said Al Kindi  
**Petroleum Development Oman**

Francisco Fragachan  
**Weatherford**

Enrico Annovi  
**CARBO**

Josef Shaoul  
**Fenix Consulting Delft**

Junjing Zhang  
**ConocoPhillips**

Oscar Alvarado  
**OilSERV**

Chad Gibson  
**WellBoss**

## Opening Ceremony

### Moderator



Shaymaa Touqi  
Corporate Technology  
Advisor  
**Petroleum Development  
Oman**



Sultan Al-Shidhani  
Petroleum Engineering  
Function Director  
**Petroleum Development  
Oman**

### Speakers



H. E. Mohsin  
Al Hadhrami  
Undersecretary  
Ministry of Energy  
and Minerals  
**Sultanate of Oman**



Medhat Kamal  
2023 SPE President  
Chevron Emeritus  
**Chevron**

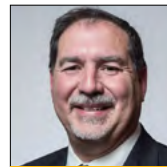
## Executive Plenary Session: Fracturing—Growth Engine for Developing Global Oil and Gas Resources

### Moderator



Mark Pearson  
President & CEO  
**Liberty Resources**

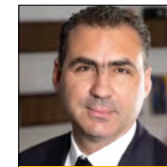
### Speakers



Terrence Palisch  
Vice President  
2024 SPE President  
Technology & Engineering  
**Carbo Ceramics**



Anwar Husen Akbar Ali  
Head of Petroleum  
Engineering  
**PETRONAS**



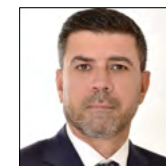
Ibrahim Mousa  
Managing Director  
**SLB**



Steven Lauver  
President and  
General Manager  
**Occidental of Oman**



Salim Al Sikaiti  
Oil South Director  
**Petroleum Development  
Oman**



Raed Sami  
Hydraulic Fracturing  
Director  
**NESR**

## Panel Session 1: Investment in Unconventional Resources—Risk versus Future Outlook

### Moderators



Ibrahim Al Alawi  
Vice President,  
Marketing and  
Business  
Development  
**TAQA**

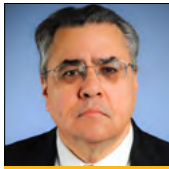


Alejandro Duran  
Vice President  
Subsurface and  
Consulting  
Services  
**Baker Hughes**

### Speakers



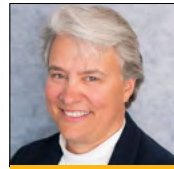
Anas Omair  
Reservoir  
Management  
Manager  
**Aramco**



Francisco Fragachan  
Engineering Director  
Pressure Pumping  
and Drilling Fluids  
**Weatherford**



Khaled Al Aradi  
VP, Reservoir  
Performance  
MENA  
**SLB**



Jennifer Miskimins  
Department Head F.H. Mick  
Merelli/Cimarex Energy  
Distinguished Department  
Head Chair Petroleum  
Engineering Department  
**Colorado School of Mines**

## Panel Session 2: Hydraulic Fracturing New Technologies and Digitalisation as Efficiency and Productivity Enablers

### Moderators



Anwar Husen Akbar Ali  
Senior General Manager  
Petroleum Engineering  
Department  
**PETRONAS**



Karim Mechkak  
North Jafurah  
Production Engineering  
Unit Supervisor  
Unconventional Well  
Completion and  
Production Engineering  
Division  
**Aramco**

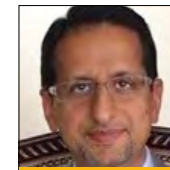
### Speakers



Luis Gonzalez  
KSA Reservoir  
Performance  
Stimulation Business  
Line Manager  
**SLB**



Abdullah Al Mulhim  
Gas Production  
Engineering Manager  
**Aramco**



Moin Muhammad  
VP, Chemicals and  
Technology Center  
Management  
**NESR**

## Panel Session 3: ESG for Sustainable Growth in Hydraulic Fracturing

### Moderators



Talal Al Aulaji  
**Independent  
Consultant**



Stephen Persac  
Country Manager  
Production  
Enhancement &  
Production Solutions  
**Halliburton**

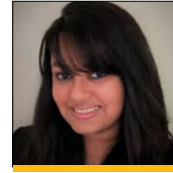
### Speakers



Isaac Aviles  
Digital Product  
Manager, Reservoir  
Performance  
**SLB**



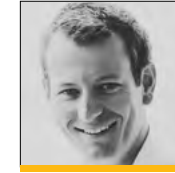
Garrett Fowler  
Chief Operating Officer  
**ResFrac Corporation**



Riteja Dutta  
E and P Segment  
Leader  
**Enverus**



Cris O'Brien  
Senior Staff  
Production Engineer  
**Shell**



William Ruhle  
Production Enhancement  
Strategic Business Manager  
**Halliburton**

## Project Session: PETRONAS Frac Pack Journey

### Speakers



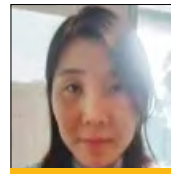
Anwar Husen Akbar  
Ali, Senior General  
Manager, Petroleum  
Engineering  
Department  
**PETRONAS**



Zulkifli Zin  
Staff Production  
Technology  
**PETRONAS**



Cheol Hwan Roh  
Principal Production  
Technology  
**PETRONAS**



Ling Ru Piin  
Senior Reservoir  
Engineer  
**PETRONAS**



Rizwan Rozlan  
Staff Completion Engineer  
**PETRONAS**

We thank all the  
speakers of the  
conference. View  
the agenda and  
the full list of  
speakers here.





## Social Media Coverage

**Society of Petroleum Engineers International**  
195,815 followers

🌟 The SPE International Hydraulic Fracturing Technology Conference is in full swing in Muscat, Oman! During the opening ceremony, His Excellency Mohsin bin Hamad Al Hadhrami, Undersecretary of the Ministry of Energy and Minerals, Sultanate of Oman, emphasized the importance of collaboration and innovative solutions.

Learn more about this prestigious event:  
[https://lnkd.in/g/WwRP\\_E](https://lnkd.in/g/WwRP_E)

#SPEevents #oilandgas

g Global Oil and Gas Resources  
r 2023 | Muscat, Sultanate of Oman

/SPEHydra

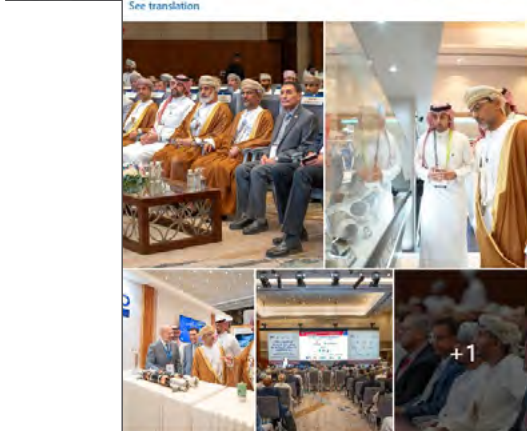
**Ministry of Energy and Minerals**  
8,404 followers

انطلاق أعمال المؤتمر والمعرض الدولي لتكنولوجيا التصنيع الهيدروليكي، تحت رعاية سعادة  
محسن بن حمد الحضرمي وكيل وزارة الطاقة والمعادن.

ينعقد المؤتمر والمعرض المصاحب له بمركز عمان للمؤتمرات والمعارض خلال الفترة الممتدة  
من 12 إلى 14 سبتمبر 2023، ويتركز على موضوع تقنية التصنيع الهيدروليكي، التي تمثل  
محرك النمو لتطوير موارد النفط والغاز العالمية.

ويهدف المؤتمر إلى تمكين نمو قاعدة موارد الطاقة من النفط والغاز إلى جانب استكشافات  
كثيفة مساهمة بفعالية التصنيع الهيدروليكي في تطوير قطاع الطاقة من حيث كفاءة التكلفة  
وحفظ البيئات الكربوني.

See translation



**Petroleum Development Oman**  
483,710 followers

PDO hosted the SPE International Hydraulic Fracturing Technology Conference and Exhibition, which was kicked off yesterday under the auspices of H.E. Mohsen Al-Hadhrami undersecretary of Ministry of Energy and Minerals, gathering different field experts from global companies.

The Conference Chair, Petroleum Engineering Function Director at PDO, Sultan Al Shidhani, delivered a keynote address on the conference's global significance and its pivotal role in advancing hydraulic fracturing technology.

H.E. Mohsen Al-Hadhrami opened the exhibition and visited PDO's booth which showcases the company's latest techniques in hydraulic fracturing. PDO specialists also participated in several discussion session.

**NESR**  
149,213 followers

Capturing moments at the #SPE International #Hydraulic #Fracturing #Technology Conference & Exhibition in #Oman. Happy to be part of this event, where we're showcasing our purpose-driven #solutions and engaging in enlightening conversations with #industry #leaders, and our executive team actively participated in dynamic panel discussions, sharing invaluable insights

Backstage Sponsor

ring—Growth Engine g Global Oil and Gas Res

ational racturing Conference Exhibition 2023 Muscat, Sulta

## Oman News TV Interview Coverage



Society of Petroleum Engineers

### About the Society of Petroleum Engineers

The Society of Petroleum Engineers (SPE) is a not-for-profit professional association with more than 119,000 members in 138 countries engaged in the exploration and production of oil and gas and related energy resources. SPE is a key technical and professional resource providing opportunities to exchange information at in-person and online events and through training, publications, and member programs. SPE maintains offices in Calgary, Dallas, Dubai, Houston, Kuala Lumpur, and London.

# Press Coverage

## Hydraulic expo focuses on carbon resilient energy development

ENR International Hydraulic Fracturing Technology Conference and Exhibition will explore the growth of the oil and gas energy industry from which derives the new hydraulic fracturing technology to allowing more and wider-scale energy development.

Annual Investment Deal Announcements by IDBET at ADM Congress

inma fund finances over 75 projects worth OMR99mm in first half of 2023

## Omani Islamic financial services on a path to success

## Omani non-oil exports to Saudi Arabia soar to \$2.4 bn in value

## Global hydraulic fracturing conference begins in Muscat

9 ملايين ريال قروضاً تمويلية للقطر لـ «إيمان» بالنصف الأول

القطر يفتتح «الملتقى العالمي للتقنية الهيدروليكية» في مسقط

«القطر» تطلق نظاماً إلكترونيًا لحالات عمل إبعاد خطة «حديقة»

## المؤشر

## أسعار النفط ترتفع مع ترقب الأسواق للمخزونات وبيانات اقتصادية

## مؤشر بورصة مسقط ينخفض بنسبة 0.05 بالمائة

## إدارة الأصول من بنك مسقط تلمح تعزيز استثماراتها مع مدير الأصول الرائد والأكثر خبرة في سلطنة عُمان

## إطلاق حملة لاستئجار عدد من سيارات مرسيديس

## ارتفاع القيمة السوقية بورصة مسقط إلى 23.71 مليار ريال عماني

## نقط عمان يرتفع 73 سنناً و «أوبك» تبقى على توقعات نمو الطلب العالمي على الخام

## عمان الاقتصادي

## استكشاف مساهماتها في تطوير القطاع

## تؤمّن تكنولوجيا التصنيع الهيدروليكي بأفضل التقنيات الحديثة وأسماها قطاع الطاقة

## ندوة التمويل الإسلامي تناقش واقع الخدمات المالية الإسلامية في سلطنة عمان

## إعلان طرق مواصلات

## تعداد محطة مياه الجسرة كمنحة وتمتد لتشغيل الخطين العمري

## تطوير منصة دعم الشركة، الرامية لتعزيز التعاون الصناعي

## Up to 4% interest With High-Yield Savings Account

## Oman's high-speed digital network now integrates 1,233 government websites

## Oman to host key hydraulic fracturing conference

## calls for fair pricing of retail fish receive official nod

## IPO of OQ Gas Networks potentially worth \$700 – 800m

## المؤتمر الدولي لتكنولوجيا التصنيع الهيدروليكي يبحث تعظيم إسهام التقنية في تطوير قطاع الطاقة

## إطلاق حملة لاستئجار عدد من سيارات مرسيديس

## ارتفاع القيمة السوقية بورصة مسقط إلى 23.71 مليار ريال عماني

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## المؤشر

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## نقط عمان يرتفع 73 سنناً و «أوبك» تبقى على توقعات نمو الطلب العالمي على الخام

## المستقبل الاقتصادي

## «النقل والاتصالات» ربط 1233 موقعاً عبر الشبكة الحكومية الموحد»

## محطة تعبئة الوقود بمختلف محافظات سلطنة عمان

## ارتفاع إجمالي الأسماك المنزلة بالصيد الحرفي إلى نحو 396 ألف طن

## Thank You to Our Sponsors and Supporters

### Exclusive Host



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Petroleum Development Oman

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# Thank You to Our Exhibitors



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Society of Petroleum Engineers

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United Arab Emirates

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