

SOCIETY OF PETROLEUM ENGINEERS

Wyoming Petroleum Section
 Marron Bingle-Davis, Secretary
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Section Website For Latest News:
<http://wyoming.spe.org/>

2020-2021 Wyoming Petroleum Section				
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UPCOMING AREA MEETINGS

WYOMING GEOLOGICAL ASSOCIATION –

All **WGA/SPE IN-PERSON MEETINGS FOR THE REST OF THE YEAR HAVE BEEN CANCELLED** due to the COVID-19 pandemic. We will be reevaluating in-person meetings for 2021. The **BELOW TALKS ARE HOSTED VIRTUALLY FRIDAYS AT NOON**. If you would like to attend these virtual talks, please RSVP to wygeology@gmail.com by Thursday to receive the meeting information.

November 6, 2020: The SPE Distinguished Lecturer, [John De Wardt](#) has rescheduled to [December 4, 2020](#) – No talk is scheduled as of now for November 6.

November 13, 2020: Veteran’s Day Presentation – John Woodward – Wyoming Veterans Museum – Presentation on George Ostrom, a World War I veteran from Sheridan

November 20, 2020: Special Energy Minerals Division-AAPG Presentation: Ali Jaffri – Applied Stratigraphix – *Sediment Hosted Uranium Exploration - The State of the Art*

November 27, 2020: No Presentation – Happy Thanksgiving!!



UPCOMING MONTHLY PRESENTATIONS FOR THE SPE WYOMING PETROLEUM SECTION

[November SPE Meeting has been RESCHEDULED – see below](#)

[December 4 SPE Meeting – Virtual SPE Distinguished Lecturer: John de Wardt - DE WARDT AND COMPANY - *Drilling Automation is Here: Propagation, Pitfalls, Profits & Production*](#)





Society of Petroleum Engineers

Wyoming Petroleum Section November 2020 Newsletter

<http://wyoming.spe.org/>



When: **NO NOVEMBER MEETING**
December 4, 2020

RSVP to

Where: **VIRTUAL MEETING**
Time: 12:00 PM

wygeology@gmail.com
for meeting link



**Event: John de Wardt – DE WARDT AND COMPANY –
Drilling Automation is Here: Propagation, Pitfalls,
Profits & Production**

BIOGRAPHY:

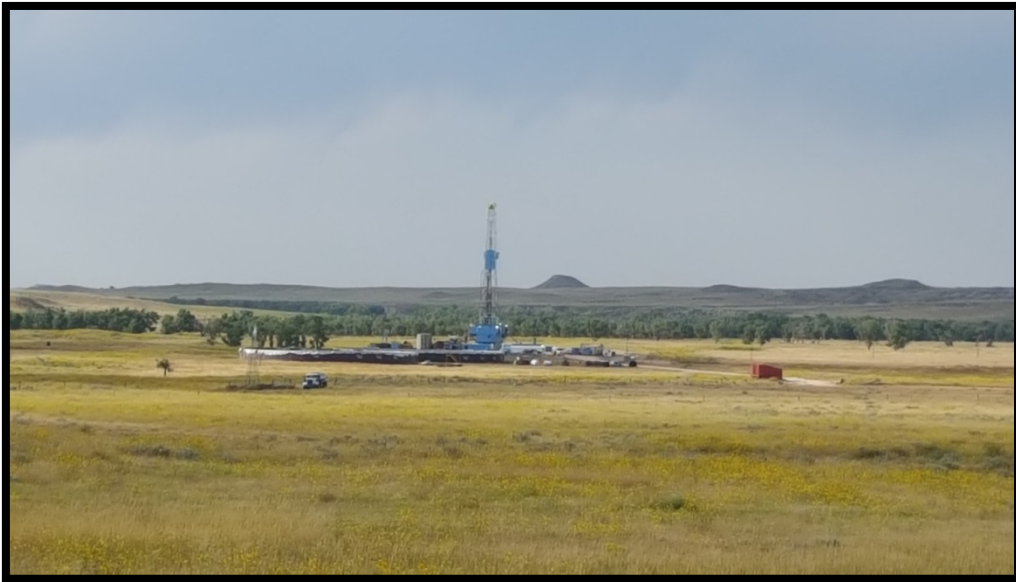
John de Wardt is a recognized Upstream Global Consultant with a 43-year career: he consults to operators, NOC's, service companies, drilling contractors, OEM's, investors, academia. He previously held engineering / management positions with Shell, Forasol / Foramer and Halliburton. John has lived / worked in 33 countries; is Program Manager DSA Roadmap & DSABOK™, Board Member of SPE DSATS, lecturer / doctoral advisor at Colorado School of Mines. John graduated with a BSc Hons degree in Mechanical Engineering, became a Chartered Engineer and was elected a Fellow of the Institution of Mechanical Engineers and a Distinguished Member of SPE. John has Published 28 papers, led 19 industry forums / workshops and committee member SPE / IADC Drilling Conference for 19 years.



ABSTRACT:

Drilling Automation is a fast-growing technology application that impacts all companies and all disciplines connected to well construction. Technology applications are being developed by large and small companies. Rising data demands are uncovering source data quality issues that also affect data analytics. Automation will not be an all or nothing proposition, humans will still perform roles in the automation loops according to the balance of sensor data quality, algorithm capability, operational uncertainty and human capacity. Drilling programs are rapidly being digitized for greater collaboration and learning efficacy, providing the input to automated drilling systems. The value proposition of automated drilling is moving from

time saved by drilling performance to increasing well productivity and reducing well operating costs. A multidiscipline approach to drilling systems automation (DSA) adoption focused on drilling duration, well productivity and well operation yields the greatest value. This SPE Distinguished Lecture presentation view is holistic and industry neutral (agnostic) benefiting all participants. There is no single solution; there is room for everybody to learn to participate. The key idea from this lecture: DSA is advancing rapidly; understanding how a holistic view encompassing drilling, subsurface and production enables knowledgeable implementation decisions for adoption by users and providers drives maximize value.





CALENDAR OF EVENTS and NEWS WYOMING PETROLEUM SECTION



Due to our excellent participation in past continuing education events, we will continue to offer these as they become available. Our web address is <http://wyoming.spe.org>

The SPE Wyoming Petroleum Section will send out letters requesting scholarship sponsors for the 2021 year in November. Please consider helping out these deserving students in their academic pursuits. Scholarships will be awarded in the Spring of 2021. If you need further information please contact Sabrina Hamner at: sabrina.hamner@wyo.gov



**MEETINGS ARE VIRTUAL
UNTIL FURTHER NOTICE!!**

**RSVP TO wygeology@gmail.com
FOR LINK TO SEE TALKS VIA ZOOM**

UPCOMING OPPORTUNITIES



**AAPG Energy Minerals Division and
Wyoming Geological Association present:**

SEDIMENT HOSTED URANIUM EXPLORATION - THE STATE OF THE ART

**Dr. Ali Jaffri
Applied Stratigraphix LLC**

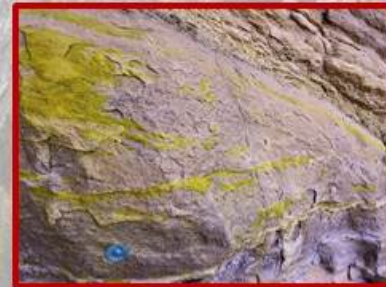
**November 20, 2020
12:00 PM**

Biography

Ali Jaffri, Ph.D. is the CEO of Applied Stratigraphix LLC and has twenty-one years of experience in sedimentology and stratigraphy projects. He has worked several onshore US Basins, the North Sea, Indus Basins, Barents Sea, Offshore East, and West Africa, Taranaki Basin, Offshore Mid-Norway, and the Pricaspian Basin. He has a doctorate from Colorado State, Masters from Oklahoma State, and Bachelors from the University of Colorado. Equally proficient in carbonates, clastics, and evaporites, he has trained over five hundred oil and gas professionals from fifty-five companies in ten countries. His latest venture is compiling a database of lithofacies and associated sediment-hosted metals such as Uranium, Vanadium, and Copper from mines in the United States.

Abstract

This presentation highlights the Uranium industry's current approach to sediment-hosted deposits and presents new exploration strategies. Preliminary results from an internal company project to build a database of Uranium mines in the US will be shown. Lithofacies in fluvial, shallow marine, eolian siliciclastics and carbonates are documented for Uranium mines across the Colorado Plateau to determine the conditions needed for Uranium entrapment. Examples from well-known mining districts including Uravan, Slickrock, Rifle, Henry Mountains, Ambrosia Lake, Grants and more will be discussed.



RSVP to wygeology@gmail.com