

SOCIETY OF PETROLEUM ENGINEERS

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

2017-2018 Wyoming Petroleum Section				
Section Chairman	Dave Chase	BLM	261-7685	dchase@blm.gov
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UPCOMING AREA MEETINGS

WYOMING GEOLOGICAL ASSOCIATION – All meetings at the Black Gold Grille (see Calendar Page). Lunch Buffet served from 11:15 to 12:00 at a cost of \$13.00. Contact the WGA office at 237-0027 for more information or to make reservations.

February 2, 2018 : Ali Jaffri – Applied Stratigraphix LLC – Correlation Challenges in Rocky Mountain Basins

February 9, 2018: Carlos A. Glandt (SPE) – QRI Houston – Improved Recovery of Mature Water Floods: Can we have a sizeable impact?

February 16, 2018: Mark Milliken – BLM – Drones

February 23, 2018: Carlos Davalillo – Power Services – Venezuela, its economy, people, and the region of Lake Maracaibo

UPCOMING MONTHLY PRESENTATIONS FOR THE SPE WYOMING PETROLEUM SECTION

February 9, 2018: Carlos Glandt – QRI Houston – Improved Recovery of Mature Water Floods: Can we Have a Sizable Impact?

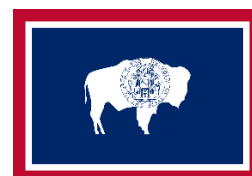
March 9, 2018: Patrick Ruty – Drillinginfo – Interference: Quantifying the Impact of Well Spacing and Drilling & Completion Variables on Production





Society of Petroleum Engineers

Wyoming Petroleum Section February 2018 Newsletter <http://wyoming.spe.org/>



When: Friday, February 9, 2018
Where: Black Gold Grille
Time: 11:15 AM (\$13.00 for buffet lunch)
Please notify Dave Chase at 261-7685 by noon on Tuesday, January 16, 2018 if you plan to attend. Please utilize this service so that we can give the Black Gold Grille an accurate headcount.

Event: Carlos A. Glandt – QRI Houston –
Improved Recovery of Mature Water
Floods: Can we have a sizeable impact?



Biography:

Dr. Glandt has more than 35 years of Reservoir Engineering experience in areas such as Field Development, Heavy Oil, Waterflooding, EOR, Smart Wells, and others. He worked at Shell for 28 years both in the US and internationally, covering a wide range of technical assignments and managerial responsibilities. He was manager of EOR R&D, Smart Wells Global Implementation, Reservoir Engineering Skill Pool for the R&D Organization, and Technical Manager for the Cedar Creek Anticline asset in Montana.

After retiring from Shell Dr. Glandt was Director of Development of YPF, the leading Argentinean oil company, and is now Sr. Consultant for QRI of Houston with assignments in projects around the world.

He holds an Engineering Degree from the University of Buenos Aires and a PhD from Princeton University, both in Chemical Engineering.

Abstract:

Mature waterfloods suffer from extended periods of ever increasing high water cuts. Although there are well established conformance technologies to arrest or mitigate these trends they have rarely been adopted across the field as part of a routine surveillance plan.

This presentation discusses two technologies that provide key information to design conformance jobs. They are Capacitance-Resistance Modeling (CRM) and interwell tracer tests. CRM, based on injection-production data only, provides a) interwell



connectivities that are key to understand water distribution, and b) the ranking of injectors' contribution to oil production, that immediately leads to injection optimization. Interwell tracer tests provide fluid flow paths and swept volumes required to design in-depth conformance treatments.

With the assistance of local laboratories, conformance experts, and Service Companies the surveillance engineer can lead an in-house multidisciplinary team to design and execute low cost conformance jobs, contracting out, if necessary, only field operations (mixing and pumping). In-house learnings will also contribute to lowering total costs.

Low costs result in low economic risks, a lower-level, faster approval process, which facilitates field wide deployment. Arresting and reversing the WOR trend should be a priority of the Surveillance Plan of mature waterflood operators, with the associated sizeable impact on production and reserves.





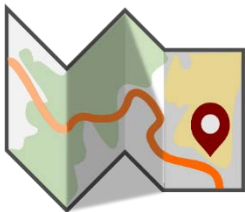
CALENDAR OF EVENTS and NEWS WYOMING PETROLEUM SECTION



Due to our excellent participation in past continuing education events, we will continue to offer these as they become available. Our new web address is

<http://wyoming.spe.org>

The SPE Wyoming Petroleum Section has sent letters requesting sponsors for the 2018 school year. If you need further information please contact Sabrina Hamner at: sabrina.hamner@wyo.gov



We appreciate your patience as we move meeting locations, which will now be held at the Black Gold Grille

**BLACK GOLD GRILLE
1650 ENGLISH AVENUE
CASPER**



****Members - Please Phone in Reservations for Meetings ****

Dave Chase is taking phone reservations for meetings at 261-7685. Please take a little extra time and utilize this service so that an accurate headcount can be given to the venue for their meal preparation. This also helps us to get scheduled into a meeting room that is adequately sized for our meetings. Your help in this matter is greatly appreciated