

**SOCIETY OF PETROLEUM ENGINEERS**

Wyoming Petroleum Section  
Marron Bingle-Davis, Secretary  
P.O. Box 2154  
Casper, WY 82602-2154



Section Website For Latest News:  
<http://wyoming.spe.org/>

2017-2018 Wyoming Petroleum Section				
Section Chairman	Dave Chase	BLM	261-7685	<a href="mailto:dchase@blm.gov">dchase@blm.gov</a>
Treasurer	Julie Cruse	Scientific Drilling	472-6621	<a href="mailto:julie.cruse@scientificdrilling.com">julie.cruse@scientificdrilling.com</a>
Scholarship Chair	Luke Opitz	Moser Energy Systems	234-7833	<a href="mailto:luke@moseres.com">luke@moseres.com</a>
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Secretary	Marron Bingle-Davis	Sunshine Valley Petroleum	233-8737	<a href="mailto:marron@sunshinevalleypetroleum.com">marron@sunshinevalleypetroleum.com</a>
Continuing Education	Mike Bingle-Davis	Kirkwood Oil and Gas	577-5311	<a href="mailto:mikeb@kirkwoodcompanies.com">mikeb@kirkwoodcompanies.com</a>
Membership Chair	Sabrina Hammer	WYOGCC	234-7147	<a href="mailto:sabrina.hammer@wyo.gov">sabrina.hammer@wyo.gov</a>

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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.

May 4, 2018 : Cynthia Blankenship – Retired BP – Gulf of Mexico History

May 11, 2018: Ron Auflick (SPE) – Wold Oil – Operating in the Powder River Basin

May 18, 2018: Mike Bingle-Davis – Kirkwood Oil & Gas – Paradox Basin

May 25, 2018: No Meeting

June 1, 2018: Dan Soeder – SDSM&T – Groundwater quality and fracking

June 8, 2018: Rachel Toner & Jim Stafford – WSGS – WSGS Interactive Web Maps

June 15, 2018: TBA

June 22, 2018: David Johnston – Daniel Johnston & Co – International O&G and comparatives to onshore US

June 29, 2018: 7<sup>th</sup> Annual Gene George Memorial Golf Tournament

## **UPCOMING MONTHLY PRESENTATIONS FOR THE SPE WYOMING PETROLEUM SECTION**

**May 11, 2018: Ron Auflick – Wold Oil – Operating in the Powder River Basin – Update on One Operator’s 2018 Approach to Optimization**

**HAVE A GREAT SUMMER!!**





Society of Petroleum Engineers

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



When: Friday, May 11, 2018  
Where: Black Gold Grille  
Time: 11:15 AM (\$13.00 for buffet lunch)  
Please notify Dave Chase at 261-7685 by noon on Thursday, May 10, 2018 if you plan to attend. Please utilize this service so that we can give the Black Gold Grille an accurate headcount.

**Event:** **Ron Auflick – Wold Oil – Operating in the Powder River Basin – Update on One Operator’s 2018 Approach to Optimization**



### Biography:

Ron Auflick is a partner and oversees operation for Wold Energy Partners LLC. Wold Energy Partners is a LLC focused on Wyoming, permitting and drilling eleven of the stacked pays in the Southern Powder River Basin.

Ron has 38 years of diverse domestic and international experience, both onshore and offshore. Focusing on directional, horizontal and extended reach drilling, Ron has been directly involved in hundreds of unconventional wells in 13 states and some 25 countries including the current world record ERD wells. Ron has authored papers for SPE, AADE, American OIL & Gas Reporter, Oilfield Review, and for American Society of Mechanical Engineers. For the Society of Petroleum Engineers, he regularly conducts continuing education seminars and has served as a Technical Advisor for the American Petroleum Institute.

Ron, a native Wyomingite, is an Honorably Discharged Marine and has B.Sc., Engineering w/Honors, from University of Wyoming.

### Abstract:

Interest and drilling activity in Wyoming’s Powder River Basin has increased in 2018. Ron Auflick will share some of the full cycle learnings coming out of Wold ongoing continuous operations. Those advancements highlight the use of rotary steering tools, advanced bits, real-time Mass Spectrometer and Mechanical Specific Energy. With real time reservoir compartmentation feedback, geosteering and ultimately stimulation design are improved. Several lesson learned will be shared. This presentation will build on Joe Large’s April 13th SPE/WGA presentation that focused on utilization of Mass Spectrometer for Powder River Basin well optimization.





## CALENDAR OF EVENTS and NEWS WYOMING PETROLEUM SECTION



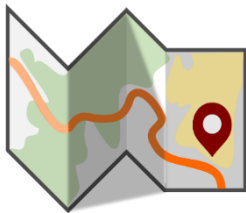
Due to our excellent participation in past continuing education events, we will continue to offer these as they become available. Our new web address is <http://wyoming.spe.org>

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



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**ANNOUNCEMENT:** Dave Chase will soon be ending his tenure as section/program chair and we are looking for a volunteer to fill his shoes!! Please email a board member if you are interested.

# NEW AND EXCITING PETROLEUM RESERVOIR ENGINEERING OPPORTUNITY IN WYOMING!!

Our oil and gas, energy and natural resource consulting firm, based in Casper, WY, requires a highly motivated self-starting petroleum reservoir engineer to join our professional team. We are an established and progressive company with longstanding clients and exciting projects.

Challenging and exciting opportunities are immediately available, especially if you are interested in seeking Wyoming Professional Licensure or already have earned the PE credentials. If this opportunity appeals to you and you are motivated to join our team, please submit your resume, along with a short biography or statement of qualification that will be the first page of your resume (like a cover letter) to tylerv@gga-inc.com. If wanting to discuss this opportunity further and/or to gain more clarification, call Tyler at 307-265-9199; he is happy to talk with interested candidates.

Candidates should possess strong verbal communication skills due to working with clients and administrative agencies, and strong written communication skills due to report generation. Applicants should respond ASAP for immediate consideration.

## ABOUT GENE R. GEORGE & ASSOCIATES, INC.

Gene R. George & Associates, Inc. (GGA) is a multi-dimensional, Wyoming based natural resource consulting firm that understands the delicate balance between energy resource development and environmental protection. GGA has served as an interface between private companies and administrative agencies in the energy sector for over 40 years. We understand the oil and gas industry in the Rocky Mountain Region; and bring our experience and knowledge of the regulatory process to the table. GGA is expertly staffed to provide unrivaled service to our clientele now and into the future. Our professionals bring a wide range of expertise and experience including: Petroleum Reservoir Engineering, Hydrology, Water Resource Management, Air Quality Engineering and Permitting, Regulatory and Government Affairs and Property Due Diligence. We maintain an extensive in-house library of resources to keep up with complex and ever-increasing regulatory requirements. Our experienced staff supplements their in-depth substantive knowledge with valuable agency relationships allowing for efficient navigation of regulatory processes. Our unique combination of technical and legal expertise allows us to develop conceptual ideas into fully viable and environmentally sound projects that we can then guide through final regulatory approval.



**THIS YEAR'S SCHOLARSHIPS ARE IN!!**

**WE AWARDED 13 SCHOLARSHIPS FOR  
A TOTAL OF \$10,250!!**

**CONGRATS TO ALL THE RECIPIENTS AND  
KEEP UP THE GOOD WORK!!**



# UPCOMING OPPORTUNITIES

**Distinguished  
Workshop Series**



Sponsored by



Enhanced Oil  
Recovery Institute



## Distinguished Workshop Series

May 16, 2018

featuring Dr. Michael Wiggins, Wm. Cobb and Associates, Dallas

Topic: Waterflooding: Screening and Surveillance

Join us from  
9am-4pm on  
Wednesday, May 16th, 2018

Lunch & refreshments  
provided by EORI

at  
True River Cross Commons  
465 N Poplar, Casper, WY.

### Register online:

[eoriwyoming.org/events/distinguished-workshop-series](http://eoriwyoming.org/events/distinguished-workshop-series)

Questions? Contact Lon Whitman at 307-315-6450

Hosted by True Oil



This event is FREE. Registration is required as space is limited.

EORI • 2435 King Blvd, Ste 140 Casper, Wyoming, WY 82604 • 307-315-6441 • [eoriwyoming.org](http://eoriwyoming.org)



Drilling Operations & Well Control Training

**Well Control Course  
IADC WellSharp Supervisor Level  
+Optional Workover/Completion Module  
University of Wyoming  
May 14-18, 2018**

**OBJECTIVE:**

The objective of this course is to teach well control competency to drilling personnel. A secondary objective is to prepare participants for an IADC WellSharp well control certification exams. Certification can be taken for Surface or Combined Surface and Subsea. BOP equipment, drilling fluids, barrier management, kick detection, shut-in procedures, kill sheets, various methods of well control, and organizing a well control operation are all taught in this course. A thorough understanding of how well control problems develop, how they should be solved, and how to prevent them are discussed. There is an extensive amount of simulator work in the course with an assortment of simulated problems.

**DRILLING COURSE TOPICS:**

- U-Tube
- Shoe Pressure Case Study
- API Rules
- Kill Sheets
- Simulator Workshops
- Well Control Principles
- Limitations to Control Capability
- Salt Water Flows
- Mud Considerations
- Well Control Drills
- Shallow Gas
- Diverting
- Causes of Abnormal Pressure
- Transition Zone Indicators
- Well Control Problems & Solutions
- BOPE & Accumulator Considerations
- Subsea Well Control Considerations
- Tripping Practices Related to Well Control

**OPTIONAL WORKOVER/COMPLETION TOPICS:**

- Barriers
- Barrier Elements and Envelopes
- Bullheading
- Reverse Circulation
- Volumetric
- 
- Lubrication and Bleed
- Conventional Well Control
- Simulator Exercises in Bullheading, Reverse Circulation, Volumetric and Lube&Bleed)
- Subsurface Equipment
- Completion Fluids
- Hydrates Problems
- Wireline Pressure Control Equipment

**COURSE FEES:**

- 4-Day IADC WellSharp Supervisor Level Surface Certification: \$1,350.00
- 1-Day Workover/Completion Module Certification: \$300.00

**DAILY SCHEDULE:**

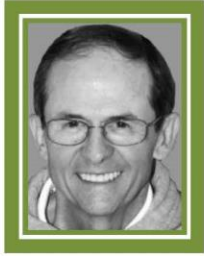
- Classes will begin at 7:00 A.M.
- Students are finished testing by 4:00 P.M. on Thursday for Drilling Only
- Students are finished testing by 1:00 P.M. on Friday for Drilling and WOC

**IADC CANDIDATE NOTES:**

The IADC has an online WellSharp Practice Exam to help those trainees who have test anxiety and want to become more familiar with the process of taking an online WellSharp exam. Four exams are currently available: Driller-Surface Stack, Driller-Combination Stack, Supervisor-Surface Stack, and Supervisor-Combination Stack. For access to these exams, go to the website listed below. <http://www.iadc.org/wellsharp/sample-wellsharp-exams/>

**ENROLLMENT:**

- Enroll online at [www.murchisondrillingschools.com](http://www.murchisondrillingschools.com)
- Or contact our Training Administrator: [htcadmin@murchisondrillingschools.com](mailto:htcadmin@murchisondrillingschools.com), 281-494-0371



7<sup>TH</sup> ANNUAL GENE R. GEORGE  
 MEMORIAL GOLF TOURNAMENT  
 FRIDAY, JUNE 29, 2018, 1:00 PM



**Tournament Format**

- Held at 3 Crowns Golf Course, Casper, Wyoming
- Registration begins at 12:00 pm, **Shotgun start at 1:00 pm.**
- 4 Man Team Scramble, individual registrations welcome!\*

*\* In an effort to accommodate those without a team, we will gladly accept individual registrations and place you on a team.*

**Tournament Costs/Extras**

- Entry fee: \$125 per person
- Team mulligans and ‘throw the ball’ available for purchase at registration
- Raffle Prizes
- The *infamous* Rock Hammer putter
- Please pay prior to the registration deadline of June 26<sup>th</sup>, but we will have a booth available at registration. All payments shall be made to the WGA (contact Dixie in the office @ (307) 237-0027 for credit card orders and other payment options).
- ALL PROCEEDS TO GO DIRECTLY TO SCHOLARSHIP FUNDS.  
**PLEASE HELP OUR FUTURE SCIENTISTS, ENGINEERS & LANDMEN OUT!!**

Team Name\*\*: \_\_\_\_\_

*\*\*If you are signing up as an individual, please write “Individual” as Team Name.*

Player 1: \_\_\_\_\_ e-mail \_\_\_\_\_

Player 2: \_\_\_\_\_ e-mail \_\_\_\_\_

Player 3: \_\_\_\_\_ e-mail \_\_\_\_\_

Player 4: \_\_\_\_\_ e-mail \_\_\_\_\_

**All entries due by 5:00 pm, June 26, 2018.**

Please email completed forms to [info@wyogeo.org](mailto:info@wyogeo.org)  
 or snail mail completed forms to WGA, P.O. Box 545, Casper, WY 82602.  
 Payment information: Dixie at WGA office: 307-237-0027  
 General information: Melanie Peterson: 307-266-3199







**\*\*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*