

**SOCIETY OF PETROLEUM ENGINEERS**

Wyoming Petroleum Section  
 Mike 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	Power Service	258-5075	<a href="mailto:lopitz@powerserviceinc.com">lopitz@powerserviceinc.com</a>
Program Chairman	Dave Chase	BLM	261-7685	<a href="mailto:dchase@blm.gov">dchase@blm.gov</a>
Secretary	Mike Bingle-Davis	Kirkwood Oil and Gas	577-5311	<a href="mailto:mikeb@kirkwoodcompanies.com">mikeb@kirkwoodcompanies.com</a>
Continuing Education	<b>Accepting Applicants</b>			
Membership Chair	Sabrina Hamner	WYOGCC	234-7147	<a href="mailto:sabrina.hamner@wyo.gov">sabrina.hamner@wyo.gov</a>

**GOLD SPONSORS**



Rocky Mountain Oilfield  
 Warehouse

**SILVER SPONSORS**



Denbury  
 Resources, Inc.



Lloyd Putnam  
 DBL Enterprises  
 LLC



Gene R. George &  
 Associates, Inc.



Hilltop National  
 Bank

**BRONZE SPONSORS**

Borah Borah  
 Petroleum

Integrated  
 Petroleum  
 Technologies

Quest Drilling  
 Fluids

WWC Engineering

True Oil Company

Extreme Petroleum  
 Technology



# 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.

September 1, 2017 : NO MEETING – Labor Day

September 8, 2017 : NO MEETING – Core Workshop / Field Conference

September 15, 2017: Jolene Martinez / Matt Hahn – City of Casper / WY Game and Fish – Platte River Revival

September 22, 2017: Brett Edwards / Amber Krummel (SPE) – Relevant / CSU – A Downhole Nanofluidity Solution to Oil Field Problems

September 29, 2017: Alvis Lisenbee – SDSM&T – Structure Contour Map on the Niobrara for the Black Hills – Chadron Arch – Hartville Uplift Join Area

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

September 22, 2017: Brett Edwards / Amber Krummel – Relevant / CSU – A Downhole Nanofluidity Solution to Oil Field Problems

October 27, 2017: Joe Nicholas – FDL Energy

November 17, 2017: Justin Boltz – Gyrodata Incorporated





Society of Petroleum Engineers



## Wyoming Petroleum Section September 2017 Newsletter

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



When: Friday, September 22, 2017  
Where: Black Gold Grille  
Time: 11:15 AM (\$13.00 for buffet lunch)

Please notify Dave Chase at 261-7685 by noon on Tuesday, September 19, 2017 if you plan to attend. Please utilize this service so that we can give the Black Gold Grill an accurate headcount.

### **Event: Brett Edwards / Amber Krummel – Relevant / CSU – A Downhole Nanofluidity Solution to Oil Field Problems**



#### **Biography:**

Brett Edwards is the CEO and President of Revelant. He is an international petroleum geoscientist with 30 years of diverse international experience in technologically advanced petroleum exploration and systematic risk analysis process for companies such as: PEMEX, Shell, Pioneer and Apache. He received his BSc in Mathematics & Geophysics at the University of Sydney, Australia; Honors (Masters) in Geology at the University of Sydney, Australia; and his Executive MBA at Colorado State University, USA.

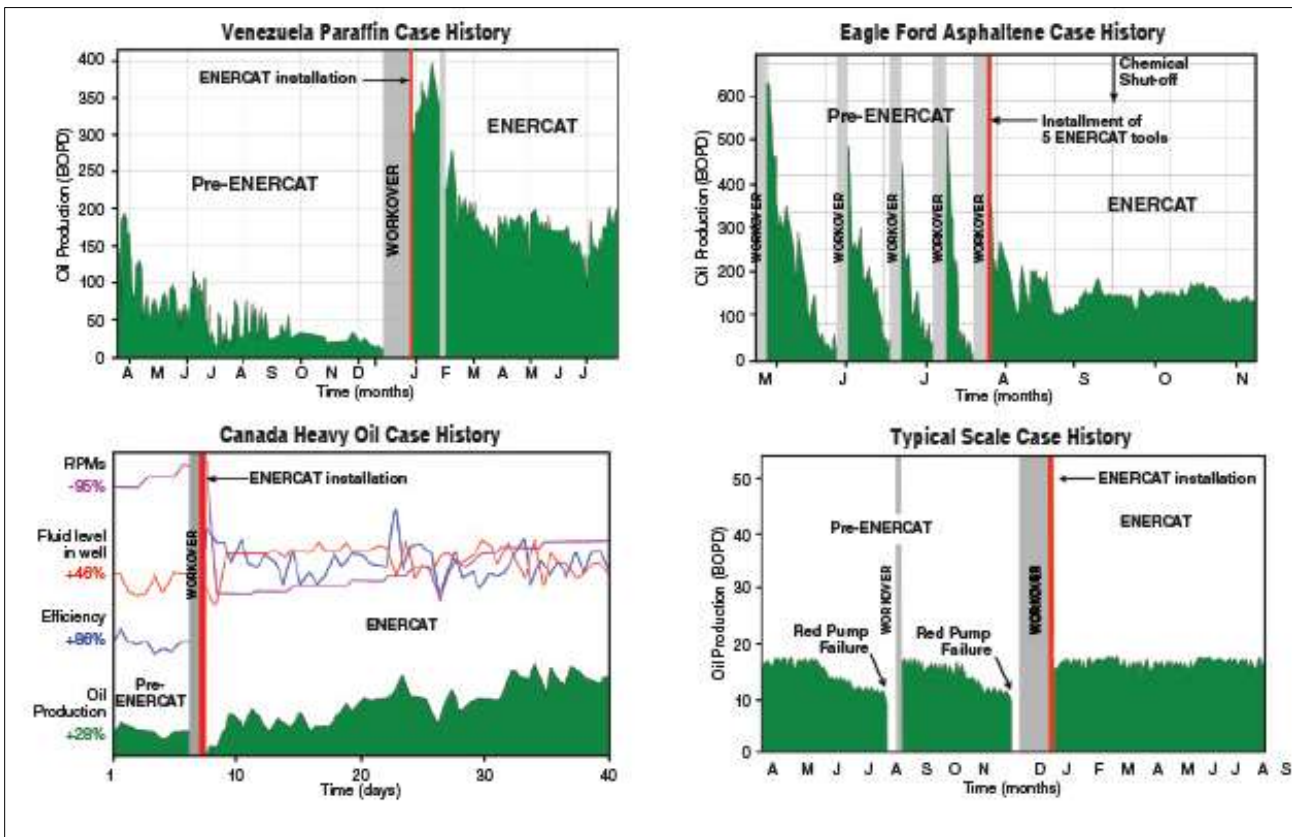


Amber Krummel is a Professor in the Chemistry Department at Colorado State University and Revelant's Chief Technology Officer. She focuses her research on probing chemical structure and dynamics in the condensed phase and has built a research facility at Colorado State University that allow molecules to be studied in bulk solutions, at interfaces, and under flow conditions. She has been awarded a National Science Foundation CAREER award for early career investigators and was named as an Alfred P. Sloan Research Fellow. She received her Ph.D. in Physical Chemistry at the University of Wisconsin—Madison and was a Harvard Postdoctoral Fellow.



**Abstract:**

Colorado State University (CSU), in partnership with Revelant, is leading R&D efforts into the nanofluidity frontier of oil under the supervision of Amber Krummel, professor of chemistry and director of the Krummel Research Group. The partnership is studying Revelant's Enercat tool and its effects on downhole paraffin, asphaltene, scale, heavy oil and EOR, and on surface crude oil emulsions and injection water through field studies with WY oil & gas companies. The Enercat tool harnesses physics to optimize the properties of produced fluids at a molecular level. This results in stabilized production, decreased asphaltene, paraffin and scale depositions and viscosity. Operating expenses decrease while revenues increase. The Enercat does the same thing chemicals and hot oil do, that of preventing asphaltene, paraffin and scale from shutting down production, but does it more simply and inexpensively.



*Paraffin, asphaltene, scale and heavy oil case history graphs show stabilization and increased production at the end of standard workovers after installing the Enercat™ downhole tool from Revelant Nanofluidity Technology.*



## 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>**

Continuing Education SPE Board position available next year, please contact a current SPE Board member if interested



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

**BLACK GOLD GRILLE  
1650 ENGLISH AVENUE  
CASPER**



**SPE Casper Chapter awarded 14 scholarships this year – thank you for your continued support**



**\*\*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*



Enhanced Oil  
Recovery Institute

*State of Wyoming*

Oil and Gas Commission, Industry Meeting

**September 13, 2017**

WYOMING  
OIL & GAS  
EST. FAIR 1996

September 12th - 14th, 2017 at Casper Event Center  
In beautiful **Casper, Wyoming**



# 2017 PumpJack PETE Golf Tournament



## Oil and Gas Professional:

After a brief hiatus, the PumpJack PETE Golf Tournament is back! Presented by the UW SPE and AADE student chapters, the tournament will be held at Three Crowns Golf Club on Friday, September 15th, 2017. Through your generous support, this event will allow UW petroleum engineering students to attend national conventions, local chapter meetings, technical seminars, as well as pay for student certifications. It is our goal that through this tournament, we will be able to fund all our activities throughout the academic year.

In previous years, PumpJack PETE's has been a tremendous hit with students and industry professionals alike. Driving range practice and player registration will start at 10:30am with the four-player scramble beginning at 12:30pm. After an afternoon of golf, a banquet reception with dinner, prizes and a silent auction will follow.

The tournament is conveniently held following the Wyoming Oil & Gas Fair in Casper and before our Cowboys face the Oregon Ducks at War Memorial Stadium.

<i>Event</i>	<i>Date</i>	<i>Location</i>
Wyoming Oil & Gas Fair	<b>Sept. 12-14</b>	Casper Events Center Casper, WY
PumpJack PETE Tournament	<b>Sept. 15</b> Registration & Driving Range Practice: <u>10:30-12:00pm</u> Golf: <u>12:30-5:30pm</u> Banquet & Awards Ceremony: <u>5:30-7:30pm</u>	Three Crowns Golf Casper, WY
Wyoming vs. Oregon	<b>Sept. 16</b>	War Memorial Stadium Laramie, WY

We will be giving out golf shirts so please remember to specify your size with registration. We encourage you to sponsor or leave space for a student on your team. This is a great opportunity for students to get some time with industry professionals - it's your way of meeting UW students who will benefit from your generosity.

For questions or concerns, please contact

Jon McGregor  
Tournament Chair  
(307) 761-9739  
[jmcgreg2@uwyo.edu](mailto:jmcgreg2@uwyo.edu)

Ian Johnson  
Tournament Chair  
(303) 746-1180  
[ijohnso4@uwyo.edu](mailto:ijohnso4@uwyo.edu)



# 2017 PumpJack PETE Golf Tournament



## Sponsorship Options

### Diamond

- **\$4000 Donation – 1 available**
- Named sponsor of tournament (ie. "2017 PumpJack PETE Golf Tournament sponsored by COMPANY")
- Registration of 8 company reps for golf & dinner
- Company logo on tournament golf shirt
- Opportunity to address audience at podium during banquet dinner
- 3 tee box signs
- Recognition on personal 3x6 banner & tournament banner

### Gold

- **\$2000 Donation – 2 available**
- Registration of 4 company reps for golf & dinner
- Company logo on tournament hat
- 2 tee box signs
- Recognition on tournament banner

### Silver

- **\$1000 Donation**
- Registration of 2 company reps for golf & dinner
- 1 tee box sign
- Recognition on tournament banner

### Bronze

- **\$500 Donation**
- Recognition on tournament banner

### Beverage Tent Sponsor

- **Cover costs of nonalcoholic & alcoholic beverages**
- Recognition on tournament banner

*\*Sponsorship level of door prize donors will be determined by item's value*





## 2017 PumpJack PETE Golf Tournament Registration Form

\$700.00 Per Team - Fee Includes Carts, Green Fees, Golf Shirt, Gift Bag, Food & Drinks on Course & Dinner

**SPACE LIMITED: ALL ENTRIES "FIRST-COME" - "FIRST-SERVED"**

### TEAM CONTACTS

NAME		\$175.00			\$175.00
COMPANY		SHIRT SIZE		NAME	SHIRT SIZE
EMAIL:				COMPANY	
PHONE:				EMAIL:	
NAME		\$175.00		PHONE:	
COMPANY		SHIRT SIZE		NAME	\$175.00
EMAIL:				COMPANY	
PHONE:				EMAIL:	
				PHONE:	
<p>You may sponsor a student for \$175/student. If you would like a student on your team indicate the number of students here:                  Any blank spaces will be filled by a student</p> <p><b>Completed registration forms can be e-mailed to <a href="mailto:jmgreg2@uwyo.edu">jmgreg2@uwyo.edu</a> or sent with payment.</b></p>					<b>TOTAL \$</b>

NOTE: Confirmation and Invoices will be sent to Sponsor Contact via Email Only. Please Print Email Address Clearly

**Make checks payable to: University of Wyoming Foundation**  
**Please include UW SPE in the memo portion of the check**

UW Foundation is a non-profit organization under Sec. 501(c)(3) of the Internal Revenue Code.

**PLEASE MAIL CHECK PAYMENT TO:**

**ATTN: UW S.P.E. - Dept. 3295, 1000 E. University Ave. - Laramie, WY 82071**

