

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/>

2020-2021 Wyoming Petroleum Section				
Section Chairman	Dave Chase	BLM	261-7685	dchase@blm.gov
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Membership Chair	Sabrina Hamner	WOGCC	234-7147	sabrina.hamner@wyo.gov

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The Nicholas Family





UPCOMING AREA MEETINGS

WYOMING GEOLOGICAL ASSOCIATION –

All meetings for **May** will be **virtual**. WGA is possibly returning to in-person meetings, so please look for any updates regarding meeting status. If you would like to attend any of these talks, please RSVP to wygeology@gmail.com by Thursday before the talk to receive the meeting information.

May 7, 2021 (SPE): David Granum – ConocoPhillips – *Sulfur Recovery in Oil and Gas Treating*

May 14, 2021: Brandon McElroy – University of Wyoming – *Topic TBD*

May 21, 2021: Seth Sorensen – American Fossil-Real Fossil Dig – *Topic TBD*

May 28, 2021: No Talk – Happy Memorial Day Weekend!!



UPCOMING MONTHLY PRESENTATIONS FOR THE SPE WYOMING PETROLEUM SECTION

[May 7, 2021 – David Granum – ConocoPhillips – Sulfur Recovery in Oil and Gas Treating](#)

[June 7, 2021 \(11:30 am\) – SPE DL – Kyle Haustveit - Making Decisions Using Completions Diagnostic Tools in Unconventional Reservoirs](#)

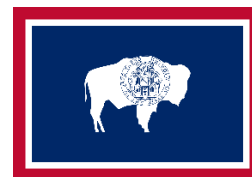
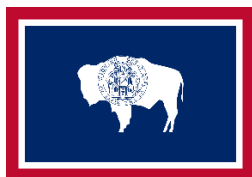




Society of Petroleum Engineers

Wyoming Petroleum Section May 2021 Newsletter

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



When: **May 7, 2021**
Where: **VIRTUAL MEETING**
Time: **12:00 PM**

RSVP to
wygeology@gmail.com
for meeting link



Event: **David Granum – ConocoPhillips – Sulfur Recovery in Oil and Gas Treating**

BIOGRAPHY:

David Granum is currently a Senior Process Engineer at the ConocoPhillips Lost Cabin Gas Plant. Prior to his current role, he worked for 2 years as a Process Engineer in specialty chemical/pharmaceutical manufacturing at Cody Laboratories, and for 3 years as a Process Engineer at the Sinclair Wyoming Refining Company. He received BS degrees in Chemical Engineering and Chemistry from the University of Wyoming in 2011, and an MS degree in Chemical Engineering from the Colorado School of Mines in 2013.



ABSTRACT:

Crude oil and many natural gas reserves contain sulfur compounds that must be removed to meet safety and environmental requirements. Typically, refineries and sour gas processing facilities contain treatment units that remove various sulfur containing compounds from hydrocarbons and sulfur recovery units (SRUs) for converting these compounds to elemental sulfur. In this presentation, a general review of SRU requirements and design will be given, as well as discussion on commercial uses for the recovered sulfur. An overview will also be given on the sulfur recovery operations at the Lost Cabin Gas Plant that processes gas from the Madden Deep Field near Lysite, WY.

JUNE DISTINGUISHED LECTURER

When: **June 7, 2021**

Where: **VIRTUAL MEETING**

Time: 11:30 AM

Register at

https://pubs.spe.org/en/dl/list/?_ga=2.134279031.784625587.1619640059-1399343005.1609967862

for meeting link



Event: Kyle Haustveit - Making Decisions Using Completions Diagnostic Tools in Unconventional Reservoirs

BIOGRAPHY:

Kyle Haustveit professional engineer registered in the state of Oklahoma. He is a completions engineer in a centralized subsurface group at Devon Energy. Kyle is focused on completions design, fracture modeling and diagnostic program design and interpretation. Kyle is a graduate from Montana Tech with a bachelor's degree in Petroleum Engineering. He has authored multiple technical papers and filed multiple patents related to offset pressure monitoring during hydraulic stimulation. Kyle is currently serving on the SPE Completions Advisory Committee, the Hydraulic Fracturing Technical Conference committee, Intelligent Wells committee and the Well Completions for Unconventional Resource Development committee.



ABSTRACT:

Properly defining the question and associated value in the answer is the first step in designing a diagnostic program. This presentation will focus on the use of diagnostic tools to characterized fractures created in hydraulically stimulated reservoirs, focusing on fracture height. The performance of hydraulically stimulated horizontal wells in unconventional reservoirs depends largely on the quality of the completion. When developing an unconventional field with horizontal, hydraulically stimulated wells, proper characterization of fracture geometry can yield a more economic field development strategy in well spacing and completion design. The size of the fractures created directly impacts the spacing between wells and the number of wells required to economically produce the resource in place. Completion costs commonly account for more than 50% of the total well cost in horizontal, unconventional wells. In developments with tens to hundreds of wells planned, small improvements in completions design can yield massive value additions to a program. The earlier the performance drivers are identified and the uncertainty in the range of outcomes is minimized, the sooner optimal field development can take place. This presentation will outline the process of defining the question, assigning value to the answer and review available diagnostics. The presentation will cover a case study focused on evaluating fracture height using fiber optic strain monitoring, and two forms of offset pressure monitoring to reduce the uncertainty in the well count in a stacked pay development.

One take away: before we select the diagnostic tool(s) we plan to employ, we must first define the question we are trying to answer to ensure the value of the answer exceeds the cost of the diagnostic.



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 has sent out letters requesting scholarship sponsors for the 2021 year. 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
FOR NOW BUT STAY TUNED
FOR FURTHER
INFORMATION!!**

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

UPCOMING OPPORTUNITIES

The Gene R. George Golf Tournament is scheduled for June 18, 2021. The following pages have the registration and sponsorship forms to fill out. Please consider attending to support a great cause.



10th Annual Gene R. George Memorial Golf Tournament

Friday, June 18, 2021, 1:00 PM
Three Crowns Golf Course
Casper, Wyoming



Tournament Format

- Registration begins at 11:30 am, Shotgun start at 1:00 pm
- 4 Man Team Scramble, individual registrations welcome!*
- Scores will be adjusted for handicap
- "To go" lunch served during registration
- Hors d'oeuvres and award ceremony after golf

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

Tournament Costs/Extras

Early Bird Entry fee (before 06/04/21)	Full Price Entry fee (after 06/04/21):
\$112 per person	\$125 per person

- Team mulligans and 'throw the ball' available for purchase at registration
 - \$10/per person, Max 2 of each
- Hole prizes (longest drive, longest putt, etc), raffle prizes and silent auction
- The infamous Rock Hammer putter – all players must use this on #9.
- Please pay upon registration. Please make all payments to the WGA
 - Contact Brandy in the office @ (307) 237-0027 for credit card orders and other payment options).
- All proceeds go directly to SME, SPE, WGA and WAPL scholarships to support our future scientists!

Team Name**: _____

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

Player 1: _____ Handicap: _____

Player 2: _____ Handicap: _____

Player 3: _____ Handicap: _____

Player 4: _____ Handicap: _____

All entries due by 5:00 pm, June 16, 2021.

Please email completed forms to genegeorge.golf@gmail.com

or snail mail completed forms to WGA, P.O. Box 545, Casper, WY 82602.

General information:

- Email - genegeorge.golf@gmail.com
- Phone - Graeme Finley: 307-247-1454 or Dayton Lewis: 307-267-6828





10th Annual Gene R. George
 Memorial Golf Tournament
 Friday, June 18, 2021, 1:00 PM
 Three Crowns Golf Course
 Casper, Wyoming



Sponsorship Types

- **___ Hole Sponsor - \$250**
 - Sign at hole (Max 2 sponsors per hole)
- **___ Pin Prize - \$200**
 - Sign at hole (Max 1 sponsor per hole, covers prizes for longest drive, etc.)
- **___ Driving Range - \$150**
 - Sign at Driving Range
- **___ General Support - \$___**
 - Covers general costs such as food, drink tickets, door prizes, etc.
- **___ Additional Donation to Scholarships - \$___**
 - If you'd like to contribute directly to scholarships in addition to your sponsorship

All sponsors will be recognized through signage and announcements during the tournament. All proceeds go directly to SME, SPE, WGA and WAPL scholarships to support our future scientists!

Company Name: _____
 Please email high resolution logo to genegeorge.golf@gmail.com

Address: _____

Company Contact: _____

Phone Number: _____

Email Address: _____

Payment: Check #: _____ CC #: _____
 WGA Tax ID: 83-6060963 Payable to Wyoming Geological Association EXP: _____

Please email completed forms to genegeorge.golf@gmail.com
 or snail mail completed forms to WGA, P.O. Box 545, Casper, WY 82602.

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