

**Marron Bingle-Davis**  
**Geologist**  
**Sunshine Valley Petroleum Corporation**  
**Casper, Wyoming**



**Biography:** Marron is a geologist with Sunshine Valley Petroleum Corporation in Casper, Wyoming. She is originally from White Lake, Michigan and received her B.S. in geological sciences from Michigan State University in 2002. She received her M.S. and Ph.D., in 2005 and 2012, respectively, at the University of North Dakota focusing on Upper Cretaceous and Paleogene continental mollusks of North America and India. She also is an adjunct faculty member teaching geology at Casper College. Besides working and teaching, she likes to spend time with her husband, Mike (also a geologist), and her two kids, Alice and Everett, hiking and going to the movies.

**Sabrina Hamner**  
**Regulatory Petroleum Engineer**  
**Wyoming Oil & Gas Conservation Commission**  
**Casper, Wyoming**



**Biography:** Sabrina is currently a regulatory petroleum engineer with the Wyoming Oil and Gas Conservation Commission, working there since Summer of 2014. She graduated from Riverton High School in 2007, Laramie Wyoming, in 2011 (B.S. Energy Resource Science) and 2014 (B.S. Petroleum Engineering). She currently serves as membership chair on the local SPE board (with Marron and Julie) for the Central Wyoming Chapter of Society of Petroleum Engineers.

**Julie Cruse**  
**Drilling Engineer**  
**Wyoming Oil & Gas Conservation Commission**  
**Casper, Wyoming**



**Biography:** Julie Cruse is a drilling engineer who has spent years in a drilling engineering, training, and supervisory role, and possesses a well-rounded level of expertise as it relates to oil and gas well-design, well-bore path planning, measurement while drilling, logging, etc. She enjoys coaching softball in her spare time and has lived in Alaska, Wyoming, and Louisiana to name a few places, while also currently serving as the treasurer for the Central Wyoming Chapter of Petroleum Engineers.

*All of us enjoy sharing knowledge of our jobs and careers with the next generation of the oil and gas industry.*

**Workshop:** *The Life Cycle of An Oil and Gas Prospect* - This class will seek to gain an understanding of oil and gas activities from the start to the end of project life. The activities will commence with students breaking into groups (i.e. companies) to acquire leases to drill wells (students will bid against each other in an attempt to secure valuable acreage) in the exploratory phase of an oilfield. After obtaining a lease, the students will drill exploratory wells and pull core samples from cupcakes to determine where to drill next. Once a well is drilled and the reservoir presence determined, the well is then ready to complete,

with the student's oil and gas wells being fracture stimulated in a safe manner using maple syrup and jello! If the stimulation goes smoothly, students will produce the well, and finally, plug the well with cement (in our case, pancake mix). The first team to successfully lease, drill the acreage, complete the well, produce and finally plug, wins!