

Sabrina Hamner
Petroleum Engineer
Wyoming Oil and Gas Conservation Commission
Casper, Wyoming



Biography: Sabrina Hamner is a Petroleum Engineer with the Wyoming Oil and Gas Conservation Commission. Her Secondary Education began at Central Wyoming College where she earned an A.S in Pre-Engineering and completed at the University of Wyoming where she obtained two B.S. degrees, the first in Energy Resource Science (Fall of 2011) and the second in Petroleum Engineering (Spring of 2014) with a minor in Geology. She has worked on multiple projects in the oil and gas industry during her college years, including a two-year working internship study with the former Director of the Enhanced Oil Recovery Institute from 2012 through 2014, researching the regulatory UIC programs, both state and federal, specifically geared to the relationship between EPA Class VI well classification vs. State Class II injection wells operating under secondary and tertiary units, as well as wellbore construction requirements.

She has completed (4) internships with EnCana Oil and Gas which ranged from reservoir engineering analyses and recommendation of potential entry into the Eagle Ford Shale in West Texas, to water management practices and chemical optimization at the Moneta Divide Field west of Casper, to plunger lift optimization in the Jonah Field southeast of Pinedale Wyoming, to finally Frac Water Sourcing / Completions in the Haynesville Shale in Northern Louisiana.

Post-graduation, Sabrina took a full-time job with the Wyoming Oil and Gas Commission in the summer of 2014 and continues to work with the Agency covering a multitude of roles, ranging from APD processing and approvals of the new drilled wells in Wyoming, to sundry processing (frac stimulations, well pluggings, etc) as they relate to compliance with Agency rules, while also acting as hearing Examiner, presiding over non-contested drilling and spacing unit creation, infill well programs, downhole and surface commingling approvals and forced pooling applications, etc. She also serves as engineering support for the Commission's regulation of Class II UIC wells within the state.

Sabrina grew up in Riverton, Wyoming and currently serves as Membership Chair of the Wyoming Petroleum Section of the local SPE Chapter. She lives in Casper with her husband Alan and their two rescue dogs, Steamboat the Great Dane/Mastiff and Nukka, the Alaskan Husky.

**Marron Bingle Davis
Petroleum 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 the sedimentology and stratigraphy of the North American Western Interior and the Deccan Province of India. While at North Dakota, Marron worked for the North Dakota Geological Survey, published several papers on sedimentology, stratigraphy of the Williston Basin and Paleontology. Her current efforts are on petroleum systems in the Powder River Basin. She has served on the boards of the Wyoming Geological Association, Society

of Petroleum Engineers, Petroleum Association of Wyoming, American Association of Petroleum Geologists, and the Tate Geological Museum. Marron was the recipient of the Outstanding Young Professional Award in 2016 and the Frank A. Morgan Award for contributions and fulfillment of the promotion of the science of Geology in 2018. She actively volunteers as a Girl Scout Troop Leader, the Science Zone in Casper, Gold Prospectors Association of America, and many other causes.

Workshop: *Edible Exploration* - Students will get to play the role of exploration geologists and petroleum engineers as they undertake locating oil and gas fields by taking core samples out of cupcakes! Based on the results of the cupcake experiments - students will learn to interpret the results and build cross-sections that represent different reservoirs. After locating the oil "traps" and mapping formations, we will show students how to delineate the field, drill, fracture stimulate the wells (using jello and syrup), and produce the field utilizing different artificial lift mechanisms.