Wyoming Oil & Gas Fair

Enhanced Oil Recovery Institute

22nd Annual Event

September 11-12th
at
Casper Events Center
Casper, Wyoming
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Welcome to the 2019 Wyoming Oil and Gas Fair/Enhanced Oil Recovery Institute Joint Conference.

We find ourselves at the third year of our combined efforts to bring relevant information, ideas, products, and opportunities to the Oil and Gas Industry of Wyoming.

This year, we’re proud to have the only person in Wyoming history to have been Speaker of the House and President of the Senate as our Opening Keynote speaker. We are of course referring to Senator Eli Bebout. Chairman Bebout will also moderate the ever-popular Legislative Leadership Panel discussion. The Leadership Panel gives WOGF/EORI attendees the opportunity to listen and participate in a discussion of industry topics with some of Wyoming’s most influential elected officials.

We’re fortunate to have several speakers and presenters from all facets of the energy industry and hope you’ll partake in some of the many different topics and updates.

As you wander among the many vendor booths on the main level of the Casper Events Center, we ask you to reach out and support local and statewide companies by engaging with them to learn about their products and services.

Please enjoy breakfast on Wednesday, sponsored by Dale Fastener Supply and Thursday, sponsored by Reagan Smith Energy Solutions, Inc., take a moment to grab a cup of coffee or bottled water, courtesy of ExxonMobil, and enjoy some networking time at our annual event. On Wednesday, please thank Encore Green Environmental and the Center for Excellence in Produced Water Management for providing a wonderful lunch.

As in years past, on Wednesday night, please join us for the industry reception at the ever-popular Beacon Club – thanks to Rocky Mountain Industrial Supply (RMI) - enjoy food, fun, and door prizes, sponsored in part by Crowley Fleck.

We don’t want to miss thanking our many speakers and presenters, as well as our guests – the Oil and Gas folks of Wyoming, working hard to improve our economy.

The teams from the Wyoming Oil and Gas Fair, and the Enhanced Oil Recovery Institute (EORI) want to thank all of you for your continued support of our combined annual conference. We hope you enjoy the event.

*Thanks again for visiting us in 2019.*

2019 Event Planning Committee
## DAY I  
**WEDNESDAY, SEPTEMBER 11**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Sponsor</th>
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<tr>
<td>7:00 - 9:30 am</td>
<td><strong>BREAKFAST</strong></td>
<td>Sponsored by Dale Fastener Supply</td>
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<tr>
<td>8:30 - 8:35 am</td>
<td>Dr. Steven Carpenter</td>
<td>Welcome</td>
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<tr>
<td>8:35 - 8:45 am</td>
<td>John Harpole</td>
<td>Opening Remarks</td>
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<tr>
<td>8:45 - 9:05 am</td>
<td>Chairman Eli Bebout</td>
<td>Opening Keynote</td>
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<tr>
<td>9:10 - 9:30 am</td>
<td>Jenifer Scoggin</td>
<td>Director, Office of State Lands</td>
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<td>9:30 - 10:30 am</td>
<td><strong>Legislative Leadership Panel:</strong></td>
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<td>President of the Senate, Drew Perkins</td>
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<td>Speaker of the House, Steve Harshman</td>
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<td>Senate Majority Floor Leader, Dan Tockstader</td>
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<td>House Majority Floor Leader, Eric Barlow</td>
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<td>Chairman of Senate Appropriations Committee, Eli Bebout</td>
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<td>Chairman of House Appropriations Committee, Bob Nicholas</td>
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<td>Chairman of Senate Minerals Committee, Jim Anderson</td>
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<tr>
<td>10:30 am - 11:00 am</td>
<td><strong>BREAK</strong></td>
<td>Sponsored by ExxonMobil</td>
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<tr>
<td>11:00 am - 11:30 am</td>
<td>Jacob Jin</td>
<td>ULTIRecovery Corporation</td>
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<tr>
<td>11:30 am - Noon</td>
<td>Mark Watson</td>
<td>Supervisor, Wyoming Oil &amp; Gas Conservation Commission</td>
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<tr>
<td>Noon to 1:30pm</td>
<td><strong>LUNCH</strong></td>
<td>Sponsored by Encore Green Environmental &amp; Center of Excellence in Produced Water Production</td>
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<tr>
<td>1:30 - 2:00 pm</td>
<td>Bryan Hassler</td>
<td>Executive Director, Wyoming Pipeline Authority</td>
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<td>2:00 - 2:30 pm</td>
<td>Abigail Thurston</td>
<td>ExxonMobil</td>
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<tr>
<td>2:30 - 3:00 pm</td>
<td>Andy Finley</td>
<td>Goolsby, Finley and Associates</td>
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<tr>
<td>3:00 - 3:30 pm</td>
<td><strong>BREAK</strong></td>
<td>Sponsored by ExxonMobil</td>
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<tr>
<td>3:30 - 4:00 pm</td>
<td>John Harpole</td>
<td>Mercatur Energy</td>
</tr>
<tr>
<td>4:00 - 4:30 pm</td>
<td>Marvin Nash / Dr. Jonathan Brant</td>
<td>Encore Green Environmental / Center of Excellence for Produced Water Management at the University of Wyoming</td>
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<tr>
<td>5:00 - 7:00 pm</td>
<td>Reception at Beacon Club</td>
<td>Sponsored by Rocky Mountain Industrial Supply</td>
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2019 AGENDA
SEPTEMBER 11-12
AT THE CASPER EVENTS CENTER

DAN 2
THURSDAY, SEPTEMBER 12

8:00 - 9:00 am
BREAKEAST
Sponsored by Reagan Smith Energy Solutions, Inc.

Track 1
Bridger Trail Room

8:30 - 9:05 am
Andy Finley
Leo Giangiacomo

9:05 - 10:15 am

10:10 - 11:40 am
Leo Giangiacomo
Andy Finley

11:10 am - Noon

Track 2
Oregon Trail Room

8:30 - 9:15 am
Jake DeHamer
EORI Award: DOE-FOA 1829

9:30 - 10:15 am
Aaron Otteman
EORI Award: DOE-FOA 1990

10:20 - 11:05 am
Dr. Steven Carpenter
45Q-CO, Update

11:10 am - Noon
Nick Jones
An overview of CO2 EOR in Wyoming

Noon - 1:30 pm
LUNCH

1:30 - 2:50 pm
Andy Finley
Leo Giangiacomo

2:20 - 3:05 pm
Nick Luhatsky
Potassium Silicate as a Clay and Shale Stabilizer

3:00 - 4:20 pm
Leo Giangiacomo
Andy Finley

3:10 - 3:55 pm
Bret Carlson & Nitish Singh
Reducing Electric Costs through Energy Efficiency

4:00 - 4:30 pm
EORI 2018 Cost Share Report

Thanks for Attending the 2019 Wyoming Oil and Gas Fair/Enhanced Oil Recovery Institute Joint Conference

For info go to: wyogasfair.org or eoriwyoming.org
Event Sponsors

Encore Green

Reagan Smith Energy Solutions, Inc.

RMI

Dale Fastener Supply

University of Wyoming Center of Excellence in Produced Water Management
Parking, Arena and Concourse

Lots 9 & 11 Parking

Use SE Entrance

Meals, Snacks & Refreshments

2nd Level: Speakers & Presentations

Entrance

EORI Booth
Day 1 - Second Floor

WEDNESDAY, SEPT. 11, 2019
Day 2 - Second Floor

THURSDAY, SEPTEMBER 12, 2019
Senator Eli Bebout

of the Great State of Wyoming

Keynote Speaker

Senator Eli Bebout is a veteran Wyoming politician and a member of the Wyoming State Senate. He represents District 26 from Riverton, in Fremont County.

Senator Eli Bebout is finishing his 12th legislative session in the Senate after 14 years in the House. He has also served as Speaker of the House and was a Republican nominee for Governor.

Bebout recently served as Senate President making him the only person to be both Speaker of the House and Senate President. For the second time in his career he is serving as the Senate Appropriations Chairman.

Senator Eli Bebout has served on the Agriculture, State and Public Lands & Water Resources Committee and the Minerals Committee.

He is president of Nucor Oil and Gas, Inc., in Riverton and is chairman of the Wyoming Business Alliance and the Wyoming Heritage Foundation. He is also a member of the National Republican Legislators Association.
Legislative Panel

Senator Drew Perkins
President of the Senate
Republican, Senate District 29, Natrona County

- 2019-Management Council
- 2019-Senate Rules & Procedures
- 2019-Government Efficiency Commission
- 2019-Select Committee on Capital Financing & Investments
- 2019-Management Audit Committee
- 2019-Capitol Building Restoration Oversight Group
- 2019-Economically Needed Diversity Options for Wyoming (ENDOW) Executive Council
- 2019-Energy Council
- 2019-Enhanced and Improved Oil Recovery Commission
- 2019-CSG West - Executive Committee

Representative Steve Harshman
Speaker of the House
Republican, House District 37, Natrona County

- 2019-Management Council
- 2019-Capitol Building Restoration Oversight Group
- 2019-Select Committee on Capital Financing & Investments
- 2019-Select Committee on School Facilities
- 2019-Wyoming's Tomorrow Task Force
- 2019-Casper State Office Building Advisory Task Force
- 2019-Economically Needed Diversity Options for Wyoming (ENDOW) Executive Council
- 2019-CSG West - Executive Committee

Senator Dan Dockstader
Senate Majority Floor Leader
Republican, Senate District 16, Lincoln, Sublette, Teton Counties

- 2019-Management Council
- 2019-Senate Rules & Procedures
- 2019-Capitol Building Restoration Oversight Group
- 2019-Joint Legislative and Executive Task Force on Department of Health Facilities
- 2019-Select Water Committee
- 2019-Broadband Advisory Council
- 2019-Energy Council
- 2019-Legislative Artwork Donation Program Committee
- 2019-CSG National - Intergovernmental Affairs
- 2019-CSG West - Energy
Representative Eric Barlow
House Majority Floor Leader
Republican, House District 03, Campbell, Converse Counties

- 2019-Management Audit Committee
- 2019-Management Council
- 2019-House Labor, Health & Social Services
- 2019-Capitol Building Restoration Oversight Group
- 2019-NCSL - Task Force on Innovations in State Health Systems
- 2019-CSG West - Executive Committee

Senator Eli Bebout
Republican, Senate District 26, Fremont County

- 2019-Senate Appropriations Chairman
- 2019-Air Transportation Liaison Committee
- 2019-Capitol Building Restoration Oversight Group
- 2019-Opioid Addiction Task Force
- 2019-Capitol Building Restoration Oversight Group
- 2019-Select Committee on School Facilities
- 2019-Energy Council

Representative Bob Nicholas
Republican, House District 08, Laramie County

- 2019-House Appropriations Chairman
- 2019-Capitol Building Restoration Oversight Group
- 2019-Joint Legislative and Executive Task Force on Department of Health Facilities
- 2019-Select Committee on Capital Financing & Investments
- 2019-Financial Advisory Council
- 2019-Investment Funds Committee
- 2019-State Employee Compensation Commission
- 2019-Task Force on University of Wyoming Housing
- 2019-NCSL - Budgets and Revenue
- 2019-CSG West - Economic Development
Senator Jim Anderson
Republican, Senate District 28, Natrona County

- 2019-Senate Minerals, Business & Economic Development Chairman
- 2019-Senate Transportation, Highways & Military Affairs
- 2019-Casper State Office Building Advisory Task Force
- 2019-Economically Needed Diversity Options for Wyoming (ENDOW) Executive Council
- 2019-Energy Council
- 2019-Interstate Compact on Students of Military Families
- 2019-UW Energy Resource Council
- 2019-CSG West - Energy
FEATURED SPEAKERS & PRESENTERS

Dr. Jonathan Brant
Center of Excellence for Produced Water Management, University of Wyoming

Biography:
Dr. Jonathan A. Brant works with the Center of Excellence for Produced Water Management at the University of Wyoming. He earned his Ph.D. in Environmental Engineering from the University of Nevada, Reno in 2003. Some of his professional affiliations include the American Society of Civil Engineers (ASCE), American Water Works Association, North American Membrane Society, Water Environment Federation and Association of Environmental Engineering and Science Professors. His work has been published in many professional journals.

Bret Carlson
Energy Resources Integration
"Reducing Electric Costs through Energy Efficiency"

Biography:
Bret Carlson grew up in Salt Lake City, UT where he attained a bachelor’s degree in history from University of Utah. His entrepreneurial ambitions and love for hunting and fly fishing led him to purchase his family’s guide service in Northern Utah to pursue these passions. For ten years, Bret guided business executives and professional athletes from around the country down the famed waters of Utah and Wyoming’s Green River. Bret has co-authored and been featured in several industry leading books, magazines, national journal’s.

After a fulfilled career pursuing these passions, Bret established himself in the energy sector, drilling several hundred oil and gas wells throughout Northern Utah and Southwest Wyoming. Today, he works for Energy Resources Integration out of Salt Lake City where he manages Rocky Mountain Power’s resource extraction energy efficiency program. Bret has spent the past 8 years working with key customers in the oil, gas, and mining industries to improve operational performance and increase profitability through energy efficiency.
Dr. Steven M. Carpenter  
Director, Enhanced Oil Recovery Institute  
Opening Remarks & 45Q-CO\textsubscript{2} update

Biography:
Dr. Carpenter is a seasoned executive with 30 years of experience in the international energy and mining industry. He is an internationally recognized Subject Matter Expert on Enhanced Oil Recovery (EOR), climate change, carbon, and risk management issues. Dr. Carpenter’s clientele include numerous confidential commercial clients, DOE, DOD, USAID, USTDA, Canadian Standards Association, International Standards Organization (ISO), the Interstate Oil & Gas Compact Commission (IOGCC), the Energy Mineral Law Foundation (EMLF), the Southern States Energy Board (SSEB), World Bank/International Finance Corporation, Western Governor’s Association, and the Countries of Canada, China, Malawi, Mexico, Norway, Pakistan, and Turkey. His work includes technical assessment, public policy, legal and regulatory issues, training and education, and is a sought after public speaker.

Jake DeHamer  
Director of Exploitation, Fleur de Lis Energy, LLC  
The EORI Award: DOE-FOA 1829 “Developing CO2-EOR and Associated Storage within the Residual Oil Zone Fairways of the Powder River Basin, Wyoming” with Fleur De Lis Energy

Biography:
Jake DeHamer is the Director of Exploitation for Fleur de Lis Energy, LLC in Dallas, Texas. A geologist by background, Mr. DeHamer has an extensive history in developing oil and gas basins in the Rocky Mountains region. During his time at Fleur de Lis, Mr. DeHamer served as the Sr. Geologist, A&D, and the lead geologist for the company’s EOR assets in Wyoming. Prior to Fleur de Lis, Mr. DeHamer worked the Rockies for Cascade Petroleum LLC, Newfield Exploration, and Wolverine Gas and Oil. Mr. DeHamer graduated with BS in Geology from Calvin College and MS in Applied Geology from Louisiana State University.
Andy Finley  
Geologist and Owner, Goolsby, Finley and Associates, LLC  
“Developments in Unconventional Resource Technology”

Biography:
Andy received a B.Sc. in Geology from the University of Illinois in 1990 and a M.Sc. in Geology and Geophysics from the University of Wyoming in 1992. He is a certified Professional Geologist in the State of Wyoming (PG #2806), a member of the Society of Petroleum Engineers, and of the Society of Petroleum Evaluation Engineers. Andy’s career has focused on all aspects of petroleum geology, including extensive experience in the marketing of prospects and properties, and performing evaluations of oil and gas properties for sales, purchases and estate tax assessments.

Leo Giangiacomo  
President of Extreme Petroleum Technology, Inc  
“Developments in Unconventional Resource Technology”

Biography:
Leo works on development of new technology and reservoir descriptions to match the appropriate technology to the individual reservoir. He also does horizontal well completion designs, reserves, valuations, and acquisitions work, as well as providing expert witness testimony in oil and gas legal matters, and strategic guidance for oil and gas investors. Some of his projects included developing an early CO2 flood in South Louisiana, implementing steam injection in a naturally fractured light oil reservoir, developing completions for development of tight gas in the Piceance Basin and developing tight oil projects in Kazakhstan. He has authored numerous articles for SPE, WGA, IADC, ASME, World Oil, Drilling Contractor, and American Oil and Gas Reporter. He publishes a weekly oil and gas industry newsletter, does a weekly radio program on oil and gas markets, and serves on the Technical Review Committee for SPE’s Reservoir Evaluation and Engineering and Journal of Canadian Petroleum Technology. He is the vice-Chairman for the Northern Rockies Society of Petroleum Evaluation Engineers and a Professional Engineer in the state of Wyoming.
John Harpole  
Owner and Founder, Mercator Energy  
Master of Ceremonies & Opening Remarks

Biography:
Mercator Energy LLC, located in Littleton, CO, has been providing a wide variety of energy services to western U.S. natural gas producers and end-users since 1993. John Harpole, Mercator’s founder and owner, managed natural gas purchasing requirements for General Electric facilities located throughout the United States during the late 1980’s and early 1990’s. That hands-on experience led to a comprehensive knowledge of natural gas interstate pipeline dynamics and regional pricing differentials. John has consented to be the emcee of our event, a task he has done very successfully for several years.

Bryan Hassler  
Executive Director, Wyoming Pipeline Authority

Biography:
Bryan Hassler grew up in Cheyenne, Wyoming where he graduated from East High School. After high school Bryan received both a BS and MS degree in Petroleum Engineering from the University of Wyoming. He spent his first two years out of college in Rock Springs chasing workover and drilling rigs for what was then Mountain Fuel Supply Company.

Fast forward 37 years; Bryan picked up an MBA along the way and has worked in nearly all facets of the energy industry including engineering, commodities marketing, finance, private equity, the electric utility and renewable energy sectors. He is particularly enamored with building and leading strong teams, and capturing hidden value. Some of the companies where Bryan has held leadership positions include: Barrett Resources, Pennaco Energy, EnCana, BP and Antero Resources, as well as Silverpeak, RBS Sempra Commodities, Xcel Energy, Societe Generale.
Jacob Jin
ULTRecovery Corporation
“Mature Field Revitalization and Unconventional EOR - Unlock Reservoir Value with Advanced Bio-Chemical Technology”

Biography:
Dr. Jacob Jin is the Chairman and CEO of ULTRecovery Corporation, which focuses on production enhancement and EOR in both conventional and unconventional reservoirs. ULTRecovery Corporation was formed based on the acquisition of intellectual properties from Glori Energy Inc. He has integrated industry, academic, management, and investment experience across Asia, America, and the Middle East. He worked at BP America, Weatherford, and Energy & Geoscience Institute at the University of Utah. He has published 20+ papers in peer-reviewed journals and SPE conferences. Dr. Jin holds a Ph.D. degree in Petroleum Engineering from the University of Oklahoma, and a B.S. in Petroleum Engineering from China University of Petroleum (East China).

Nick Jones
Senior Geologist, Enhanced Oil Recovery Institute
“An Overview of CO₂-EOR in Wyoming”

Biography:
Nick Jones has worked in water resources, mining and oil and gas throughout his nearly 20 year career. He has worked for the U.S. Geological Survey and the Wyoming State Geological Survey. Currently Nick works as a Senior Geologist for the Enhanced Oil Recovery Institute. He earned a B.A. in Journalism, a B.S. in Geology and later an M.S in Geology with a focus on sequence stratigraphy from the University of Wyoming.
**Nick Lahutsky**  
Drilling Engineer, Merit Energy Company  
“Potassium Silicate as a Clay and Shale Stabilizer”

**Biography:**
Nick Lahutsky joined the Oil and Gas industry to seek out opportunities to employ hands application of theoretical challenging concepts to create rewarding solutions. He currently is employed as a Drilling Engineer at Merit Energy Company based in his hometown of Dallas, TX. Nick graduated with ‘Magna Cum Laude’ honors with a B.S. in Petroleum Engineering From Texas A&M University in 2013. Prior to Merit Nick worked as a field engineer in the Williston Basin for EOG.

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**Marvin Nash**  
Encore Green Environmental

**Biography:**
Marvin Nash “once worked as a rodeo clown, galvanizing crowds in ill-fitting overalls and hiding in a barrel when the bulls charged. The performer with the Texas drawl spent his youth mucking stalls on ranches and years later cutting operations costs for oil and gas firms.”

While working as a consultant for EOG Resources, one of the largest oil and gas firms in Wyoming, Marvin became interested in water. Wyoming’s oil and gas companies produced 3.6 billion barrels of water from 2015 to 2016. Nash believes he has developed a way to turn the wastewater produced in oilfields into something that ranchers can use to irrigate their crops.

Conservation By-Design is a patent-pending process developed by Marvin Nash to transform industrial by-product water into renewable, beneficial-use water to apply to arid ground to accomplish multiple goals. More information can be found by visiting: https://www.encoregreenenvironmental.com
Aaron Otteman
Vice President of Geoscience & Engineering, Wold Energy Partners, LLC

The EORI Award: DOE-FOA 1990 “Unlocking the Tight Oil Reservoirs of the Powder River Basin, Wyoming” with Wold Energy Partners

Biography:
Aaron Otteman serves as Vice President of Geoscience and Engineering for Wold Energy Partners, LLC and is responsible for the Company’s geologic and exploration efforts. Between 2002 and 2009, Aaron worked in various roles for Exxon Mobil in Houston and subsequently a private Wyoming independent oil and gas producer. Aaron joined Wold Oil Properties in 2009. Among other ventures, he has worked the mid-Caspian basin, offshore Columbia, offshore California and in Corporate Business Analysis. He has worked many of the Rocky Mountain basins including but not limited to the Green River, Big Horn, Great Divide, Washakie, Hanna, and Powder River basins in Wyoming, and the Williston, Piceance, and Uinta basins outside of Wyoming. Mr. Otteman is a member of Aapg, Gsa, and Wga, and served on the Enhanced Oil Recovery Commission between March 2012 and March 2018. Mr. Otteman received a Bachelor’s degree in Geology from Northern Arizona University in Flagstaff and a Master’s degree in geology from the University of Wyoming.

Jenifer Scoggin
Director, Office of State Lands

Biography:
Jenifer Scoggin was appointed as Director of the Wyoming Office of State Lands and Investments in 2019, where she provides leadership to the agency and guides the overall management of state trust lands. Her duties as Director include serving as a member of the Wyoming Oil and Gas Conservation Commission. Prior to her appointment, Ms. Scoggin was a partner at Holland & Hart LLP, a Rocky Mountain regionally based law firm with approximately 470 attorneys across eight states, and Washington, DC. Based in the firm’s Cheyenne office, Ms. Scoggin advised clients in Wyoming on energy development projects, assisted companies with the complicated process of industrial siting, water rights, environmental permitting and compliance, agriculture and real estate issues. She routinely represented mining, oil and gas, renewable energy, construction and other companies on compliance and permitting with Wyoming state agencies. Ms. Scoggin also counseled lenders and developers on environmental aspects of financing commercial and industrial projects.

Before joining Holland & Hart in 2003, Ms. Scoggin served as an assistant Attorney General for the Wyoming Attorney General’s Office where she represented the Wyoming State Engineer’s Office in the Big Horn River General Adjudication. She also counseled the Wyoming State Engineer on water policy matters and general
water law and permitting issues.

Ms. Scoggin obtained her juris doctorate from the University of Wyoming in 1999. She also holds a master’s degree in journalism from the University of Arizona and a bachelor’s degree in exercise physiology from the University of Wyoming.

Nitish Singh
Energy Resources Integration, LLC
“Reducing Electric Costs through Energy Efficiency”

Biography:
Nitish Singh is a Senior Engineer at Energy Resources Integration, LLC. A graduate of Petroleum Engineering from University of Southern California, Mr. Singh has 6 years of experience in upstream O&G, working as a Production Engineer for Shell and Cairn Energy in India, Sri Lanka, Kazakhstan, and the USA. Mr. Singh has led research studies on thermal and chemical enhanced oil recovery as a part of USC Energy Institute and collaborated with operators industry-wide on funded energy projects. In his present role at ERI, Nitish performs energy assessments and technical reviews of energy efficiency projects aimed at increasing process efficiency and reducing LOE costs.

Dr. Pejman Tahmasebi
Assistant Professor, University of Wyoming
“Machine Learning”

Biography:
Dr. Pejman Tahmasebi’s research interests are in the general area of geosciences and porous media modeling. This is a broad area that includes geophysics, geology, and geomechanics, as well as fluid flow and transport processes, all in close association with computer simulation and computational methods. Addressing most of the current complex problems requires integration of various types of data, which on its own is another daunting problem. Thus, developing more complex, but also more realistic porous media models, requires novel physical concepts. It also requires new datasets, collected over disparate length scales, as well as new computational tools for integrating all such ingredients. This requires new approaches to data analysis, multivariate modeling, and temporal adjustment.
Abigail (Abby) Valdelièvre Thurston
Manager, CO2, Helium and Trucked LNG

Biography:
Abby has 20 years of work experience in the Energy and Finance industry. She started her career in risk analysis, leveraging her finance education to offer hedging solutions to her clients. After becoming a CFA charterholder in 2006, Abby joined the boutique investment bank Friedman Billings and Ramsey, where she managed the planning process before joining the Energy and Natural Resources Banking Group as an Associate.

In 2008, Abby joined the AES Corporation, a Fortune 200 IPP. In her first role there, she worked in the corporate commercial group, developing over $500 million of power purchase agreements, fuel supply agreements and bidding strategies for the contracting of power assets. She progressed to the corporate strategy group, where she led the development of an LNG to Power strategy for AES and secured executive management approval and funding to progress the opportunity, negotiating with gas suppliers, infrastructure providers and financial sponsors.

Abby’s interest in the LNG business led her to Houston in 2013 where she joined ExxonMobil upstream organization. In her first role there, she provided support as the subject matter expert on gas to power initiatives. In 2015, Abby became the Chief of Staff for the Vice President of LNG, supporting a global organization. In her present role, Abby is the commercial manager for ExxonMobil’s US CO2, Helium and trucked LNG portfolio.

Abby is a CFA charterholder, and earned a bachelor’s degree in Finance and Russian with a minor in economics from James Madison University, in Virginia (USA). She is fluent in French and also received the French Baccalaureate from the CNED. In her free time she enjoys spending time with her family, playing with her dogs and skiing.

Mark Watson
Director, Wyoming Oil and Gas Conservation Commission

Biography:
Mark was born and raised in Calgary, Canada. After moving to the United States in 1980, he obtained his degree in petroleum engineering from the University of Wyoming. He has worked with the Wyoming Oil and Gas Conservation Commission for over 30 years and served as a petroleum engineer for the agency. In May of 2014, Mark was selected to be the Wyoming Oil and Gas Conservation Commission Supervisor.
EORI 2018 Cost Share Reports Panel

Sean Terchek
Petroleum Engineer, Enhanced Oil Recovery Institute

Biography:
Experienced energy professional with 18 years of experience throughout the U.S. leading production, field operations, reservoir engineering, and corrosion projects. Worked in various basins including the Williston, Los Angeles, Sacramento, San Joaquin and San Juan basins.

Steve Whitaker
Senior Petroleum Geologist, Enhanced Oil Recovery Institute

Biography:
Mr. Whitaker has over 40 years of extensive, multidisciplinary experience with both major and independent oil companies encompassing numerous aspects of exploration for, and development of, carbonate, clastic, and unconventional reservoirs. His extensive experience includes business management, project economics, operations, geology, petroleum engineering, geophysics, detailed mapping of subsurface and surface geology, prospect generation and development, reservoir characterization, EOR/IOR design and implementation, computer-enhanced mapping, and acreage acquisition. He has authored several publications regarding oil and gas development and exploration and has won awards for his presentations at regional and international technical conferences.

Lon Whitman
Technical Outreach, Enhanced Oil Recovery Institute

Biography:
Mr. Whitman has a degree in Petroleum Engineering from the University of Wyoming and over 30 years experience in the oil and gas industry. His professional career includes both offshore and onshore experience in reservoir engineering and business development. He has an extensive background in enhanced oil recovery principles and technologies and worked nearly 10 years as a private consultant in EOR and IOR projects in Wyoming, Texas and North Dakota. Mr. Whitman also has professional experience in environmental due diligence as a consultant for oil and gas acquisitions and divestitures.
## Participating Vendors

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<thead>
<tr>
<th>Company</th>
<th>Booth #</th>
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<tbody>
<tr>
<td>McAda Drilling Fluids</td>
<td>340</td>
</tr>
<tr>
<td>Wyoming Machinery Company</td>
<td>112</td>
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<td>Wyoming Machinery Company</td>
<td>114</td>
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<tr>
<td>Wyoming Machinery Company</td>
<td>211</td>
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<tr>
<td>Wyoming Machinery Company</td>
<td>213</td>
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<tr>
<td>NOSHOK, Inc.</td>
<td>311</td>
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<tr>
<td>Holiday Inn Casper East</td>
<td>239</td>
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<tr>
<td>Wyoming Pipeline Authority</td>
<td>313</td>
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<tr>
<td>BKS Environmental Associates, Inc.</td>
<td>315</td>
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