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WYOMING OIL & GAS FAIR
& ENHANCED OIL RECOVERY INSTITUTE
JOINT CONFERENCE 2018

Casper Events Center
September 12-13, 2018



Enhanced Oil
Recovery Institute

wyogasfair.org
eoriwyoming.org
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Contents

- Welcome 1
- Agenda 2-3
- WOGCC Agenda 4-5
- Event Sponsors 6
- Parking, Arena and Concourse 7
- Day 1 - Second Floor 8
- Day 2 - Second Floor 9
- Legislative Panel 11
- 45Q Panel Participants 13
- Featured Speakers & Presenters 16
- Participating Vendors 22
- Notes 25



Welcome

Welcome to the 2018 Wyoming Oil & Gas Fair/Enhanced Oil Recovery Institute Joint Conference and the Wyoming Oil and Gas Conservation Commission (WOGCC) Industry meeting. This marks the second time we have joined forces and we expect another solid event.

The experiment that began last year continues, as does the refinement to make the event more engaging and useful to Wyoming oil & gas stakeholders.

The conference is packed with a wide range of presentations and material, along with nearly 100 vendor booths.

Breakfast and lunch are provided both days by sponsors Jomax Pipeline Construction, Crowley Fleck PLLP, and ExxonMobil.

We'll open the conference Wednesday with Governor Mead's Keynote Address followed by a Legislative Leadership panel discussion. Other speakers include representatives from ExxonMobil, Halliburton, and Mercator Energy. We will also hear from the WOGCC Supervisor Mark Watson and the Wyoming Pipeline Authority's Director, Brian Jeffries.

Our first day will be rounded off with a reception and dinner at the Beacon Club, which was a big hit last year.

Day Two (Thursday) dives into the technical weeds as the focus shifts to geology, engineering, production, and policy. There are four concurrent tracks that will repeat throughout the day allowing participants to see as many presentations as possible.

Be sure to check the agenda to plan your day.

In this brochure, you'll find details about the speakers and presentations, as well as a list of participating vendors and their booth locations.

We're excited that you're here sharing with us, and we hope the conference is a success for you and your company. We look forward to hearing your thoughts about our changes to the event, your opinions on what works, what you'd like to keep, and what we could change to improve the experience.

We look forward to the future of Wyoming's oil & gas development and production with great enthusiasm!

Welcome,
Dr. Steven Carpenter, Director
Enhanced Oil Recovery Institute

2018 AGENDA

SEPTEMBER 12-13



DAY 1 WEDNESDAY, SEPTEMBER 12

TIME	SPEAKER	TITLE
8:00 to 9:30 a.m.	BREAKFAST	Sponsored by Jomax Pipeline Construction
8:30 to 9:00 a.m.	Dave Hutton, Wyoming Oil & Gas Fair	Opening Remarks
	Dr. Steven Carpenter, Director, EORI	Introducing Governor Mead
9:00 to 9:30 a.m.	Governor Matt Mead	Keynote Address <i>Governor presents the Energy Award to Kirkwood Oil and Gas LLC</i>
9:30 to 10:30 a.m.	Legislative Leadership Panel	Open Discussion
10:30 to 11:00 a.m.	BREAK	Refreshments available on the Main Floor by Vendor Booths
11:00 to 11:30 a.m.	Keynote Speaker Eric Pletcher, WY Asset Manager ExxonMobil	Keynote ExxonMobil's LaBarge Operations - An Overview
11:30 a.m. to 1:00 p.m.	LUNCH	Sponsored by ExxonMobil
1:00 to 1:30 p.m.	Mark Watson Wyoming Oil & Gas Commission	Keynote WOGCC Industry Meeting
1:30 to 5:00 p.m.	WOGCC Industry Meeting	Location: Mormon/Bridger <i>WOGCC Breakout Sessions located above the Summit Room on the 3rd Level</i>
1:30 to 2:00 p.m.	Brian Carty Halliburton	Keynote Changes in the Oilfield Landscape
2:00 to 2:30 p.m.	Nick Jones Sr. Geologist, EORI	Oil and Gas Production: Decision making with Optimized Information
2:30 to 3:00 p.m.	BREAK	Refreshments available on the Main Floor by Vendor Booths
3:00 to 3:30 p.m.	John Harpole Mercator Energy	U.S. Natural Gas and the Potential for LNG Export Growth
3:30 to 4:15 p.m.	Brian Jeffries Wyoming Pipeline Authority	Remember Ten Years Ago & \$6.00 Natural Gas in Wyoming? What Happened & What's Next?
	Michael Hinrichs	Jordan Cove: Gateway to the Asia Pacific Natural Gas Market
5:00 to 8:00 pm	Reception	at the Beacon Club

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

2018 AGENDA

SEPTEMBER 12-13



Enhanced Oil
Recovery Institute

DAY 2 THURSDAY, SEPTEMBER 13

8:00 to 9:00 a.m.	BREAKFAST Sponsored by Crowley Fleck PLLP			
8:15 to 9:00 a.m.	Welcome - Dr. Steven Carpenter, EORI			
	Mike Godec, Vice President, Advanced Resources International			
ALL DAY 9 a.m. - 4 p.m.	WyrIT Demonstration, Q & A featuring EORI's Nick Jones - MAIN FLOOR			
	Track 1 Bridger Trail Room	Track 2 Mormon Trail Room	Track 3 Oregon Trail Room	Track 4 Summit Room
9:00 to 10:20 a.m.	Andy Finley & Leo Giangiacomo Developments in Unconventional Resource Technology	Ron Auflick Value Creation in the Powder River Basin - An Update of Progress in the Last Year	Harry Liu Managing Highly Fractured Reservoirs Using Streamline Simulation Shane Horner Produced Water Challenges and Beneficial Use	Roundtable Discussion 45Q Panel featuring: See program for speaker lineup
10:20 to 10:40 a.m.	BREAK ** ** Breaks for Track 1 to be determined by the presenters	BREAK	BREAK	BREAK
10:40 to 12:00 p.m.	Andy Finley & Leo Giangiacomo (cont'd)	Rob McBride State of Play in Global Oil & Gas Markets	Stephen Whitaker Sequence Stratigraphy & Secondary Recovery Potential	Dr Ben Cook Power Pump - Electricity & Lifting Costs
12:00 to 1:00 p.m.	Boxed Lunch - Served above the Summit Room – 3rd Level			
1:00 to 2:20 p.m.	Andy Finley & Leo Giangiacomo Developments in Unconventional Resource Technology	Ron Auflick Value Creation in the Powder River Basin - An Update of Progress in the Last Year	Stephen Whitaker Sequence Stratigraphy & Secondary Recovery Potential	Dr Ben Cook Power Pump - Electricity & Lifting Costs
2:20 to 2:40 p.m.	BREAK ** ** Breaks for these tracks will be determined by the presenters	BREAK	BREAK	BREAK
2:40 to 4:00 p.m.	Andy Finley & Leo Giangiacomo (cont'd)	Rob McBride State of Play in Global Oil & Gas Markets	Harry Liu Managing Highly Fractured Reservoirs Using Streamline Simulation Shane Horner Produced Water Challenges and Beneficial Use	Roundtable Discussion 45Q Panel featuring: See program for speaker lineup

Thanks for Attending the 2018 Wyoming Oil and Gas Fair/Enhanced Oil Recovery Institute Joint Conference

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



Industry Meeting Agenda Sept. 11 & 12, 2018, Casper Event Center

September 11	Industry Meeting Opening Reception – Arena Floor
Registration	4:30 p.m.
Reception	5 p.m. - 7 p.m.
September 12	Industry Meeting
Registration and lunch – Arena Floor	Noon – 1 p.m.
Opening Presentation -	Three Trails Room
1 p.m. – 1:30 p.m.	WOGCC Supervisor Mark Watson, Update on Wyoming Oil and Gas Industry
Panels Sessions –	Class rooms
1:30p.m. – 2 p.m. Panel Session I:	The Case for Public Relations
Facilitator	- Supervisor Mark Watson
Panelists	WOGCC Sr. PR Specialist Kimberly Mazza, Samson Exploration Land Manager Will Blankenship, Cheyenne Land Owner Barry Bruns
2 p.m. – 2:30 p.m.	Panel Session II: Well Spacing Issues, Examiner Hearings, Operations, Technical Review
Facilitator	Supervisor Mark Watson
Panelists	WOGCC Engineers Sabrina Hamner, Frank Ingham, Adam Smith



Industry Meeting Agenda Sept. 11 & 12, 2018, Casper Event Center

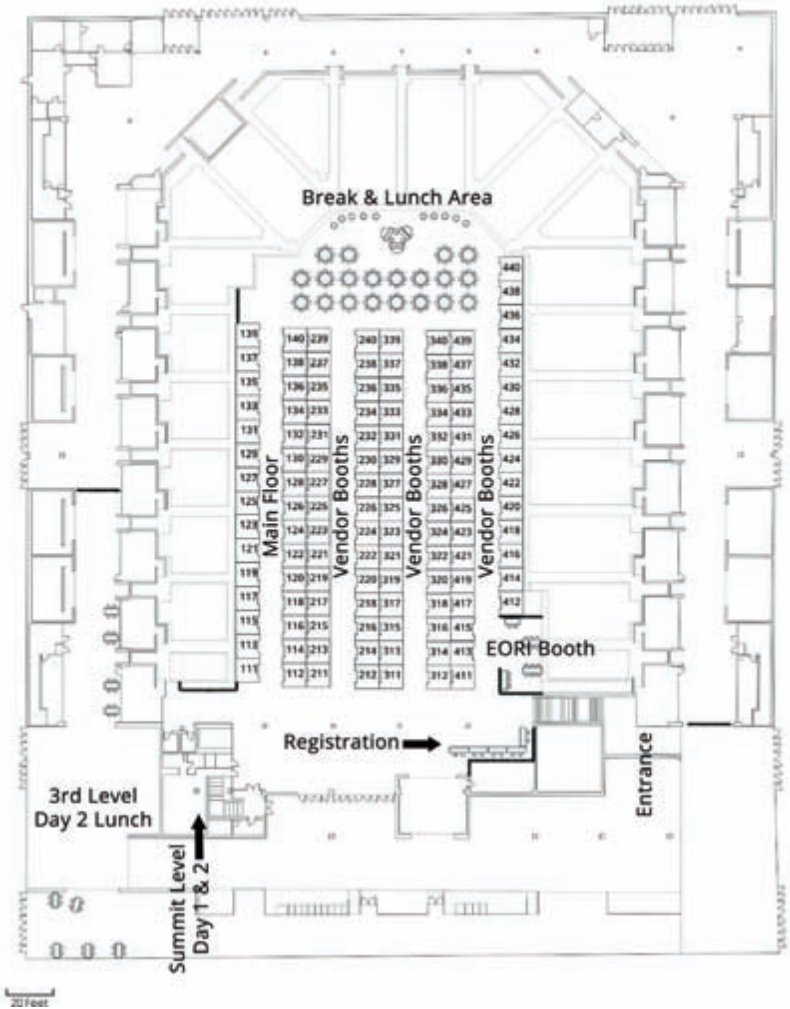
2:30 p.m. – 3 p.m.	Panel session III: Hearings
Facilitator	Supervisor Mark Watson
Panelists	WOGCC Staff Karla Sanford, Rhonda Beck, Sabrina Hamner, and Sr. Assistant Attorney General Eric Easton
Break	
Table Top Discussions	Upstairs
3:15 p.m. – 4:30 p.m.	<ol style="list-style-type: none"> 1. Risk Based Data Management System (RBDMS) 2. BWQR, Flaring, Idle Wells, Trade Secrets, PMITs, Spills, Incident Reporting 3. Compliance, UIC, Sage Grouse (with WG&F) Bonding, Split Estate, New Operators, Completions Well Transfers, Water Well Conversions 4. Leasing, Bonding, Lease Assignments, Suspensions of Operations, Extensions, Idle Wells Easements, Units and Communization Agreements, plus more – Office of State Lands and Investments 5. Drilling Notification and Sundries 6. Flaring and Production 7. Pits, Pit Closures, Seismic Permitting 8. Well Spacing Issues, Examiner Hearings, Operations, Technical Review, P&A 9. WOGCC Industry Meeting Concludes 10. Oil and Gas Fair Reception, Beacon Club
5 p.m.	(Industry Meeting attendees invited)

Event Sponsors



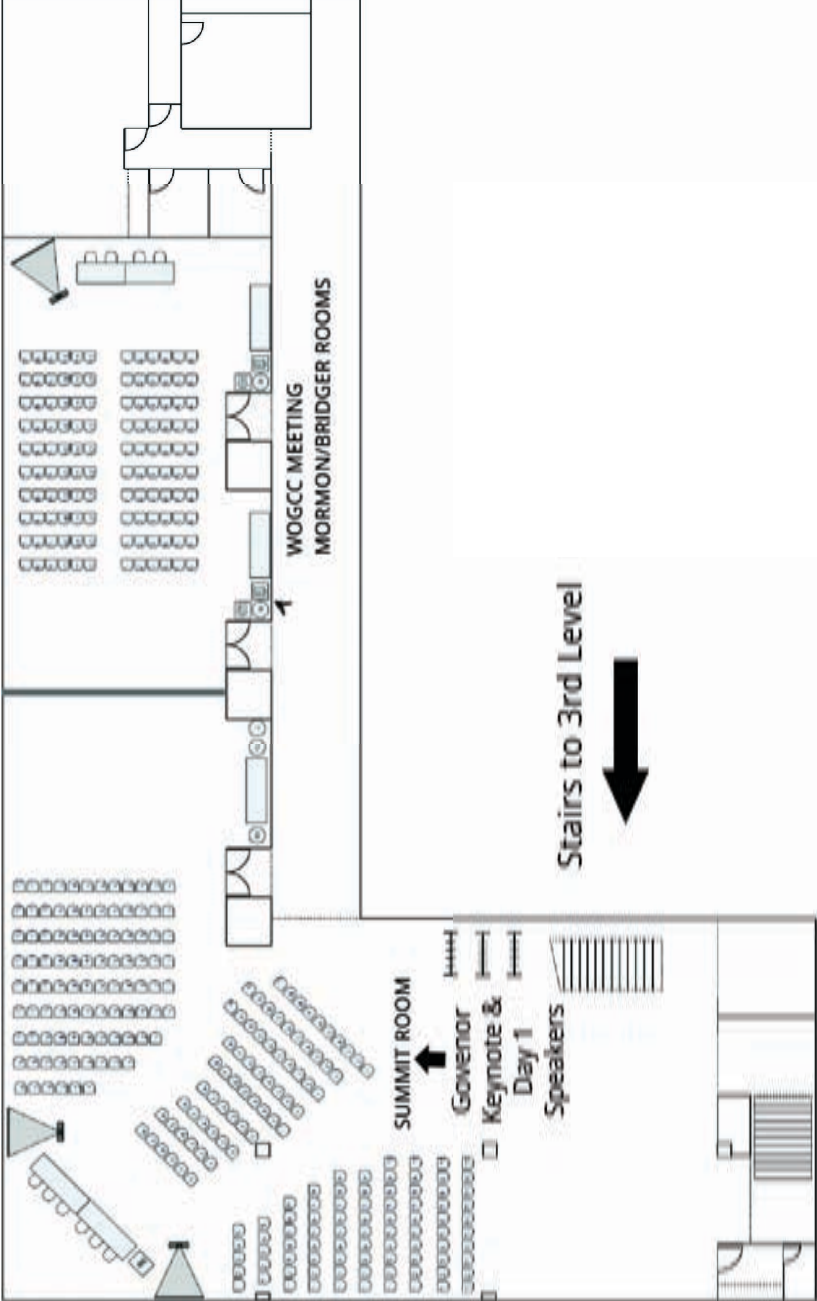
Make sure to visit our vendors on the ground level.

Parking, Arena and Concourse

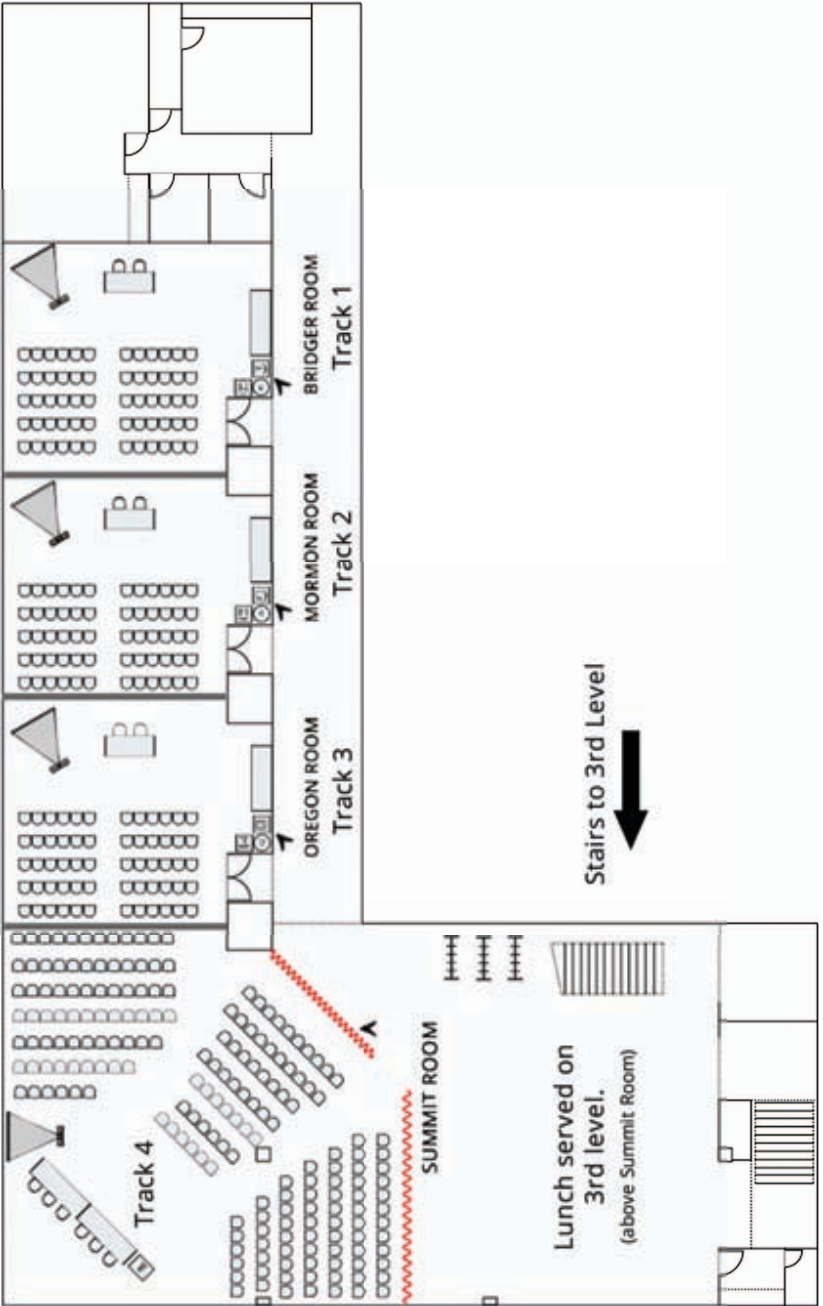


Six \$500 door prizes will be given away during the event!

Day 1 - Second Floor



Day 2 - Second Floor



The Honorable Governor Matt Mead

of the Great State of Wyoming



Keynote Speaker

Matt Mead, Wyoming's 32nd Governor, took office in January 2011 and is serving his second term. He was born and raised in Jackson. After earning a law degree from the University of Wyoming, he served as a prosecutor, practiced in a private firm, and served as U.S. Attorney. He maintains a farm and ranch business with his wife Carol in southeast Wyoming.

Governor Mead has put in place a comprehensive state energy strategy and state water strategy for Wyoming. He has vigorously promoted carbon capture technologies. He moved the entire state to a 100 gigabit broadband network. His rules initiative has resulted in fewer regulations and improved public access to rules. His focus on increasing state competitiveness, for example, through technology, innovation and expansion of business opportunities in numerous economic sectors, has brought national recognition. Under the Governor's ENDOW initiative, a 20-year economic diversification strategy for Wyoming was issued this August.

Governor Mead has served as Chair and also as Vice Chair of the Natural Resources Committee of the National Governors Association. He serves as Co-chair of the State and Federal Sage Grouse Task Force. He is past Chairman (2015-16) of the Western Governors' Association where his Chairman's Initiative was Species Conservation and the Endangered Species Act.

Matt and Carol have been married 27 years and have two young adult children.

Legislative Panel



Senator Eli Bebout

President of the Senate

Republican, Senate District, 26 Fremont County

- 2018-Management Council
- 2018-Senate Rules & Procedures
- 2018-Capitol Building Restoration Oversight Group
- 2018-Opioid Addiction Task Force
- 2018-Energy Producing States Coalition
- 2018-Select Water Committee
- 2018-Task Force on University of Wyoming Housing
- 2018-Economically Needed Diversity Options for Wyoming (ENDOW) Executive Council
- 2018-Energy Council
- 2018-Enhanced and Improved Oil Recovery Commission
- 2018-State Building Commission Liaison
- 2018-UW Energy Resource Council
- 2018-Wyoming Commercial Air Service Improvement Council
- 2018-Wyoming Museum of Military Vehicles Task Force
- 2018-NCSL - Nuclear Legislative Workgroup
- 2018-CSG West - Executive Committee



Representative Steve Harshman

Speaker of the House

Republican, House District 37, Natrona County

- 2018-Management Council
- 2018-House Rules & Procedures
- 2018-Task Force on University of Wyoming Housing
- 2018-Capitol Building Restoration Oversight Group
- 2018-Select Committee on School Facilities
- 2018-Select Committee on School Finance Recalibration
- 2018-Casper State Office Building Advisory Task Force
- 2018-Economically Needed Diversity Options for Wyoming (ENDOW) Executive Council
- 2018-Energy Council
- 2018-CSG West - Executive Committee



Senator Drew Perkins

Majority Floor Leader

Republican, Senate District 29, Natrona County

- 2018-Government Efficiency Commission
- 2018-Management Council
- 2018-Senate Minerals, Business & Economic Development
- 2018-Senate Rules & Procedures
- 2018-Capitol Building Restoration Oversight Group
- 2018-Energy Producing States Coalition
- 2018-Select Committee on Capital Financing & Investments
- 2018-Select Committee on School Finance Recalibration
- 2018-Casper State Office Building Advisory Task Force
- 2018-Energy Council
- 2018-State Building Commission Liaison
- 2018-Wyoming Commercial Air Service Improvement Council
- 2018-NCSL - Nuclear Legislative Workgroup
- 2018-CSG West - Finance & Economic Development



Representative David Miller

Majority Floor Leader

Republican, House District 55, Fremont County

2018-Management Council
2018-House Rules & Procedures
2018-Capitol Building Restoration Oversight Group
2018-Energy Council
2018-NCSL - Nuclear Legislative Workgroup
2018-CSG West - Energy and Environment



Representative Mike Greear

Republican, House District 27, Big Horn, Washakie Counties

2018-House Minerals, Business & Economic Development
2018-Management Council
2018-House Rules & Procedures
2018-Select Committee on Capital Financing & Investments
2018-Economically Needed Diversity Options for Wyoming (ENDOW) Executive Council
2018-Energy Council
2018-UW Energy Resource Council

45Q Panel Participants



Dr. Steven M. Carpenter

Moderator

Director, Enhanced Oil Recovery Institute

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.



Kipp Coddington

Director, Energy Policy & Economics, and Director, Center for Economic Geology Research - University of Wyoming

Biography:

Kipp is a chemical engineer and lawyer who has become an international expert in regulation and policy pertaining to energy and carbon management. Before coming to UW in 2015, he advised fossil and renewable energy companies in addressing some of their most challenging energy, environmental and climate issues. He has guided complex infrastructure projects making beneficial use of carbon dioxide, and monetizing carbon dioxide reductions through market mechanisms.



Dan Cole

Vice President, Commercial Development and Government Relations, Denbury Resources

Biography:

Dan E. Cole, Vice President – Commercial Development and Governmental Relations, joined Denbury in October 2006. Prior to joining Denbury, Mr. Cole was Director of the Mississippi/Alabama Business Unit for Plains Marketing, LP since April 2004, and Manager, Gulf Coast Region for EOTT Operating for the prior eight years before it was acquired by Plains Marketing. Mr. Cole has more than 35 years of marketing, transportation and supply experience in the natural gas and crude oil industry. Mr. Cole received his Bachelor of Business Administration degree from Texas A&M University.



Dr. Benjamin Cook

Sr. Energy Economist, Enhanced Oil Recovery Institute

Biography:

Dr. Cook serves as the Sr. Energy Economist for EORI, with a dual appointment as faculty in the Univ. of Wyoming Department Economics. Dr. Cook specializes applied energy economics and finance with subject matter work on Oil & Gas Operations, Enhanced Oil Recovery (EOR), CO₂ Capture, Storage and Utilization (CCUS), Electricity Generation & Transmission, Experimental Economics, Cost & Performance Benchmarking, Economic Impact Assessments, and Project Finance Modeling and Evaluation. Most of Dr. Cook's work is in partnerships with various public and private entities to derive actionable insights for policymakers and business decision makers. As faculty in the UW College of Business, Dr. Cook works with MBA Students through energy project mentoring and teaching Managerial Economics, Energy Finance Project Evaluation and Decision Making. Dr. Cook is a sought-after speaker, educator and trainer, and is always on the lookout for new and interesting collaborative projects with industry.



Charles D. Gorecki

Director of Subsurface R&D, Energy & Environmental Research Center, UND

Biography:

Charles D. Gorecki is the Director of Subsurface R&D at the EERC, where he is responsible for developing and managing programs and projects focused on conventional, unconventional, and enhanced oil and gas production; the geologic storage of CO₂; geothermal; and other energy and environmental research. He currently serves as the Program Manager for the Plains CO₂ Reduction (PCOR) Partnership, one of seven regional partnerships funded by the U.S. Department of Energy's National Energy Technology Laboratory Regional Carbon Sequestration Partnership Program. The PCOR Partnership Program is a three-phase, multiyear, multimillion-dollar program, focused on assessing the technical and economic feasibility of capturing and storing CO₂ emissions from stationary sources in the northern Great Plains and adjacent area. Under this program, Mr. Gorecki leads a multidisciplinary team of researchers working primarily on developing monitoring, verification, and accounting concepts and technologies for large-scale CO₂ storage (>1 million tons per year) in deep saline formations and oil fields and the characterization of the geologic formations in the PCOR Partnership region in preparation for the implementation of the commercial deployment of carbon capture and storage (CCS). In addition to the PCOR Partnership Program, Mr. Gorecki also manages or oversees projects related to CO₂ storage capacity estimation, novel reservoir surveillance and CO₂ storage monitoring techniques, and unconventional oil and gas resource modeling, characterization, and testing.

Mr. Gorecki's principal areas of interest and expertise include enhanced oil recovery (EOR), unconventional oil and gas research, and the geologic storage of CO₂, specifically in the areas of reservoir and simulation engineering. He has also led several other national and international projects associated with CO₂ storage, the nexus of water and CCS, and CO₂ EOR. Mr. Gorecki has authored and coauthored many papers and given presentations on topics associated with CO₂ EOR and CO₂ storage in the United States and throughout the world. He holds a B.S. degree in Geological Engineering from UND.



Steve Melzer

Founder and Owner, Melzer Consulting

Biography:

Steve is a geological engineer with a 30-year background in oil and gas exploration, production and consulting. He has performed research both within the oil and gas industry and with the Departments of Energy and Defense. His particular areas of expertise involve reservoir characterization, the science and commercial exploitation of residual oil zones (ROZs), CO2 flood performance, CO2 geologic sequestration, CO2 policy, and CO2 business planning. He is a much sought after speaker at conferences across the country. His firm is located Midland, TX in the heart of the Permian Basin.



Robby F. Rockey

Senior Vice President, Fleur de Lis, LLC

Biography:

Mr. Rockey has over 13 years of experience sourcing and evaluating potential acquisition opportunities, evaluating marketed and unsolicited transactions from \$500K-\$1B in every major North American oil and gas basin. He previously served as Business Development Manager of Urban Oil & Gas Group, L.L.C., evaluating over 100 transactions and playing an integral role in the investment of the company's first two funds. He graduated with a BS in Mechanical Engineering from the University of Oklahoma in 2005 and an MS in Finance from the University of Texas-Dallas in 2010. Mr. Rockey is a member of the University of Wyoming's EORI Technical Advisory Board.



Kurt Waltzer

Managing Director, Clean Air Task Force

Biography:

Kurt Waltzer is the Managing Director for the Clean Air Task Force. He is responsible for ensuring that CATF has the strategic and operating capabilities it needs to carry out its mission. In this role he provides oversight and support of organizational management and administrative activities, as well as ongoing development and implementation of organizational strategy.

In addition, Kurt maintains a focus on Carbon Capture, Utilization, and Sequestration (CCUS) development and deployment under the Fossil Transition program. Kurt was an early advocate of advanced fossil and CCUS in the environmental NGO community and has been working to promote it since 2001. He has led the development of federal and state incentive policies for CCUS, and helped facilitate support for CCUS projects. He's authored and co-authored several reports and articles as well as managed several economic analyses on low carbon fossil technology.

Kurt has an MBA from the Ross School of Business at the University of Michigan and a degree in economics from Ohio State University.

Featured Speakers & Presenters



Ron Auflick

Partner, Wold Energy Partners, LLC

Topic: Value Creation in the Powder River Basin - An Update of Progress in the Last Year

Biography:

Ron is a partner and oversees operation for World Energy Partners LLC. Wold Energy Partners is a LLC focused on Wyoming, permitting and drilling eleven of the stacked pays in the Southern Powder River Basin.

Ron has 39 years of diverse domestic and international experience, both on and offshore. Focusing on directional, horizontal and extended reach drilling, Ron has been directly involved in hundreds of unconventional wells in 13 states and some 25 countries including the current world record ERD wells. Ron has authored papers for SPE, AADE, American OIL & Gas Reporter, Oilfield Review, and for American Society of Mechanical Engineers. For the Society of Petroleum Engineers, he regularly conducts continuing education seminars and has served as a Technical Advisor for the American Petroleum Institute. Ron, a native Wyomingite, is an Honorably Discharged Marine; he has a B.Sc., Engineering w/Honors, from the University of Wyoming.



Brian Carty

Northern Region Manager for Halliburton

Topic: Changes in the Oilfield Landscape

Biography:

Brian Carty is the Northern Region Manager for Halliburton's Cementing Product Service Line. He started his career in Rock Springs, WY as a cement field engineer in 1997. Over the next few years he moved within sales and engineering management then into operational management. He was the cementing and fracturing services manager in Grand Junction, CO then moved back to Rock Springs, WY to be the District Manager for the Wyoming District. He then relocated to Houston to assume the Global Technical Sales Manager position for Halliburton Cementing. He is a member of the Petroleum Association of Wyoming, and holds a BS in Chemical Engineering from the Colorado School of Mines.



Dr. Steven M. Carpenter

Director, Enhanced Oil Recovery Institute

Topic: Welcome and Introduction

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.



Dr. Benjamin Cook

Sr. Energy Economist, Enhanced Oil Recovery Institute

Topic: Power Pump - Electricity & Lifting Costs

Biography:

Dr. Cook serves as the Sr. Energy Economist for EORI, with a dual appointment as faculty in the Univ. of Wyoming Department Economics. Dr. Cook specializes applied energy economics and finance with subject matter work on Oil & Gas Operations, Enhanced Oil Recovery (EOR), CO2 Capture, Storage and Utilization (CCUS), Electricity Generation & Transmission, Experimental Economics, Cost & Performance Benchmarking, Economic Impact Assessments, and Project Finance Modeling and Evaluation. Most of Dr. Cook's work is in partnerships with various public and private entities to derive actionable insights for policymakers and business decision makers. As faculty in the UW College of Business, Dr. Cook works with MBA Students through energy project mentoring and teaching Managerial Economics, Energy Finance Project Evaluation and Decision Making. Dr. Cook is a sought-after speaker, educator and trainer, and is always on the lookout for new and interesting collaborative projects with industry.



Andy Finley

Geologist and Owner, Goolsby, Finley and Associates, LLC

Topic: 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

Topic: 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,

continued on next page

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.



Michael L. Godec

Vice President, Advanced Resources International Inc

Topic: Day 2 Keynote

Biography:

Mr. Michael L. Godec is a Vice President and Treasurer with Advanced Resources International, Inc. He has 28 years of high-level experience in supporting the public policy, strategic planning, market analysis and forecasting, asset evaluation, and resource evaluation missions of both public and private sector organizations.

Mr. Godec provides objective and analytically sound consulting services and advice to all the major stakeholders concerned with the development of regulatory policies for the upstream oil and gas industry in the United States. These include the U.S. Environmental Protection Agency (EPA), U.S. Department of Energy (DOE), International Energy Agency Greenhouse Gas Programme, UNIDO, UK Dept. of Energy and Climate Change, U.S. Department of Interior (DOI), American Petroleum Institute (API), Gas Research Institute (GRI), and National Petroleum Council (NPC).

Mr. Godec was the Society of Petroleum Engineers Distinguished Lecturer (2009-2010) on the subject "Environmental Performance of the Exploration and Production Industry: Past, Present, and Future." Mr. Godec has an M.S. in Technology and Human Affairs from Washington University in St. Louis, and a B.S. in Chemical Engineering from the University of Colorado.



John Harpole

Owner and Founder, Mercator Energy

Topic: U.S. Natural Gas and the Potential for LNG Export Growth

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.



Michael Hinrichs

Manager of Media and Communications for Pembina

Topic: Jordan Cove: Gateway to the Asia Pacific Natural Gas Market

Biography:

Michael Hinrichs is the Manager of Media and Communications for Pembina (Pem-mi-nah) and has been with the Jordan Cove project for more than six years. He is responsible for media relations, coalition building, external communications and the Rockies engagement platform. Prior to working with Jordan Cove, Michael was Vice President at Weber Shandwick, an international PR firm, and before that he was Vice President of Energy and Environment at Los Angeles' oldest public relations firm.

He has worked with the Rockies stakeholders for more than three years and is focused on expanding the Rockies bi-partisan support for Jordan Cove because of its potential for significant economic and job creation benefits to Wyoming and other Rockies states.



Shane Horner

Operations Engineer, Merit Energy Company

Topic: Produced Water Challenges and Beneficial Use

Biography:

Shane Horner joined Merit Energy Company 6 years ago as an Operations Engineer. With over 13 years of experience in the oil and gas industry in various engineering roles, he is responsible for creating, planning, designing and managing surface infrastructure and pipeline projects across the company.

Before joining Merit Energy Company, Shane worked as Sr. Project Engineer for EXCO Resources, Inc. where he completed multiple plant and pipeline projects in Texas, Louisiana, Pennsylvania and West Virginia. He started his career working for engineering service companies whose focus was the planning, construction and management of commercial, governmental and industrial projects around the globe. Shane has been a member of the Society of Petroleum Engineers, Dallas Chapter, since 2008. Shane graduated from Texas A&M University in 2005 with a bachelor's degree in industrial engineering.



Brian Jeffries

Executive Director, Wyoming Pipeline Authority (WPA)

Topic: Remember Ten Years Ago & \$6.00 Natural Gas in Wyoming? What Happened & What's Next?

Biography:

Mr. Jeffries has 36 + years' experience in the natural gas industry. He has been a consultant in the areas of gas supply, gas transportation, natural gas liquids marketing and logistics. His clients include investor owned and independent power companies, midstream companies and independent producers.



Nick Jones

Senior Geologist, Enhanced Oil Recovery Institute

Topic: Oil and Gas Production: Decision Making with Optimized Information (Day 1) & WyRIT Demonstration (Day 2)

Biography:

Nick is a geologist who has experience working on Wyoming's natural resources including water, coal, coalbed natural gas, and conventional oil and gas. Prior to working at Enhanced Oil Recovery Institute (EORI), he worked for the Wyoming State Geological Survey where he led the coal geology group until 2011. He was also a Student Geologist for the U.S. Geological Survey Water Resource Division where he worked on surface and ground water resource projects. Over the course of his career, Nick has developed several resource-focused relational geospatial databases. His most recent effort is the development of the EORI Wyoming Reservoir Information Tool (WyRIT), a web-based application designed to assist development of Wyoming oil and gas by making data more easily available.



Harry Liu

Reservoir Engineer, Merit Energy Company

Topic: Managing Highly Fractured Reservoirs Using Streamline Simulation, A Tensleep and Phosphoria Application

Biography:

Harry Liu joined Merit Energy Company 2 years ago as a Reservoir Engineer. He has 5 years of reservoir engineering experience and is responsible for maximizing recovery and efficiency of Oregon Basin and Spring Creek fields via reservoir and flood management as well as prospecting new drill wells.

Before joining Merit Energy Company, Harry worked as a Reservoir Engineer for BP Exploration (Alaska) Inc. where he was responsible for reservoir management of parts of Prudhoe Bay covering both gravity drainage and waterflood enhanced recovery mechanisms. Harry graduated from Columbia University in 2013 with a bachelor's degree in chemical engineering.



Rob McBride

Senior Director of Market Intelligence, DrillingInfo

Topic: State of Play in Global Oil and Gas Markets

Biography:

Rob McBride is the Senior Director of Market Intelligence for Drilling Info in Littleton, CO. Prior to joining DI, he was the Director of Business Development for Energy Markets Products at Bloomberg LP in San Francisco for 3 years. Before that, he spent 12 years trading wholesale energy markets (natural gas and oil) for UBS, JP Morgan, and BNP Paribas in New York City. Preceding his career in the energy industry, Rob was a Nuclear Submarine Officer in the United States Navy. He holds a Bachelor's degree from the University of Notre Dame and an MBA from the Tuck School of Business at Dartmouth.



Eric W. Pletcher

Wyoming Operations Manager, ExxonMobil Production Company

Topic: ExxonMobil's LaBarge Operations - An Overview

Biography:

Eric Pletcher is the manager for ExxonMobil Production Company's Wyoming assets and oversees the operation of sour gas producing wells, treating facilities, and pipelines located in Southwestern Wyoming.

Prior to managing the Wyoming Operations for ExxonMobil, Pletcher was the President of Golden Pass LNG, a joint venture between ExxonMobil and Qatar Petroleum. Pletcher has worked in the oil and gas industry for 27 years and held operations, technical, and commercial assignments in the U.S., Europe, Africa, and the Middle East.

Pletcher received his Bachelors of Science degree in Engineering from the University of Colorado – Boulder. He is married with three children and enjoys fly fishing, hunting, hiking, and golf.



Steve Whitaker

Senior Petroleum Geologist, Enhanced Oil Recovery Institute

Topic: Sequence Stratigraphy and Secondary Recovery Potential

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. For 16 years, he ran his own oil company in the Illinois Basin where he conducted exploration and development programs, in addition to owning and operating 24 wells. Mr. Whitaker has a well-earned reputation for utilizing proven methods and developing innovative concepts to improve production through development, EOR/IOR, and exploration projects. 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.



Mark Watson

Director, Wyoming Oil and Gas Conservation Commission

Topic: WOGCC Industry Meeting, Opening Keynote

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.

Participating Vendors

Company	Booth #
Airgas USA, LLC	222
Ameresco Solar, LLC	432
American Equipment, LLC	318
Anderson Controls, Inc.	339
Applied Control	437
Assetworks LLC	320
ATI Insulation Inc.	333
Automation Products Group, INC (APG)	319
BAKKEN OIL BUSINESS JOURNAL	312
Balon Valves	221
Bighorn Construction and Reclamation	316
Bottom Line Marketing	412
Circle B Measurement	337
Clean Harbors	327
Communication Technologies	217
Compass Compression Solutions	414
Covenant Testing Technologies	328
Crosby Energy Services	331
CS Consulting	425
Dawson Geophysical Company	321
Dykman	421
Emerson Automation Solutions	435
Energes Services LLC	116
Energy Laboratories	422
FREMONT MOTOR COMPANY	439
Fremont Motor-Casper	419
FUSE IT Pipe and Supply, LLC	135
FUSE IT Pipe and Supply, LLC	137
Greater Wyoming FCU	212
Hampton Inn & Suites	420
Holiday Inn Casper East - McMurry Park	240
Honnen Equipment	315
HSC / Howard Supply Company	131
HSC / Howard Supply Company	129
Industrial Fabrics	218

Industrial Lubricant Company	215
Industrial Measurement & Control Inc.	426
Industrial Piping Specialists	235
J W Power Company	311
Jomax Pipeline Construction	411
KGM	234
LATECH EQUIPMENT INC	429
Lightning Master Corporation	332
Linde LLC	433
Loenbro	427
Loenbro I&E, LLC.	417
Loenbro Technical Institute	227
LPR Construction	138
LT Environmental, Inc.	336
Matheson	416
McAda Drilling Fluids	413
Michels Corporation	237
Miller Insulation	440
Moser Energy Systems	430
Motion Design LLC	323
MRC Global	335
NOHSOK, Inc.	214
Paragon Geophysical Services, Inc.	330
PeopleReady	216
PRAMS Plus LLC	423
R360 Environmental Solutions	434
Radians	236
Rain for Rent	329
Red River LLC	238
Redi Services, LLC	233
Reserved	111
Rexel USA	424
Rocky Mountain Industrial Supply	239
Rust Automation & Controls, Inc.	418
Safeguard Business Systems Vicky A. Tarr & Associates. Inc.	317
Samuel Engineering	334

Sound & Cellular, Inc (DrillComm)	113
Steffes	415
Sunbelt Rentals Inc	322
Sunbelt Rentals Inc	324
Sunbelt Rentals Inc	326
SWCA Environmental Consultants	140
Texas Automation Systems	436
United Steel Structures, Inc.	231
Viper Drill, LLC	431
Western Environmental Services and Testing Inc.	139
Wind River Job Corps	325
Winn-Marion Companies	340
Winn-Marion Companies	338
WOGISA Wyoming Oil and Gas Industry Safety Alliance	226
Wyoming Department of Workforce Services	228
Wyoming Machinery Company	112
Wyoming Machinery Company	211
Wyoming Machinery Company	114
Wyoming Machinery Company	213
Wyoming Office of State Lands and Investments	428
Wyoming OSHA	438
Wyoming Pipeline Authority	314
Wyoming Rescue Mission	313



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