

October 2024

Fall filled with safety training opportunities

The Gas and Oil Association of West Virginia (GOWV) is pleased to announce upcoming safety training opportunities on chainsaw safety and technical tree felling, driver safety and excavator safety.

The Chainsaw Safety and Felling Course, presented by WVU Extension Safety and Health, will take place October 10-11 at the WVU Research Forest in Morgantown. All climbing gear and personal protective equipment (PPE), as well as saws and fuel, are to be provided by the student. The cost is \$450 per student, and lunch is provided each day.

The chainsaw safety and felling course covers: chainsaw safety and ergonomics; chainsaw

design, feature benefits, and starting; limbing and bucking; and technical cutting and felling.

The tree climbing techniques class covers: safety, teamwork, and communication; overhead belay/tie-in location selection and establishment; climbing gear and tools; lines, knots, hitches, and splicing; work positioning and fall protection; and work oriented climbing.



Jason Porter Chair, Safety Committee

Marlin Witt

There are many other topics under each heading. Click here to register for the <u>chainsaw class</u>. **Safety training seminars** *Continued on page 19*

GO-WV offering tax seminar in November

The Gas and Oil Association of WV, Inc., along with the Pennsylvania Independent Oil and Gas Association and the Southern Ohio Oil and Gas Association, are sponsoring the 2024 Oil and Natural Gas Accounting and Tax Seminar from 9:00 a.m. to 4:00 p.m. on November 7. It will be a virtual event.

Oil and natural gas companies continue to face ever-changing economic conditions and new challenges that come with it. In a continuing effort to keep members of the oil and natural gas industry informed of current issues and to help them navigate these challenges, we have once again partnered with Baker Tilly US to present this important and timely information.

Those who should plan to attend are oil and gas investors, operators, royalty owners, service companies, accounting and legal professionals.

Attendees are expected to receive 7.0 CPE credits. CLE credits are available by self-re-

porting to the appropriate state bar association. Time will be allotted for questions during the seminar and the presenters will be available for questions and consultations by phone or email after the seminar.

The following important and timely topics are on the agenda:

- General Tax Updates for 2024 Federal and State, including issues now being addressed in Congress, and at the individual state levels.
- Oil & Gas Industry Tax Updates for 2024
- Structuring deals from a tax perspective
- Purchase/Sale, Valuation, Succession and Estate Planning



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Proud of the people and industry that gives!

In the last few weeks, I attended the West Virginia Oil and Gas Festival in Sistersville, WV and the Shale Insight Conference in Erie, Pennsylvania. The Oil and Gas Festival celebrated the achievements of the industry for the 56th consecutive year and acknowledged Lloyd Jackson II and his family for nearly 100 years of dedicated service to the people of West Virginia both as an employer and a public servant. It was great to see so many of his friends, fellow congregants and neighbors make the 2-1/2 hour trek from West Hamlin to Sistersville on a Friday night to celebrate with his oil and gas colleagues.

As remarkable as Lloyd and Jackson Gas' achievements are, they are eclipsed by Lloyd's dedication to philanthropic efforts around the state and more specifically his efforts as Senior Trustee of the Claude Worthington Benedum Foundation, the largest charitable foundation serving West Virginia. During his acceptance speech, he referenced the words of Michael Benedum with respect to the importance, if not the obligation, for those who have amassed great wealth to help their fellow man.

In contrast to the goodwill that I witnessed at the Oil and Gas Festival, I witnessed protestors circling the Erie Bayfront Convention Center dressed as handmaids. For those of you not familiar with "The Handmaid's Tale," it's a series on Hulu that depicts a dystopian society's evolution from an ecological disaster that destroyed the population and now enslaves women for the sole purpose of forced child-bearing. The protestors wore similar garb that had the words, "Cancer," "Asthma," "PFAS," etc. boldly written on the front of their tunics. I presume that the protestors blame oil and gas for these afflictions. I wonder if they would have blamed oats and wheat for the same afflictions when we rode horse and buggy?

After stepping through the procession of protestors and simultaneously doing my best to force a smile, I had the opportunity to listen to a presentation by Ken Koyama, PhD and Chief Economist and Senior Managing Director for the Institute of Energy and Economics, Japan (IEEJ). In a nutshell, Dr. Koyama is making the rounds in the United States, imploring our politicians to lift the Temporary LNG ban on non-FTA export facilities. In case you are unaware, most of our European and Asian allies, including Japan, are non-FTA countries. Dr. Koyama proceeded to make an irrefutable case for the need for more and more US LNG exports. Without the US, the world will be forced to rely on the Middle East and Russia for energy, both of which have a penchant for extortion. His price projections for European and Asian energy, minus US LNG, would be catastrophic for their economies, not to mention their level of pollutants that they would incur by



Proud of the people

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WVU receives gifts from BHE GT&S and Hayhurst family

BHE GT&S Foundation donates to Benjamin M. Statler College for lab upgrades

The West Virginia University Benjamin M. Statler College of Engineering and Mineral Resources is enhancing education and research with a \$500,000 gift to support laboratory upgrades.

The gift from the BHE GT&S Foundation supports improvements to the reservoir engineering and core analysis lab, located in the Mineral Resources Building on the Evansdale Campus. Statler College students and faculty use the lab's resources to measure rock properties for coursework and research projects focused on characterizing and modeling oil and natural gas reservoirs to improve recovery operations.

The BHE GT&S Foundation supports programs focused on health, education, community and the environment. The renovated facility will be known as the BHE GT&S Foundation Core/Reservoir Lab in recognition of the foundation's generosity.

Samuel Ameri, professor and chair of the petroleum and natural gas engineering program, said state-of-the-art teaching and research laboratories enable the petroleum and natural gas engineering program to recruit prospective students, provide experiential learning for students, foster research opportunities for students and faculty, and welcome industry leaders to host guest lectures and demonstrations.

"The petroleum and natural gas engineer-

ing program, already one of the highest-caliber programs of its kind in the country, is now even better thanks to the generosity of the BHE GT&S Foundation," Ameri said. "Support like this helps our department recruit high-quality students from across the country and around the world, and it enables our faculty and staff to continue educating and graduating petroleum and natural gas engineers ready for the future. We value our relationship with the BHE GT&S Foundation, and we are truly grateful for the foundation's belief in our institution and support of our efforts to impact our industry in positive ways."

Paul Ruppert earned his bachelor's degree in petroleum and natural gas engineering from WVU in 1986, which launched him into a career in the natural gas industry. He is currently president of BHE GT&S, LLC, an interstate natural gas transmission and storage company headquartered in Richmond, Virginia, with operations in 10 states.

Ruppert said the lab has an important role in teaching students to understand and evaluate formation properties.

"I am proud to be a WVU alumnus and am pleased that the BHE GT&S Foundation can contribute to WVU's future success," Ruppert said. "Everyone appreciates the important work that WVU does to educate future leaders and technical talent."

Hayhurst family donates to WVU athletics to support women's basketball

West Virginia University (WVU) graduates and supporters, the Hayhurst family, have amplified their commitment to WVU athletics by contributing a major gift of \$2.5 million to the WVU women's basketball program.

An endowment of \$2 million will go to naming the head women's basketball coaching position in perpetuity. Additionally, a \$500,000 gift will go to assist the women's basketball team's greatest needs and day-to-day operations.

Vice President and Director of Athletics Wren Baker said, "Our department cannot thank Christy (Hayhurst Davis) and the Hayhurst family enough for their support, trust and loyalty over the years. This gift will be a major asset to the overall success of our women's basketball program."

WVU women's basketball coach Mark Kellogg said, "This will help us continue our push

Member news

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From the Burd's Nest: Crazy little thing called -- fracking

The song, *Crazy Little Thing Called Love* was written in 1979 by Freddie Mercury of the British rock band Queen. Mercury wrote the song as a tribute to his musical heroes Elvis Presley and British singer/actor Cliff Richard. We all know "Elvis", but Sir Cliff Richard (knighted in 1995) was a legendary singer who amassed record sales of over 21.5 million singles in the United Kingdom, and at one time was the third-top-selling UK artist, trailing only to the Beatles and Elvis.

So, what prompted me to construct an article from a Queen song? Well, Freddie Mercury recognized that, at least in part, his success could be attributed to two people that paved the trail to his accomplishments. Just for the sake of this article, Mercury tied his song to the honor of two men in the music industry, I will tie my article to some of those that pioneered hydraulic fracturing, applied it to horizontal well bores and who deserve to be remembered.

Today, the natural gas and oil industry is paving the trail to regain not just our energy independence, but to regain our global energy dominance. However, the pathway is strewn with potential roadblocks that ultimately place our efforts in jeopardy. One such obstacle is the difference between our two political parties and how those differences will eventually play out on Nov. 5.

The differences in our two candidates and their respective party platform positions on the economy, the border, inflation, debt, interest rates, taxes and tax breaks, to name just a few, have been water cooler conversation for three and a half years.

With regards to energy, the one discussion point that has risen to a level never experienced before is that of the use of this "crazy little thing called hydraulic fracturing (HF)". I will not waste time explaining hydraulic fracturing. We all know how important this practice of artificially stimulating the natural gas and oil producing formations is to our nation's energy abundance, dominance and security.

From a historical perspective, the idea for fracking—or "shooting a well," as the practice was once referred to—dates to 1862 and has been credited to a Colonel Edward A. L. Roberts. During fighting during the Civil War's Battle of Fredericksburg, Roberts noted the impact that artillery had on narrow, water-filled channels. A few years later, he applied his battlefield observations to the design of an "exploding torpedo" that could be lowered into an oil well and detonated, shattering surrounding rock. When water was then pumped into the well, oil flows increased—in some cases by as much as 1,200 percent—and fracking was established to increase a well's productive potential.

In the mid 1940's Floyd Farris (Stanolind Oil & Gas) began studying the relationship between oil and gas production and the amount of pressure on a well. Experimentation on hydraulic fracturing began in earnest in Oklahoma in1947. A mere two years later, March,1949, a team of petroleum production experts converged on an oil well about 12 miles east of Duncan, Oklahoma, to perform the first commercial application of hydraulic fracturing. Later that day, Halliburton and Stanolind Company personnel successfully fractured another oil well near Holliday, Texas. Thus, the birth of hydraulic fracturing! The first example of horizontal drilling can be traced to the limestone formation in the Hugoton Gas Field in Kansas.

Since those humble beginnings, oil and natural gas companies have learned that pressurized water, sand and additives, injected into sandstone and shale formations, loosen the shale and release natural gas and oil. Millions of such wells have been placed into service in the United Stated and around the world.

The first well hydraulically fractured in West Virginia occurred in July 1953. In the mid to late 1980s, oil engineers in Texas began combining fracking techniques with horizontal drilling, using higher volumes of pressurized water and

Crazy little thing

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WV Oil & Gas Festival celebrated Lloyd Jackson II as Oil and Gas Person of the Year







Clockwise from top left: Lloyd Jackson II received his 2024 WV Oil & Gas Festival Person of the Year plaque from 2023 honoree Jim Crews. Trina and Lloyd Jackson posed with all five members of Festival royalty. Above, Lloyd and Trina took their places for the parade, where he was Grand Marshal. Below left, previous honorees gathered



(from left), Charlie Burd (2017), Marc Halbritter (2021), Lloyd Jackson II (2024), Jim Crews (2023), Don Nestor (2009) and Lori Miller Smith (2022). Center left are Trina and Lloyd Jackson II.



WV Childcare Survey Request

The Gas and Oil Association of West Virginia is taking this opportunity to assist the New River Gorge Economic Development Authority in its efforts to conduct a survey of all businesses in West Virginia relating to the issue of access to childcare across the state. The EDA's goal is to obtain real and pertinent data to reflect the needs of the business community. Please use this link to access and complete the survey: https://west-virginia-businesses-child-care-survey-region1.hub. arcgis.com/

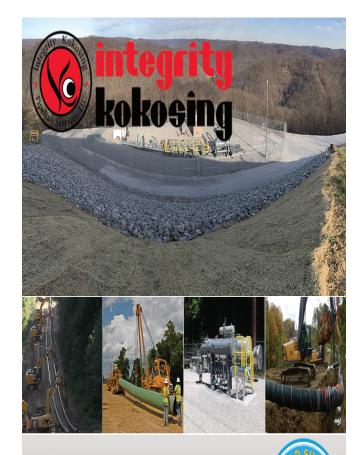
The New River Gorge Economic Development Authority believes the availability of reliable and affordable childcare is a critical factor influencing workforce participation and economic growth. In West Virginia, businesses face unique challenges related to recruiting and retaining a stable workforce, particularly in regions where childcare options are limited. To better understand how these challenges affect business operations and economic development, we support this effort. For more information regarding this survey, please contact Jina Belcher at jbelcher@nrgrda. org

Register now for upcoming GO-WV events:

Driver Safety Training

Excavator Safety Training

Tax Seminar



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Tim Seibert, President tps@integritykokosing.com













Upcoming events for your review

October 7, 2024

WVMA 2024 Legislative Reception & Dinner

Charleston Coliseum & Convention Center Charleston, WV

October 10-11, 2024

Chainsaw & Tree Felling Course

WVU Research Forest, Morgantown, WV Info: Chainsaw course

October 15-18, 2024

OSHA 5810 Hazards and Standards Course

One Waterfront Place, Morgantown, WV Info: OSHA 5810

October 21, 2024

Apex 10th Annual Charity Golf Outing

Berry Hills Country Club, Charleston, WV Info: katucker@apexpipeline.com

October 22-23, 2024

2024 West Virginia Broadband Summit

Embassy Suites, Charleston, WV

October 23, 2024

GO-WV Safe Driver Course

Stonewall Resort, Roanoke, WV Info: www.gowv.com/

October 25-27, 2024

Governor's One-Shot Whitetail Hunt

Stonewall Resort, Roanoke, WV

October 28-30, 2024

IOGCC Annual Conference

Cheyenne Mt. Resort, Colorado Springs, CO

Info: iogcc

October 28-30, 2024

IPAA Annual Meeting

The Boca Raton Resort, Boca Raton, DL Info: ipaa.org

October 29-30, 2024

WV Energy Summit

Charleston Coliseum and Convention Center Charleston, WV

Info: energywv.org

November 6, 2024

Excavator Safety Training

1500 Grand Central Ave., Suite 118 Parkersburg, WV

Info: www.OHIO811.org

November 7, 2024

2024 Gas & Oil Tax & Accounting Seminar

Virtual format

Info: Tax seminar registration

November 7, 2024

Excavator Safety Training

355 Wharton Circle, Suite 235

Triadelphia, WV

Info: www.OHIO811.org

November 7, 2024

DUG Appalachia 2024

David L. Lawrence Convention Center

Pittsburgh, PA

February 19-20, 2025

GO-WV 2025 Winter Meeting

Charleston Marriott Hotel, Charleston, WV

March 26, 2025

GO-WV Gas & Oil Day at the Legislature

State Capitol, Charleston, WV

August 3-5, 2025

GO-WV Summer Meeting

The Greenbrier, White Sulphur Springs, WV

August 2-4, 2026

GO-WV Summer Meeting

The Greenbrier, White Sulphur Springs, WV





GO-WV Board welcomes 10 new members in September

Please join the GO-WV Board of Directors in **Equipment Share ISP** welcoming these members approved in September: 600 New Goff Mountain Rd. Cross Lanes, WV 25313 **ISP A&B Stainless Valve** Jason Miller 520 Route 513 Mobile: (724) 243-0528 P0 Box 325 jason.miller@equipmentshare.com Califon, NJ 07830 Phone: (908) 832-7121 **GAI Consultants PRO Brian Bergen** 107A Cambridge Place Mobile: (973) 202-0634 Bridgeport, WV 26330 brian@abstainless.com Phone: (304) 933-5219 www.abstainless.com **Jason Lockard** Mobile: (304) 677-3877 BioSqueeze Inc. **ISP** j.lockard@gaiconsultants.com 130 N Main St. www.gaiconsultants.com Butte, MT 59701 **Brvce Yeager ISP M&A Energy Services** Mobile: (406) 616-3440 264 Industrial Park Rd. justin.sable@kingslycompression.com Jane Lew, WV 26378 www.enspireenergy.com Phone: (304) 805-2157 P. Wayne Ammons **Chisler Brothers Contracting ISP** Mobile: (304) 439-4357 PO Box 101 wammons@ma-resources.com 4607 Mason Dixon Hwy. www.ma-resources.com Pentress, WV 26544 Phone: (304) 879-5511 **Martin Contracting ISP** Van Chisler 2371 Irvine Rd. Mobile: (304) 282-0049 Richmond, KY 40475 office@chislerbros.com Phone: (859) 623-0112 **Shawn Martin** Cogar Right of Way Clearing **ISP** Mobile: (931) 224-2518 785 Bennett Ave. maryjo@martincontracting.net Webster Springs, WV 26288 www.martincontracting.net Phone: (304) 847-2714 (304) 847-7344 Fax: **Sub Zero Solutions ISP Thomas Cogar** 1018 Bracken Lane Mobile: (304) 644-5470 Ripley, WV 25271 tclumber@outlook.com Phone: (304) 531-5987 cogarrightofwayclearing.com



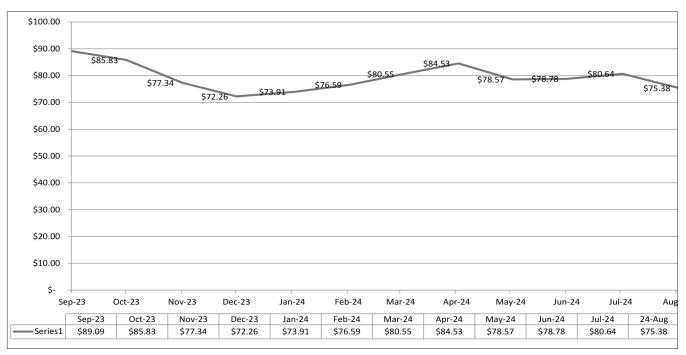
New members

Lucas "Shay" TaylorMobile: (304) 531-8835

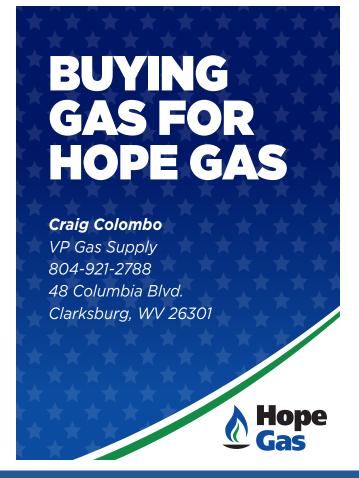
subzerosolutionsllc@yahoo.com

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Monthly Appalachian Basin crude oil prices









2024 Sports Weekend highlights

The 2024 Sports Weekend was a rousing success with perfect weather! Friday's events started at the Bridgeport Country Club with a full day of golf, followed by a lunch buffet, musical entertainment from DJ Don Niles and the presentation of awards. Saturday was highlighted by the nail-biting, come-from-behind WVU football win over the Kansas Javhawks.

Shown below at lunch is Aflac's Zac Dunham along with other Sports Weekend golfers.



Friday's golf tournament saw the team of Phil Reale, Jim Fealy, Phillip Reale and Michael Veres take top honors. Finishing in second were Josh Zontek, Michael Johnson, Alec Sutton and Tyler Rogers.



Team Equipment Share featured, from left, Eduardo Ruiz, Taylor Kuhn, Stephen Stopyra and Tim Mosco.

Individual honors went to:

- Closest to the pin on hole 8, Jason Bush;
- Closest second shot on hole 11, Philip Reale;
- Longest drive on hole 10, Austin Curry; and
- Longest putt on hole 18, Ralph Bolyard.



Representing Team Jay Bee Oil & Gas were, from left, Kyle Grubaugh, Austin Clark, Jason Bush and Justin Dugas.

New members

Continued from page 8

ISP

Trademark Aviation Holdings

200 Hart Field Rd. Morgantown, WV 26506

Phone: (304) 554-9739

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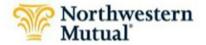


Thanks to our Sports Weekend sponsors

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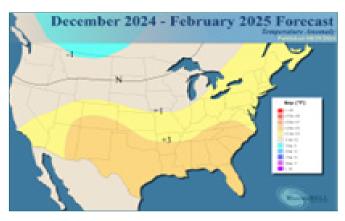








WeatherBELL: Winter update preview

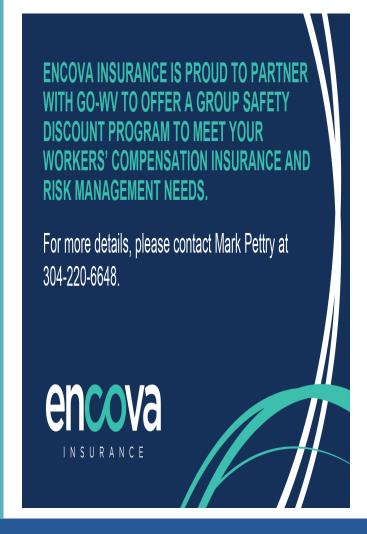


For more information about WeatherBELL's services and to get the hot-off-the-press forecast updates, please visit our website www.weatherbell.com or contact us at sales@weatherbell.com.

After a very impactful hurricane season, eyes will be quickly turning to winter. Hurricane seasons that are very active at the end typically correlate to having a cold stretch in December after a warm November.

A weak La Niña is expected this winter. There tends to be variability to the north with a persistent Southeast ridge, and that is the current expectations for the heart of the winter.

So despite the expected fast start, overall for the winter we expect the coldest air, relative to normal, to be in the Northwest and across parts of Canada. Warmth will be most persistent in the Deep South while the East Coast could still see some big snowstorms.









Thinking differently creates wins

If we do and think the way we always have, we can't expect much to change. We will always get similar results. The thinking that got us to where we are today won't take us to the next level.

Last week, Shale Crescent USA was announced as a finalist for the 26th Annual Platts Global Energy Awards. Finalists represent 33 different countries from Europe, Asia and the Americas. The 2024 finalists, nearly 56% of which hail from outside of the United States, were just announced by program host S&P Global Commodity Insights, the leading independent provider of information, data, analysis and benchmark prices for the energy, petrochemicals, metals, shipping, commodities and energy transition markets.

Shale Crescent USA is a finalist in the **Energy Transition Award – Downstream** category. The Platts Global Energy Awards recognize corporate

and individual innovation, leadership, and exemplary performance in 19 categories spanning the entire energy and chemicals value chain. Winners of the 26th annual Platts Global Energy Awards will be announced the evening of December 12 at a black-tie gala in downtown Manhattan. The winners are determined by an independent judging panel of international energy experts whose backgrounds and experiences include regulation, policymaking, corporate leadership, trading, and strategic consulting. S&P Global Commodity Insights nor its event sponsors submit votes or select winners.

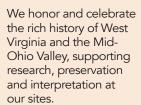
Energy transition isn't new. It goes back to the beginning of mankind. Initially energy was from human muscles like walking for transportation and all work to be done. Animals were tamed for transportation and work like plowing fields to grow crops for food. Energy from fire kept people warm, gave light at night and cooked food. Wood and animal manure were the initial fuels and are still used today in some developing countries.

Wind was the fuel to fill sails and transported explorers all over the world. It replaced men using oars to row boats. Wind was responsible for the discovery and development of the Americas and ultimately global trade. Unfortunately, wind is inconsistent. The steam engine fueled by wood and later coal replaced wind as a dependable fuel for ocean vessels and railroad locomotives. Water was used to turn stones for grinding, running sawmills and eventually machinery in factories. Its use was limited to locations with sufficient water. Manufacturing has always followed energy. The industrial revolution started in England and spread to Europe fueled by abundant coal which was later used to produce electricity.

Whale oil was used for lighting and to produce products. Whales were almost hunted to extinction saved only by the discovery of crude oil in the 1860s in places like Titusville, PA and Burning Springs, WV. Crude oil not only Thinking dfferently Continued on page 16



The Oil, Gas and Industrial Historical Association, West Virginia's only multi-site museum, highlights the history and present day impact of oil and gas in the Appalachian Basin.









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Learn more www.oilandgasmuseum.org



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Congressman Alex Mooney visits GO-WV

Recently, Congressman Alex Mooney (R-1) took the opportunity to visit with GO-WV President Charlie Burd. Burd said the two had a great discussion regarding the state of the oil and natural gas industry in West Virginia and the country, and the benefits it provides to both the state and the nation. Mooney said, "The schedules of two busy men make it a challenge to get them together, but when it works out you usually have great relationships." He thanked Burd for his time and scheduling flexibility. GO-WV appreciates Congressman Mooney's efforts during his service and wishes him much success in his future endeavors.



Proud of the people

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using coal for the foreseeable future.

As I made the long trek from Erie to Charleston, I had six hours to think about everything that had transpired over the last few weeks, and I felt proud to be part of the fraternity that tries to give back so much to the community and to the world, and at the same time I felt sorry for the people

who think that the same fraternity is responsible for so much pain and suffering in the world. Abraham Lincoln said "You can please some of the people some of the time, all of the people some of the time, some of the people all of the time, but you can never please all of the people all of the time." Truer words have never been spoken.

Tax seminar

Continued from page 1

IT Security

This year's presentation will include an update on Tax Reform and updates on not only various federal, state and local taxes, but will approach each area to explain how oil and gas investors, operators, royalty owners, service companies and professionals should maximize tax and economic benefits. Planning for current and future opportunities and challenges will be emphasized. Baker Tilly presenters will utilize their years of experience in the oil and gas industry to explain key tax benefits as well as standard tax issues that everyone in the oil and gas industry should be aware of and plan for.

After completion of the course, participants will be able to address current accounting and tax issues in the oil and gas industry for themselves and their companies, have increased awareness of IT security issues and maximize their tax benefits.

There are no prerequisites required for this update level course, and no advance preparation is needed for this course recommended for 7.0 CPE credits in the areas of accounting, taxes, information technology and specialized knowledge. CLE credits are available by self-reporting to the appropriate state bar association.

All instructors are provided by Baker Tilly and include: Marlin Witt, Partner, CPA, CFP, CGMA; Bill Phillips, Partner Emeritus, CPA; Tyler Cornell, CPA; Chad Parker, CPA; Jonathan Jones, CPA; and Benjamin Ellis, Director, Technology.

You can <u>register online</u> or use the form found on page 21 in this issue.



replaced whale oil, it became a transportation fuel for ships, cars, trucks and planes. Natural gas, produced with oil, was initially flared in order to produce oil. Natural gas was found useful for street lights, heating and producing electricity.

Natural gas and natural gas liquids became valuable feedstocks to manufacture thousands of essential products today. West Virginia played a large part in the petrochemical industry starting in the 1920s with the first ethane cracker by Union Carbide in Clendenin, West Virginia.

The USA was fueled primarily by coal, oil and natural gas until a transition to nuclear power started after WWII. In the 1970s the USA was believed to be running out of oil and natural gas. A chemical engineering professor at WVU told us the USA had only a 9-year natural gas supply. The house where we grew up in Pittsburgh still has a natural gas stove over 50 years later. The USA was transitioning to nuclear power until the 1979 accident at 3-Mile Island in Pennsylvania. No one was killed but it scared a lot of people. It made nuclear power plants harder to build. Then in 1986 there was an explosion in a nuclear reactor at Chernobyl in Russia. People died and radioactive material was released ending the planned energy transition to nuclear power. The town of Chernobyl is still uninhabited today. Small modular nuclear reactors are now being discussed as a future energy source.

In 1983 on our first family visit to Epcot's energy attraction at Walt Disney World, wind and solar were touted as our future energy sources. After over 40 years, in spite of an energy crisis wind and solar aren't a replacement for fossil fuels. They are fossil fuel products and will be helpful in meeting some of our energy needs. There will be an energy transition as there always has been since the beginning of mankind. Transition to what, is yet to be seen. The fuel of the future could be hydrogen, nuclear, geothermal, all of the above, something yet to be seen or even decarbonized natural gas.

In the Energy Transition Award – Downstream, Shale Crescent USA is recognized for its unique approach to energy transition by changing how transition is thought about. Dramatically increased electric power demand for data centers, AI and dependable economical energy required for expanding U.S. manufacturing and onshoring are considered. An estimated additional 100 Giga Watts of power is needed by 2030. It will be a challenge. For a power plant to get approval to access the electric grid takes years.

Natural gas has already reduced U.S. emissions. Marcellus and Utica gas delivered from Cove Point, MD helped to clean the air and lower emissions in India and Japan. Creative thinking can allow natural gas to do even more to lower global emissions. Pilot projects are already under way to make natural gas a carbon neutral fuel for electricity.

From actual projects Shale Crescent USA found thinking regionally, expanding manufacturing in the Shale Crescent region instead of importing from China reduced global emissions. Onshoring and buying American reduces imports and global emissions. Working to decarbonize current dependable economical fossil fuel energy sources while searching for future energy sources reduces global emissions and can keep electricity on for millions of Americans.

I am amazed by AI's capabilities in my work. AI and data centers require massive amounts of 24/7/365 electricity. Large companies building data centers and using AI are beginning to understand dependable electricity is more important than "green" power. They are starting to understand, for the foreseeable future natural gas is the only fuel able capable of meeting their power demand.

Today's thinking won't solve tomorrow's problems. Executive Producer, S&P Global Commodity Insights, Allison Sacco said, "Platts Global Energy Awards has a long history of honoring industry pioneers whose vision and dedication power the progress and innovation of tomorrow. We are delighted to celebrate those who illuminate the path to a more sustainable future."



toward competing for Big 12 Conference and NCAA Championships."

Natives of West Virginia, who grew up in Buckhannon, the Hayhursts have been longtime supporters of WVU and Mountaineer athletics. The Hayhurst family is pleased that this gift will ensure continued support for the coach, staff and players in the classroom and on the court.

Siblings, Ronald, the late Robert, and the late Robin Hayhurst, were all first-generation college graduates at WVU. Ronald earned his degree in accounting, while Robert and Robin earned degrees in sport management. Their passion for WVU athletics and academics has been passed down to the next generation with Robert's daughter, Christy Hayhurst Davis and her husband James Davis (both graduates of the Benjamin M. Statler College of Engineering and Mineral Re-

sources) and continuing on to their three daughters.

"The WVU women's basketball team, under the leadership of Coach Kellogg, along with his coaches and staff, has done a tremendous job in attracting new and developing existing members of the team to ensure their success both athletically and academically," Christy said. "Our family is happy to support them and the program into the future, as they continue to represent all West Virginians and develop the female leaders of tomorrow."

The gift is the second endowment for a WVU head coaching position the Hayhurst family have made, gifting the rifle program \$1 million in 2022.

The Hayhurst family's gift was made through the Mountaineer Athletic Club in conjunction with the WVU Foundation, of which Christy Hayhurst Davis is a board member.

Get your GO-WV license plate now!



Click here for the application or see page 20.



improved additives designed to release natural gas trapped in shale formations that hadn't been reachable through vertical drilling. Today, I listen in disbelief that this "crazy little thing called hydraulic fracturing" is somehow "new"—hell, this technology is 75 years old!!

With all that said, allow me to show you the dramatic results of applying this technology to the Marcellus and Utica Shales here at home. Here are the latest West Virginia facts comparing pre and post horizontal drilling utilizing hydraulic fracturing:

	<u>2008</u>	<u>2023</u>
Conventional		
gas production:	253.7 B cf	110.4 B cf
Non-conventional		
gas production:	6.0 B cf	3.1 T cf
Conventional		
producing wells:	52,350	57,727
Non-conventional		
producing wells:	168	4,675
Severance taxes paid	\$87.9 M	\$713.8 M
Severance taxes paid	2008-2024:	\$3.29 B illion

Just like Elvis and Cliff Richard elevated the pop charts in the 1960's and 70's, hydraulic fracturing has taken this business of exploring, drilling, and producing oil and natural gas to levels once believed unimaginable. In 2020, this country was energy dominate. However, with a change in administration in DC, coupled with an acceptance of those supporting an anti-fossil fuel agenda, producing oil and natural gas has certainly become more challenging.

As we reflect, just after the beginning of the shale revolution back in 2008, the allegations of degradation to water and threats to public health and wellbeing were running rampant. The industry here in WV and the nation rose to combat such allegations, and within a short period of time, leaders came forward to dispel the fear mongering and hollow allegations. Let's remember these words from:

May 2011: Lisa Jackson, the U.S. Environmental Protection Agency stated the agency was "not aware of any proven case where the fracking process itself has affected water."

- November 2011: In an interview with "EnergyNOW", Jackson stated, "We have no data right now that leads us to believe one way or the other that there needs to be specific federal regulation of the fracking process".
- February 2012: Ken Salazar, Secretary of the Interior, stated before a House committee hearing that, "...there's a lot of hysteria that takes place now with respect to hydraulic fracking and you see that happening in many of the states, so part of what you will see in this budget is the continuing study of hydraulic tracking. My point of view based on my own study of hydraulic tracking is that it can be done safely and has been done safely hundreds of thousands of times.

The future of hydraulic fracturing and horizontal drilling remains very promising. Americans have quickly discovered the difference between safe, affordable, reliable natural gas energy verses wind and solar options that, at best, is more costly, provides energy on an intermittent basis and that relies on construction materials produced in countries that do not necessarily like us. Our success is remaining vigilant in our efforts to advance our message of energy reliability and affordability.

Freddie Mercury wrote his song in tribute to his musical heroes. I write this article in tribute to those that have been publicly credited for developing and pioneering hydraulic fracturing and those that applied it to horizontal drilling technology.

Here are but a very few of those that pioneered this opportunity: Colonel Edward A. L. Roberts, Floyd Farris, Stanolind Oil & Gas; Harold Hamm, Continental Resources; Ray Walker, Range Resources; and George Mitchell, Mitchell Energy (identified as the father of modern hydraulic fracturing).

Let me close this article by saying that this *Crazy Little Thing Called Love* – is really "this great little thing called hydraulic fracturing," which we love more!

Thanks to the American Oil & Gas Historical Society, Hart Energy and other on-line data used in this article.



WVU, in conjunction with OSHA Training Institute Education Centers, will be offering a course on "Hazards Recognition and Standards for Onshore Oil and Gas Exploration and Production." This OSHA 5810 training will take place October 15-18 at One Waterfront Place in Morgantown.

Participants will discover key strategies for identifying hazards and staying compliant with industry standards on on-shore oil and gas exploration. It provides essential information for employees and employers to protect themselves by developing the knowledge and skills to anticipate, recognize, evaluate and control hazards common to the on-shore oil and gas exploration and production industry. This includes work sites including, but not limited to, construction, drilling, completion, well servicing, production, product gathering and processing, and product transmission. For more information and to register, click here.

The Driving Safey seminar will be conducted as part of the ongoing partnership between GO-WV and Encova Insurance and will be presented by Veriforce. This training will focus on driving safety in the oil and gas industry.

The Safe Driver course is rigorously developed to combat the high incidence of Serious Injury and Fatality (SIF) crashes involving personal and light-duty company vehicles in the oil and gas industry. Extending beyond business operations, this course also focuses on the safety of personnel during their daily commutes. The course is tailored toward any employee operating a motor vehicle in the industry, particularly the Appalachia and Marcellus regions. The course will help identify safety solutions by combining legal requirements, safety controls and best practices to mitigate driving hazards. It is intended to significantly reduce the current trend of vehicle related SIF incidents.

The Safe Driver course is a 4-hour course that includes the following components:

- Incident Statistics and impact of SIF crashes
- Preparing to Drive: Emphasis on seat belt usage, visibility, vehicle inspection and vehicle ergonomics
- The Big Five: Speeding, Tailgating, Distracted Driving, Fatigue and Drug &

- Alcohol
- Dynamic Roadway: Navigating situational awareness, intersection and potential hazards
- Industry-Endorsed Safe Driving Tools and Policies: Journey Management, Parking considerations and the role of Telematics
- Oil & Gas Driving Hazards: Specific challenges and hazards in the industry and region

Veriforce's Safe Driver course will take place on Wednesday, October 23rd, from 10:00 a.m. to 3:00 p.m. at Stonewall Resort's Roanoke Event Center. The cost to attend the course is \$75 per person. Lunch will be provided.

To register for and/or sponsor the Veriforce Safe Driver Training, go to www.gowv.com/ events or call GO-WV at 304-344-9867.

The final training seminar is a partnership between WV 811 and OH 811 and will be two Excavator Safety Seminars. These FREE excavator seminars are vital opportunities that provide underground damage prevention education, law updates, industry news and information on Universal Marking Standards. These seminars will include a Q & A segment and provide the opportunity to collaborate with industry professionals from both OH 811 and WV 811. There are many similarities in the dig laws for each state, but there are also some distinct differences. These seminars will provide an overview of each state's laws and highlight the differences for those organizations that may operate in both. The objective at the end of the session is to increase knowledge and provide resources in an effort to reduce damages across the industry.

The Excavator seminars will take place at the following:

- Wednesday, November 6th Grand Pointe Conference Center 1500 Grand Central Ave., Suite 118 Parkersburg, WV 26105
- Thursday, November 7th
 The Highlands Event Center
 355 Wharton Circle, Suite 235
 Triadelphia, WV 26059

To register for and/or sponsor the Excavator Safety Seminar, go to www.OHIO811.org or call OH811 at 800-311-3692.



DMV-54-GO Rev 05/21

West Virginia Department of Transportation

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Division of Motor Vehicles

Application for a Gas & Oil Association of WV License Plate

1-800-642-9066 dmv.wv.gov

Applicant's Name	PLATE SAMPLE	A) Applicant/Owner(s) Information • Use Name(s) of Owner(s) as shown exactly on current registration card that you wish to register the license plate
Make	\$ 60000	Name(s) on RegistrationStreet Address
C) Insurance Information Effective Dates of Policy From: To: Policy No	B) Vehicle Information	
Effective Dates of Policy From: To: Policy No Insurance Company NAIC Number Insurance Agent	Make	Year Title No.
Effective Dates of Policy From: To: Policy No	VIN No.	Current Plate No.
Insurance Company	C) Insurance Information	
Insurance Company	Effective Dates of Policy From:	
Insurance Agent D) Applicant Certification		
I certify that all information on this application is true and correct and if I cease to be in good standing with the above organization, I will immediately return the special license plate to the Division of Motor Vehicles. (X) SIGNATURE OF APPLICANT DATE Phone No. (
(X) SIGNATURE OF APPLICANT DATE Phone No. () - E) Application Information 1. Anyone is eligible to apply for a Gas & Oil Association of WV license plate. 2. A vehicle must be Class A and have a West Virginia title and license plate in the name of the applicant before a special plate can be issued. 3. The current license plate must be returned to the Division of Motor Vehicles after the special plate is received. After issuance of the	D) Applicant Certification	
E) Application Information 1. Anyone is eligible to apply for a Gas & Oil Association of WV license plate. 2. A vehicle must be Class A and have a West Virginia title and license plate in the name of the applicant before a special plate can be issued. 3. The current license plate must be returned to the Division of Motor Vehicles after the special plate is received. After issuance of the		
E) Application Information 1. Anyone is eligible to apply for a Gas & Oil Association of WV license plate. 2. A vehicle must be Class A and have a West Virginia title and license plate in the name of the applicant before a special plate can be issued. 3. The current license plate must be returned to the Division of Motor Vehicles after the special plate is received. After issuance of the	(X)	
 Anyone is eligible to apply for a Gas & Oil Association of WV license plate. A vehicle must be Class A and have a West Virginia title and license plate in the name of the applicant before a special plate can be issued. The current license plate must be returned to the Division of Motor Vehicles after the special plate is received. After issuance of the 	SIGNATURE OF APPLICANT	DATE
2. A vehicle must be Class A and have a West Virginia title and license plate in the name of the applicant before a special plate can be issued 3. The current license plate must be returned to the Division of Motor Vehicles after the special plate is received. After issuance of the		
3. The current license plate must be returned to the Division of Motor Vehicles after the special plate is received. After issuance of the	, , , , , , , , , , , , , , , , , , , ,	·
special plate, the exchanged plate is canceled and cannot be transferred to another vehicle. There are no refunds.	3. The current license plate must be ret	rned to the Division of Motor Vehicles after the special plate is received. After issuance of the
4. A \$91.50 fee will cover the cost of the license plate for the 1st year or a portion of the 1st year. This is a flat fee for all applicants and is		

5. Send the application and the \$91.50 check or money order payable to Gas & Oil Association of WV at the address listed below. Please include your personal property tax receipt or an affidavit from the assessor if your registartion is expiring within 60 days of your application.

*** OFFICE USE ONLY BELOW THIS LINE

Gas & Oil Association of WV c/o Charlie Burd 300 Summers St. Suite 820 Charleston, WV 25301



OFFICE STAFF INSTRUCTIONS:

not prorated. This plate will expire on July 1st every year and have a renewal fee of \$66.50.

Insert the plate numbers on the plate diagram to the left and submit this form to the WV DMV for recording and processing. Be sure to retain a copy for your records.

2024 Oil and Natural Gas Accounting and Tax Seminar

Virtual format | November 7, 2024, Class 9:00 a.m. - 4:00 p.m.

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Please mail registration with payment by November 3, 20	24 to: GO-WV, 300 Summers St., Ste	e. 820, Charleston, WV	25301	NO REFUNDS AFTER November 3, 2024.

About this course:

Program: Oil and Natural Gas Accounting and Tax 2024; CPE Credits for Accountants: 7.0; Field of Study: Accounting (1.0); Taxes (3.0); Information Technology (1.0); Specialized Knowledge (2.0). After the seminar is completed please report completion of the activity within 30 days though the WV State Bar Membership portal at www.mywbar.org. Course Name: 2024 Annual Oil and Gas Tax and Accounting Seminar; Course Date: 11/07/2024.

Instructors: Marlin Witt, Partner, CPA, CFP, CGMA; Bill Phillips, Partner Emeritus, CPA; Charlene Tenney, Supervisor, Business Outsourcing; Chad Parker, CPA; Jonathan Jones, CPA; Benjamin Ellis, Director, Technology. Instructional Delivery Method: Webinar; Program Level: Update; Prerequisites: None; Advanced Preparation Needed: None; Who Should Attend: Oil and gas investors, operators, royalty owners, service companies and professionals; Program Description: This year's presentation will include an update on Tax Reform and updates on not only various federal, state and local taxes, but will approach each area to explain how oil and gas investors, operators, royalty owners, service companies and professionals should maximize tax and economic benefits. Planning for current and future opportunities and challenges will be emphasized. Baker Tilly presenters will utilize their years of experience in the oil and gas industry to explain key tax benefits as well as standard tax issues that everyone in the oil and gas industry should be aware of and plan for; Learning Objectives: After completion of the course, participants will be able to address current accounting and tax issues in the oil and gas industry for themselves and their companies, have increased awareness of IT security issues, and maximize their tax benefits.



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