

SERVING SOUTHEASTERN OHIO & NORTHERN WEST VIRGINIA'S OIL & GAS INDUSTRY

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SOOGA is getting a new look for its 40th Anniversary.



Introducing SOOGA's new logo! Many thanks to Tom Crooks partner of the Stonewall Group (SWG) in Marietta who has graciously donated his time and resources to design an updated look for our organization. SWG is a local business that provides strategic marketing services and you may have seen their videos, webpages, and print as part of Shale Crescent USA, The West Virginia Development Office, The American International Motorcycle Association, Adventures on the Gorge in Southern WV, and the Wilds, just to name a few. Tom and his team are also working with us to produce a special video for our spring meeting and 40th celebration event.



SOOGA CELEBRATING 40 YEARS

Please join us on Thursday, April 19th, 2018, at the Marietta Shrine Club for an evening of celebration with dinner, silent auction and live auction following the Spring Membership Meeting.

Dinner entertainment will be Mark Robinson, a well known comedian/magician and motivational speaker. Mark has standup comedy that has gained rave reviews, an invitation to open for Jeff Foxworthy, and an appearance with late night talk show host Jimmy Kimmel. His abilities as a magician have won multiple awards, numerous engagements at Harrah's Casinos, and an invitation to perform for the prestigious academy of magical arts in Hollywood. Mark has toured China three times as well as a command performance for the Incredible Acrobats of Shanghai. He has also done halftime shows for the NBA, performing at games for the Atlanta Hawks, Golden State Warriors, and Los Angeles Lakers. His unique abilities have been featured in national TV commercials and he has filmed television shows for Warner Brothers, NBC, and ABC. But it's his ability to weave a motivational message into the fun that has made Mark one of the busiest and best motivational speakers in the country.

His comedian magician keynote speech/show has been sought after by dozens of fortune 500 companies as a stress break for meetings, conventions and seminars across the country. Mark has an enthusiastic on stage personality that make him the perfect boredom buster for any award ceremony, meeting, or corporate after dinner entertainment.

See full meeting agenda on page 27.

THE CROW'S NEST

As we look back on the past 40 years, I have enjoyed listening to several legacy members as they recount where it all began. Carl Heinrich, a founding member of SOOGA, remembers that in 1978 many producers in this area faced challenging issues with the River Gas Company's gas purchase policy. Carl said, "River Gas paid \$.15 per MCF for the life of the well contract. Also, they were shutting gas wells in during several months due to lack of local markets. They then offered a new contract process in which a new well had an annual escalation, but then after the first year they refused to do any more increases." This was a significant issue for the producers in this area, and was one of the catalysts for the group to form SOOGA in 1979. Within the first year, SOOGA's membership quickly grew to 70 members and increased over the next 40 years to a peak of 500+ members. The regional issues and concerns are what sparked the formation of SOOGA and today we continue to represent the views and passionately defend our industry in Ohio and West Virginia.



The SOOGA board has been working hard to plan our Spring Membership Meeting and 40th Celebration. I am so excited for this year's event which will be the premier Oil & Gas event in our area and you don't want to miss it! Please refer to page 27 for an outline of the meeting agenda and evening celebration. As always the membership meeting is free to all members and guests. Tickets for the evening celebration will be \$20/person and are limited to 200. Please RSVP to Billie at the SOOGA office as soon as you can to ensure your seat and headcount for dinner. This will be an exciting and fun evening that I hope everyone will attend and share their stories of the past 40 years!

Our organization would not thrive without the generous donations and support from our sponsors. I want to thank all the companies that have already sponsored the 40th celebration event through monetary and auction donations. There is still time to help sponsor the event! Please contact Billie as soon as possible.

We are starting to gather some incredible items for our benefit auction! Those items include commemorative hand engraved Golden Boy rifle, over/under shotgun, hand crafted knives, antique Yellow Dog, Yeti cooler, rounds of golf, baseball tickets including Cincinnati Reds, Cleveland Indians, and Pittsburgh Pirates. There are even items for the softer side of the oilfield like a beautiful handmade quilt, designer purse and more... Please keep the great ideas and donations coming. Once the items are finalized we will publish the list on our webpage.

On another note, SOOGA and OOGA recently met with Chief Simmers of ODNR to discuss recent changes to Form 10. During this meeting it was determined by the Chief that the additional information not included in the previous versions is OPTIONAL and the form used in 2017 will still be accepted. A memo from OOGA was sent in an email to all SOOGA members, communicating recent modifications to the Form 10 with further explanation regarding what items are required and optional when reporting production using the Form 10. Remember, the Form 10 you submit is a public document and any OPTIONAL information you provide is a public record. We suggest providing only the required information or use the previous Form 10 version.

Christy Chavez

President of SOOGA

2018 NEW MEMBERS
SOOGA would like to welcome the following new members:

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 Professional
 USI Insurance Services
 One Hillcrest Drive
 Charleston, WV 25302
 304-347-0774

JERRI AKERS
 Allied-Associate
 EnLink Midstream
 1722 Routh Street, Suite 1300
 Dallas, TX 75201
 214-953-9500

KATHERINE LEGGETT
 Royalty Owner
 1625 Stonehenge Road
 Charleston, WV 25314
 304-340-0015

DONNA LUBIN
 Associate
 The Lubrizol Corporation
 29400 Lakeland Blvd
 Wickliffe, OH 44092
 440-347-5478

CHRISTOPHER WHEAT
 Associate
 DeepRock Disposal Solutions, LLC
 1301 Ashwood Drive
 Canonsburg, PA 15317
 724-884-0101

DAVE CLARK
 Associate
 DeepRock Disposal Solutions, LLC
 1301 Ashwood Drive
 Canonsburg, PA 15317
 724-884-0101

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 304-428-0005

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 740-350-2804

Robert Gerst, Sr.
 Ergon Oil Purchasing, Inc.
 740-516-6623

Steve Sigler
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 330-264-8847

Jim Javins
 Mid-Atlantic Energy
 614-561-3118

Jared Stevens
 Stevens Oil & Gas
 740-374-4542

Barry Bowers
 Huffman-Blowers Inc.
 740-342-5205

Bob Matthey
 Lippizan Petroleum, Inc.
 304-869-3418

Henry (Winnie) Sinnett
 Buckeye Oil Producing Co.
 304-354-7962

Dan Corcoran
 Theisen Brock, LPA
 740-373-5455

Kevin Rothenbuhler
 PDC Energy
 740-336-7831

Brian Chavez
 Heinrich Enterprises, Inc
 740-373-5302



Southeastern Ohio Oil and Gas Association
Gas Committee Report
February, 2018

PRICING

Prices February 13, 2018

| | |
|--|--------|
| NYMEX Settle – Feb. -2018 | \$3.63 |
| One Year NYMEX strip (Mar., 2017 – Feb., 2019) | \$2.74 |
| Summer NYMEX strip for 2018 (April-October) | \$2.66 |
| Winter NYMEX strip – 2018 (Nov., 2018 – Mar. 2019) | \$2.91 |
| TCO Index Posting – <u>February, 2018</u> | \$3.34 |
| DTI Index Posting – February, 2018 | \$2.89 |

GAS STORAGE AS OF THE February 2, 2018 Report

Working gas in underground storage, Lower 48 states

| Region | Stocks | | | | Historical Comparisons | | | |
|---------------|--------------------------|--------------|------------|--------------|------------------------|--------------|----------------|--------------|
| | billion cubic feet (Bcf) | | | | Year ago | | 5-year average | |
| | 02/02/18 | 01/26/18 | net change | implied flow | Bcf | % change | Bcf | % change |
| East | 488 | 525 | -37 | -37 | 527 | -7.4 | 547 | -10.8 |
| Midwest | 543 | 596 | -53 | -53 | 691 | -21.4 | 633 | -14.2 |
| Mountain | 131 | 137 | -6 | -6 | 156 | -16.0 | 242 | -12.0 |
| Pacific | 213 | 220 | -7 | -7 | 210 | 1.4 | 310 | -13.5 |
| South Central | 703 | 719 | -16 | -16 | 996 | -29.4 | 902 | -22.1 |
| Salt | 184 | 169 | 15 | 15 | 338 | -45.6 | 251 | -26.7 |
| Nonsalt | 518 | 550 | -32 | -32 | 659 | -21.4 | 651 | -20.4 |
| Total | 2,078 | 2,197 | - | - | 2,581 | -19.5 | 2,471 | -15.9 |

Summary

Working gas in storage was 2,078 Bcf as of Friday, February 2, 2018, according to EIA estimates. This represents a net decrease of 119 Bcf from the previous week. Stocks were 503 Bcf less than last year at this time and 393 Bcf below the five-year average of 2,471 Bcf. At 2,078 Bcf, total working gas is within the five-year historical range.

(continued to page 6)



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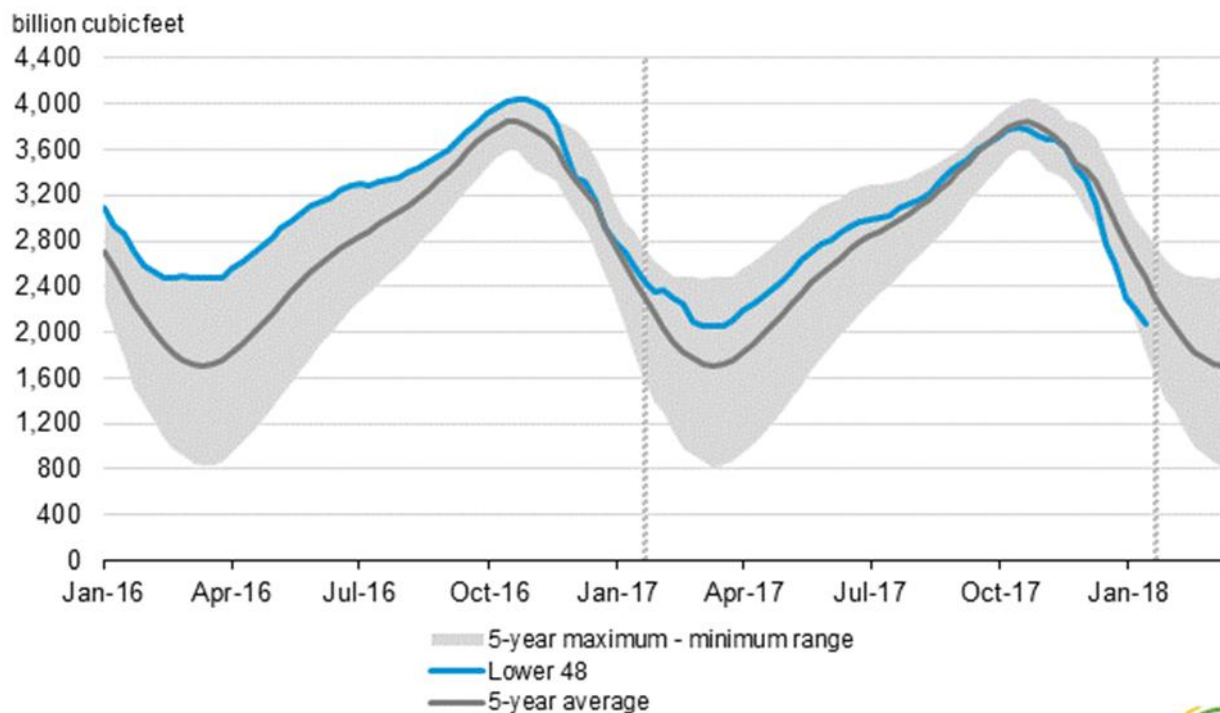
info@flatrock.com

304-554-2000

(Continued from page 4)

For information on sampling error in this report, see [Estimated Measures of Sampling Variability](#) table below.

Working gas in underground storage compared with the 5-year maximum and minimum



Source: U.S. Energy Information Administration



Note: The shaded area indicates the range between the historical minimum and maximum values for the weekly series from 2013 through 2017. The dashed vertical lines indicate current and year-ago weekly periods.

EIA WEEKLY REPORT FEBRUARY 7, 2018:

Natural Gas

Appalachian prices decrease. Tennessee Zone 4 Marcellus spot prices decreased 41¢ from \$2.81/MMBtu last Wednesday to \$2.40/MMBtu yesterday. The weekly average price decreased 17¢, from \$2.64/MMBtu over the last report week to \$2.47/MMBtu over this report week.

Prices at Dominion South in northwest Pennsylvania fell 48¢ from \$2.95/MMBtu last Wednesday to \$2.47/MMBtu yesterday. The weekly average price decreased 23¢, from \$2.86/MMBtu over the last report week to \$2.63/MMBtu over this report week.

Despite these price decreases, the discount to the Henry Hub benchmark price at Tennessee Zone 4 Marcellus and Dominion South narrowed week over week, by 45¢ and 40¢, respectively.

Supply is flat. According to data from PointLogic Energy, the average total supply of natural gas remained the same as in the previous report week, averaging 84.1 billion cubic feet per day (Bcf/d). Dry natural gas production remained constant week over week at 78 Bcf/d. Net imports from Canada also remained the same as last week, averaging 5.8 Bcf/d.

Demand is up. Total U.S. consumption of natural gas rose by 13% compared with the previous report week, according to data from PointLogic Energy. Natural gas consumed for power generation climbed by 9% week over week, and industrial sector consumption increased by 5%. In the residential and commercial sectors, consumption increased by 20%. Natural gas exports to Mexico were the same as last week, averaging 4.5 Bcf/d.

(continued to page 8)

2018 SOOGA Calendar of Events

TENTATIVE

2018 Spring Membership Meeting
April 19th, 2018
Shrine Building

2018 Spring Golf Outing
May 25th, 2018
Lakeside Golf Course

2018 Spring Clay Shoot
June 15th, 2018
Hilltop Sports

2018 Fall Golf Outing
August 24th, 2018
Oxbow Golf Course

2018 Fall Trade Show
September 20th, 2018
Washington County Fairgrounds

2018 Fall Clay Shoot
October 19th, 2018
Hilltop Sports

Fall Gun Giveaway
November, 2018

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(continued from page 6)

- Dry natural gas production is forecast to average 73.6 billion cubic feet per day (Bcf/d) in 2017, a 0.8 Bcf/d increase from the 2016 level. Natural gas production in 2018 is forecast to be 4.9 Bcf/d higher than the 2017 level.
- In September, the average Henry Hub natural gas spot price was \$2.98 per million British thermal units (MMBtu), up 8 cents/MMBtu from the August level. Expected growth in natural gas exports and domestic natural gas consumption in 2018 contribute to the forecast Henry Hub natural gas spot price rising from an annual average of \$3.03/MMBtu in 2017 to \$3.19/MMBtu in 2018. NYMEX contract values for January 2018 delivery that traded during the five-day period ending October 5 suggest that a range of \$2.28/MMBtu to \$4.63/MMBtu encompasses the market expectation for January Henry Hub natural gas prices at the 95% confidence level.

U.S. liquefied natural gas (LNG) exports February 7, 2018.

U.S. LNG exports increase week over week. Six LNG vessels (LNG-carrying capacity 22.6 Bcf combined) departed the Sabine Pass liquefaction facility from January 31 to February 7. One tanker (LNG-carrying capacity of 3.5 Bcf) was loading at the terminal on Wednesday.

According to Bloomberg, Sabine Pass finished 2017 with its highest monthly export total. In December, 25 tankers left the terminal, exceeding the previous monthly highs of 22 tankers in October and November. The [Cove Point LNG export facility](#) in Lusby, Maryland is continuing commissioning work with commercial operations anticipated early this year.

UTICA WELL PRODUCTION

During the third quarter of 2017, Ohio's horizontal shale wells produced 4,165,729 barrels of oil and 460,558,077Mcf (388 billion cubic feet) of natural gas, according to the figures released by the Ohio Department of Natural Resources (ODNR).

Horizontal shale well operators are required to submit production data by the 45th day following the close of each calendar quarter. Operators submit the amount of oil, natural gas and brine that each well produces, as well as the number of days that the well was in production.

Third Quarter – 2017 – Utica Production Volumes:

| <u>2017 QUARTER 2</u> | <u>2017 QUARTER 3</u> | <u>PERCENTAGE CHANGE</u> |
|--------------------------|-----------------------|--------------------------|
| Barrels of Oil 4,044,072 | 4,165,729 | 1.03% |
| MCF Nat. Gas 388,560,451 | 460,558,077 | 1.19% |

The ODNR quarterly report lists 1,796 horizontal shale wells, 1,760 of which reported oil and natural gas production during the quarter. Of the 1,760 reporting oil and natural gas results:

The average amount of oil produced was 2,367 barrels.

The average amount of gas produced was 261,681 Mcf.

The average number of first quarter days in production was 88.

As of February 5, 2018, there have been 2,756 Utica shale permits issued in Ohio, and 2,267 of them have been developed.

There are currently 1,760 Utica shale wells in production, with 24 rigs running.



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**SOUTHEASTERN OHIO OIL AND GAS ASSOCIATION
2018 OFFICIAL BALLOT**

1. You may vote for up to four (4) candidates. This includes any name written in.
2. If you vote for more than four (4) candidates, your ballot will Not be counted.
3. Mark an “x” in the box by the name of each candidate you are voting for including any “write-in”.
4. Mail your ballot to the SOOGA office or bring it to the Spring Membership Meeting.
5. Election results will be announced on Thursday, April 19, 2018 at the Annual SOOGA Membership Meeting.

All mailed in ballots must be received by noon on Wednesday April 18, 2018 in order to be counted

| VOTE | CANDIDATES FOR 2018 BOARD OF TRUSTEES | VOTE | NAME OF WRITE IN CANDIDATES |
|------|---------------------------------------|------|-----------------------------|
| | STEVE SIGLER | | |
| | JARED STEVENS | | |
| | BOB MATTHEY | | |
| | BRIAN CHAVEZ | | |

Vote for no more than four.

(Continued to page 20)

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Oilfield Fire Safety – A problem that can be solved

Fires are an ever present hazard of oilfields, so much so that between 2006 and 2010 the Bureau of Labor recorded 80 fire and explosion related deaths and countless more non-fatal injuries. Something clearly needed to be done, and it was. In March of 2010, OSHA issued an official memo to the entire oil and gas industry that specified requirements for workers to be provided with FR clothing and equipment. The mandates worked, and over the next five years fire and explosion fatalities dropped to just 9. The conclusion is simple. Although oilfields unavoidably feature significant fire hazards, these hazards can be mitigated.

Addressing these hazards is clearly important, but where do you start? For workers, correct use of FR Clothing is one of the best things they can do to protect themselves. To start, FR Clothing comes in two varieties; Flame Resistant and Flame Retardant. While both are capable of providing fire protection, by being both difficult to ignite and self extinguishing, there is a very important difference between them. Flame Resistant Clothing is made of materials that are inherently resistant to fire, while Flame Retardant Clothing is made of materials that need to be specially treated to become resistant to fire. Because of this, Flame Resistant Clothing is frequently regarded as better than Flame Retardant, but the specific needs of your work environment will ultimately determine what you need to wear. Before we move on however, there are two important points that need to be remembered with all FR clothing. First, always remember that Flame Resistant and Flame Retardant are not Fire-proof. FR clothing of any type can and will burn if enough heat is applied to it. However, as long as you remove yourself from this heat, any fire that does take to the clothing will self-extinguish, preventing burns from spreading, and greatly increasing your chance to avoid or limit injury. Second, never confuse FR clothing with Arc-Rated Clothing. Arc-Rated clothing is specifically designed to protect wearers from electrical arc hazards, and on its own is not inherently fire resistant.

Now that we know what FR clothing is, we need to cover its most important rule. FR clothing cannot protect you unless you use it correctly. For jackets, this means that all of their fasteners must be closed, and sleeves may not be rolled up while worn. For gloves, this means that you must have them actually on to be properly protected. To put it simply, any part of your body that is not directly covered by your FR clothing is not protected. Because of this many employers require that workers wear their FR clothing at all times, no exceptions. Wearing your gear correctly isn't enough though. You also need to maintain it properly. FR gear that has damaged fasteners, is saturated with flammable liquids like oil, or is damaged in any way cannot protect you. These conditions compromise your gear's ability to protect you, either by letting flames get in under your clothes, or by rendering it otherwise flammable. Even something as simple as washing your gear incorrectly, such as using bleach or fabric softener, can defeat its fire resistant properties, rendering it useless for fire protection.

Fortunately, all FR clothing features tags and instructions that detail all of this information, so if you are ever unsure of how to properly wear or care for your gear, you can reference the tags for this information. With proper use and maintenance of your FR gear, you can eliminate your risk of serious burns and injuries, almost entirely.

Provided by: Safety Resources Company of Ohio, Inc.

Parkersburg Oil and Gas Museum adds drilling exhibit Dedicated to Marcellus Shale techniques

The Parkersburg News and Sentinel 1/26/18



Photo by Jeffrey Saulton Cutting the ribbon to the new exhibit at the Oil and Gas Museum in Parkersburg were, from left, Charlie Burd, executive director of IOGAWV; Alvyn Schopp, chief administrative officer and regional senior vice president for Antero Resources; Christy Chavez, president of the Southeastern Ohio Oil and Gas Association; Carl Heinrich, a founding member of the board of the Oil and Gas Museum, and Paul Hoblitzell, president of the Oil, Gas and Industrial Historical Association Inc.

PARKERSBURG — After two years of work, an exhibit explaining Marcellus Shale drilling opened to the public Thursday at the Parkersburg Oil and Gas Museum, 119 Third St.

Paul Hoblitzell, president of the Oil, Gas and Industrial Historical Association Inc., said the first-floor exhibit, sponsored by Antero Resources, focuses on the Marcellus Shale.

Alvyn Schopp, chief administrative officer and regional senior vice president for Antero Resources, said the exhibit allows the museum to show the old and new ways oil is drilled in the region. He said the new drills are longer and deeper compared to most of the wells on display at the museum.

“We wanted to do a compare and contrast to how it was done then and the technology today and the things we are using,” Schopp said. *“We’ve included some pictograms to explain how the concept of a horizontal well is unique to the Marcellus and Utica Shale. Nobody is drilling an economical well anymore by drilling straight down.”*

Schopp said the process used to drill the shale areas is amazing to witness due to its size and what they can do with the materials.

Since the drilling is done horizontally, he said, they can drill multiple wells using just one platform, instead of a platform for each well in the oil fields.



Photo by Jeffrey Saulton Paul Hoblitzell, president of the Oil, Gas and Industrial Historical Association Inc., spoke at the opening of a new exhibit at the Parkersburg museum about the Marcellus drilling process.

Charlie Burd, executive director of the Independent Oil and Gas Association of West Virginia, or IOGAWV, said the Marcellus Shale is an important resource.

“The future of energy in West Virginia is a mile and a half under your feet,” he said.

Schopp and Hoblitzell said the exhibit will be a permanent fixture at the museum and maybe expand over time.

Hoblitzell said he hopes to have some improved signage and drawings to help explain the Marcellus Shale drilling process



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GAS PRICING 2018**JANUARY 2018**

NYMEX Settlement: \$2.7380
 Inside FERC/DTI: \$2.290 (Basis: -\$0.448)
 Inside FERC/TCO: \$2.520 (Basis: -\$0.218)
 NYMEX 3-day Average: \$2.6670

FEBRUARY 2018

NYMEX Settlement: \$3.6310
 Inside FERC/DTI: \$2.890 (Basis: -\$0.741)
 Inside FERC/TCO: \$3.340 (Basis: -\$0.291)
 NYMEX 3-day Average: \$3.4470

OIL PRICING 2018**ERGON OIL PURCHASING WEST VIRGINIA MONTHLY AVERAGE**

December Ohio Tier 1: \$57.1042
 December Ohio Tier 2: \$54.1042
 December Ohio Tier 3: \$52.1042
 December West Virginia Tier 1: \$57.1042
 December West Virginia Tier 2: \$54.1042
 December West Virginia Tier 3: \$52.142
 December Marcellus/Utica Condensate: \$44.1042
 December Marcellus/Utica Medium: \$57.1042
 December Marcellus/Utica Light: \$52.1047

January Ohio Tier 1: \$62.6148
 January Ohio Tier 2: \$59.6148
 January Ohio Tier 3: \$57.6148
 January West Virginia Tier 1: \$62.6148
 January West Virginia Tier 2: \$59.6148
 January West Virginia Tier 3: \$57.6148
 January Marcellus/Utica Condensate: \$49.6148
 January Marcellus/Utica Medium: \$62.6148
 January Marcellus/Utica Light: \$57.6148

Tier 1 - 150 + net barrels of crude oil

No more than 2% BS&W (if the BS&W is over 2% it will then qualify for Tier 2 pricing)

Tier 2 - 60-149.99 net barrels of crude oil

Two Stops within 5 miles

Tier 3 - 30-59.99 net barrels of crude oil

Please contact Ergon at 1-800-278-3364 for clarification on split load pricing.

The prices as posted are based upon computation of volume by using tank tables, or as measured by a deduction for all BS&W and correction for temperature deductions or allowances shall be made on the oil purchased shall be free of contamination and/or alteration by foreign substances or chemicals not associated with virgin crude oil. These include but are not restricted to, oxygenated and/or chlorinated compounds.

The Marcellus/Utica Shale produced crude oil will be purchased based on the monthly average for the following postings:

38.0-49.9 API Gravity—**Marcellus/Utica Medium** crude oil

50.0-59.9 API Gravity—**Marcellus/Utica Light** crude oil

60.0+ API Gravity—**Marcellus/Utica Condensate** (formerly posted as Appalachian Sweet Light-ALS).

Other parameters will be evaluated on a farm by farm basis.

You can now find EOP WVA Crude oil Price Bulletin on the internet at:
www.ergon.com

OIL PRICING 2018**AMERICAN REFINING GROUP AVERAGE**

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 Group 2 OH: \$53.34
 Group 3 OH: \$51.34
 12/21 to 12/31 Group 1 OH: \$58.36
 Group 2 OH: \$55.36
 Group 3 OH: \$53.36
 1/1 to 1/10 Group 1 OH: \$60.70
 Group 2 OH: \$57.70
 Group 3 OH: \$55.70
 1/11 to 1/20 Group 1 OH: \$62.94
 Group 2 OH: \$59.94
 Group 3 OH: \$57.94
 1/21 to 1/31 Group 1 OH: \$64.06
 Group 2 OH: \$61.06
 Group 3 OH: \$59.06
 2/1 to 2/10 Group 1 OH: \$62.10
 Group 2 OH: \$59.10
 Group 3 OH: \$57.10

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For questions relating to ARG Group Pricing or Utica / Marcellus Shale pricing, please contact:


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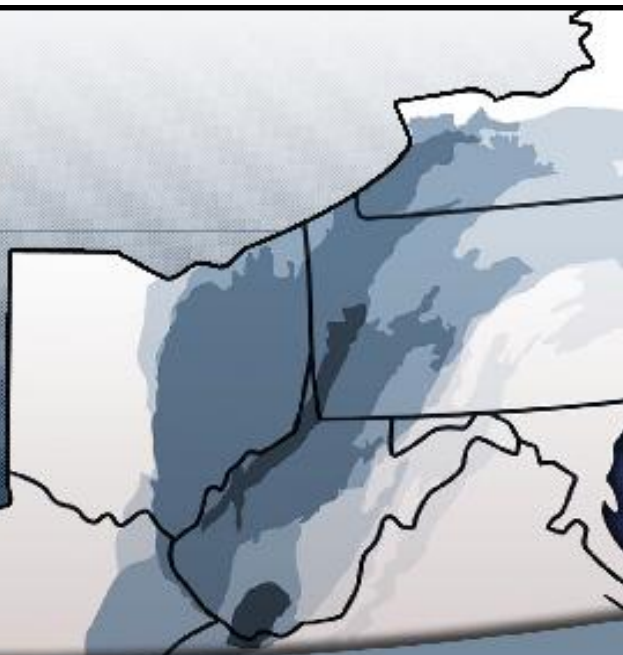
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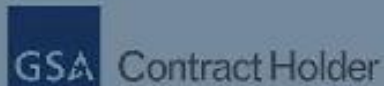


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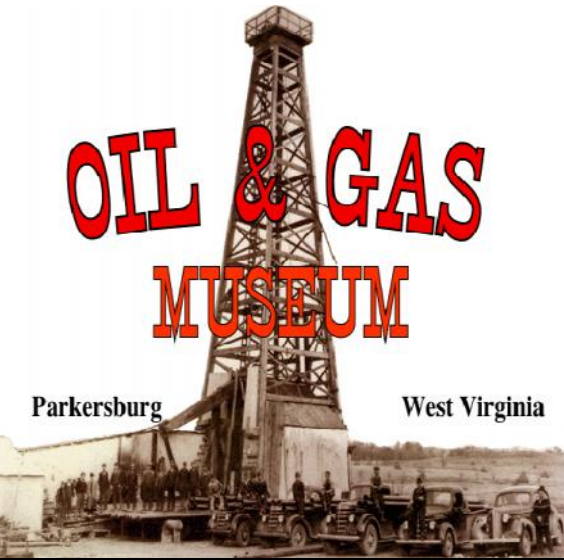
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Quake attributed to natural causes Critic blames fracking

Jan 31, 2018 Reporter JPatterson@Mariettatimes.com

Though the small earthquake Friday was barely noticed by local residents, it was enough to catch the attention of those with political aspirations.

The 2.6-magnitude quake was noted by the U.S. Geological Study at 8:20 a.m. just south of Ohio 676 between Hickman and Smith roads in Palmer Township.

Werner Lange, a Democratic congressional candidate who plans to run against U.S. Rep. Bill Johnson in the Sixth Congressional District, blames the oil and gas industry.

“Dangerously close (to) that area is one of the most intense fracking (hydraulic fracturing) operations in the entire nation, and man-made earthquakes directly connected to fracking are on the rise,” said Lange. *“The time to impose a moratorium on fracking is now. The time for a full-scale independent investigation into this earthquake is now.”*

Meanwhile, retired Marietta College petroleum engineering professor Bob Chase noted that no hydraulic fracturing is occurring within the vicinity of the shaker.

“Bah, humbug,” said Chase. *“There’s no horizontal drilling going on in that area and therefore no hydraulic fracturing there... But there are active faults in Washington County, especially along the rivers and the Burning Spring Anticline.”*

The Ohio Department of Natural Resources confirmed Tuesday that the earthquake was *“natural seismicity.”*

“Seismic activity in Ohio is monitored 24/7, 365 days a year through real-time seismic monitoring stations across eastern Ohio that send notifications of seismic activity to our seismologists,” said Steve Irwin on behalf of ODNR. *“The seismologists then review the data for a precise location, depth, magnitude and wave formation to determine if an event is naturally occurring seismic activity or induced seismic activity.”*

But Lange said Tuesday that he would be surprised, given the amount of oil and gas work and brine injection occurring in Washington County, if the earthquake was not related to the industry.

“That’s very unusual because of course its at the heart of injection wells and oil and gas country,” he said. *“I have my doubts and I still call now for a full-scale investigation. I’m very much opposed to fracking, not only because of these man-made earthquakes –no one has the right to create earthquakes–but also because it’s raping our earth and national treasures like the Wayne National Forest.”*

Irwin said the nearest oil and gas completion activity Friday was 19 miles away.

“And the closest injection well is over two miles away,” he said. *“Our seismologists found no connection between this event and oil and gas activity.”*

Chase explained that while there have been occurrences of seismic activity near hydraulic fracturing work areas in both Oklahoma and in Columbiana County no such result has been recorded in Washington County.

“But when you have an anticline faults can form anywhere with rocks moving in any direction,” he explained. *“An anticline is where the rocks are folded upwards in sort of a dome-shaped structure.”*

In the immediate vicinity of the Friday’s seismic activity, the Ohio Department of Natural Resources geographic information system software has recorded 46 wells, 10 of which are documented as having not been drilled while the other 36 are documented as either actively producing or used for domestic use.

In total there are 22 hydraulic fracturing operations permitted in Washington County and three in Center Township in Morgan County.

At a glance

- The U.S. Geological Study recorded a 2.6-magnitude earthquake in Washington County’s Palmer Township Friday.
- The Ohio Department of Natural Resources says the quake was naturally occurring and not related to oil and gas production in the area.

Other recent recorded seismic activity in Washington County:

- Newport Township, 2010, 2.8 magnitude.
- Newport Township, 2011, 2.6 magnitude.
- Newport Township, 2011, 3 magnitude.
- Muskingum Township, 2011, 3.1 magnitude.
- Marietta, 2015, 2.1 magnitude.
- Marietta, 2015, 2.5 magnitude.

Sources: U.S. Geological Study and Ohio Department of Natural Resources.

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Co-Tenancy Article

Article by: Bob Matthey

The House of Delegates, in Charleston, approved a controversial bill that allows oil and gas companies the right to drill acreage if 75 percent of the property owners/heirs agree.

House Bill 4268 passed last Thursday (60-40) but not after heated discussion; the bill now moves to the Senate.

Del. John Shott, R-Mercer says, “I think the overwhelming economic benefits to our people are obvious”

Currently, in West Virginia Code, one holdout, of up to hundreds of landowners, prevents drilling from commencing.

There was an unsuccessful push by the Democrats to have the 75 percent threshold raised to 90 percent. Republicans shot this down. In addition, there were several amendments, including one that could increase Public Employment Insurance Agency funding (PEIA).

A key point in the bill is that Drilling companies will not get out of paying every land owner that cannot be located/holds out. The money would be transferred into a fund in the state treasury. After 7 years, half the unclaimed money is transferred into the PEIA to help stabilize any cost for public employees.

One video of the hearing received national attention from outlets like *The New York Times* after a woman was removed from the House for reading off campaign contributions that delegates received from oil and gas companies.

One delegate, Charolotte Lane, R-Kanawha, address the video before the vote. “I made no apologies for the fact that I have been a longtime supporter of the energy industry in this state,” Lane said. “I am an advocate for our industry, for those who are in that industry, because these industries fuel our homes, our schools, our churches and business. They fund our local charities and other events.”

Lane stated that the co-tenancy bill solves the problem of minority owners being able to overpower majority owners.

Many Republicans stressed the same point – that a minority of people who own property should not prevent the majority from profiting.

Referring to the majority land owners, who want drilling to begin, “Who’s protecting their rights? Don’t they have property rights too? Now we talk about taking rights, but isn’t it just as effective to deny somebody the right to use something? Isn’t that the same as taking?”

Some Democrats, on the other hand, argued that the bill went too far and did not allow enough protection for the minority owners. “Its attempting to legislate how the owner of certain mineral rights or certain property – how they must use that property.” Said Del. Isaac Sponaugle, D-Pendleton.

Del. Mark Zatezalo, R-Hancock, said that most states already have co-tenancy laws in place. He remarked that the Democrats were only voting to prevent the state from competing nationally.

(Continued from page 11)

2018 Board of Trustees Candidates Bio's

New Board of Trustees members will be elected at the 2018 Annual Membership Meeting. Candidates for the 2018 Board of Trustees shall be elected by secret ballot at the annual meeting. The list of candidates are:

Steven Sigler,

My name is Steven Sigler, I live on a farm in Big Prairie, Ohio with my wife of 36 years Kelly. Kelly and I have one adult son.

Currently, I am employed by Buckeye Oil Producing Company and have served as its President since 2010. I have been in the oil and gas industry for 37 years, all with Buckeye in various capacities with my career focus extensively in southeastern Ohio and northern West Virginia. As it stands, Buckeye Oil Producing Company presently operates in Ohio and West Virginia and has producing assets in 7 States within 5 producing basins.

My interests beyond Oil and Gas lay in raising registered angus beef cattle, bird dogs and shooting sports of all kinds, as well as carpentry, food and travel.

I have been a member of the Southeastern Ohio Oil and Gas Association for 16 years and have been a Trustee since 2004 as well as Past President having served from 2006- 2008.

Brian Chavez,

Brian is a current SOOGA Board of Trustees member and has been a long standing active member of the organization. During his active membership, he has been recognized for his contributions by receiving two SOOGA Workhorse awards.

Brian has also testified on behalf of SOOGA members in front of the Ohio House of Representatives as well as the Ohio Senate. Additionally, Brian is an OOGA Board of Trustees member and has served as the liaison between SOOGA and OOGA for the past several years.

Bob Matthey,


Co-Owner of Triple B Services, Robert is also an oil and gas producer in West Virginia and Ohio. Also Vice-President of Lippizan Petroleum, he has worked in the oil and gas industry for 40 years. He is a graduate of Glenville State University with a bachelor's in business and an emphasis in petroleum engineering and technology.

Bob is on the board of trustees for the Southeastern Ohio Oil and Gas Association. He is also a licensed professional auctioneer. Bob is also a member of IOGA West Virginia.

Jared Stevens,


Jared is from Marietta, OH. He currently works in their family owned oil and gas business, Stevens Oil & Gas and assumes the role of Operations Manager in their manufacturing of oil and gas equipment.

He has worked in the business for the last 12 years and has served as a board member for SOOGA for the last two years. He still resides in Marietta, OH with his wife Natalie and son Barrett.



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Old gas and oil wells a concern

Feb 15, 2018, Reporter Janelle Patterson
jpatterson@mariettatimes.com

With more than 100 years of drilling not only across the state but in Washington County, the number of local abandoned wells is estimated to be more than the 37 documented by the Ohio Department of Natural Resources.

And orphaned wells pose not only a safety risk but also potential environmental hazard.

"I don't think we have identified all that's out there," said Ohio Rep. Andy Thompson, R-Marietta.

The Ohio Senate is set to consider a bill sponsored by Thompson that passed unanimously in the House concerning idle and abandoned oil and gas wells last month.

Orphaned wells are those which were drilled prior to regulation in the 1960s and 1970s. Many were for either crude oil or natural gas on private properties to heat homes but over the years they may have been insufficiently plugged or just abandoned and overgrown.

House Bill 225 outlines an increase in spending from the war chest of the Oil and Gas Well Fund by the Ohio Department of Natural Resources to plug orphaned wells across the state. Currently, the spending cap of the fund on plugging orphaned wells is 14 percent. The legislation proposes raising that cap to 45 percent.

"There was a need to get them motivated and moving from the measly number that was being plugged before," said Thompson. *"Now they think they can do 80 orphaned wells in the next year which is a big difference from the seven or eight a year done before."*

Thompson introduced the bill in May last year and it spent the next eight months in the Ohio House Energy and Natural Resources Committee before unanimous support from the House in January.

"Accountability was a big part of this, it's a fund that's generating \$40 million to \$50 million a year from oil and gas production," said Thompson. *"And it has a dedicated objective to use those funds to not only regulate the industry but to deal with orphan wells. We know they pose an environmental risk."*

But in recent years the fund has been dipped into for special interests, unrelated lawsuit settlements and bolstering of the state general fund.

"Instead of using that money, set up specifically to address an environmental risk it's been moved to completely unrelated lawsuit settlements and things that have nothing to do with oil and gas," said Thompson. *"The change from 14 percent to 45 percent will hopefully restrain these raids on those designated funds and light a fire to find and address these wells."*

The bill was introduced in the Ohio Senate less than a week later and will be referred to the equivalent committee upon which Ohio Sen. Frank Hoagland, R-Mingo Junction, sits.

"I'm not a fortune teller," said Hoagland, who couldn't give a definite date for when the committee will review the bill. *"The intention of the bill is to do good and there are folks in Marietta that have the ability to fill the holes... We've just got to follow through with it. There was a plan and the fund already to deal with the orphaned wells (but) they never followed through the first time."*

According to the Ohio Department of Natural Resources Division of Oil and Gas Resources, the Orphan Well Program was established in 1977 to plug improperly abandoned oil and natural gas wells and is funded by a portion of the state tax on oil and gas production.

Over the years the numbers of found wells plugged have varied, from less than 20 wells plugged to almost 120 in a year in 1986, 1988 and 1989.

"There's science and engineering that gets involved when you go to fill it, and to make it look great, that's an art," said Hoagland.

Mike Chadsey, director of public relations for the Ohio Oil and Gas Association, said the legislation makes sense not only from the industry's perspective as shale exploration continues but from an environmental perspective, an agricultural perspective and a safety perspective.

(continued to page 23)

(continued from page 22)

“Many of these wells were drilled pre-World War I and pre-regulations of the 1960s,” explained Chadsey. “It can be a safety issue. Think of the exploring kids in the woods or the edges of the farm and they come upon abandoned rusty metal equipment, a hole or pit. There wasn’t regulation for how to fill these before 1977, either so there could just be dirt and trees used to plug these wells.”

The range of orphaned wells needs could include just a simple concrete plug of a dry hole, or a significant cap to stop methane from escaping, he said.

“Today’s standard is cement with all of the valves, tanks and pipes removed,” Chadsey added.

“You don’t want crude bubbling up to the surface either.”

The average cost is between \$60,000 and \$70,000, said Chadsey.

“But there are plenty of companies, especially in the southeast, that have the expertise and equipment needed to get a state contract to plug and roll out,” he said.

OOGA estimates that there have been approximately 265,000 wells drilled in Ohio, but only 65,000 are still producing.

“So now with this influx of money into the program, a farmer can report an abandoned well on their property, or a developer can report a well found as they clear forests, and the state can contract a plug,” added Chadsey.

According to the ODNR Division of Oil and Gas

Resources Management, landowners who think that a well on their property is abandoned can call them and request that an inspection be conducted on the well.

If after inspection and required research is complete, the well is found to have no viable owner, it will be referred to the Orphan Well Program.

Orphaned wells are then prioritized by the severity of threat to public health and safety.

More information about the program is available at oilandgas.ohiodnr.gov/orphanwellprogram.

Risks of an abandoned oil or gas well:

- Personal injury from encountering:
- Unknown pressures.
- Flammable liquids.
- Explosive gases.
- Toxic gases.
- Environmental damage can result from oil, gas and brine contamination of:
- Surface and subsurface soil.
- Springs, streams, rivers and lakes.
- Water wells.
- Financial liability including:
- Property damage.
- Medical costs.
- Environmental damage and cleanup costs.
- Loss of wildlife, livestock and pets.
- Plugging costs.
- Legal fees and fines.

Source: Ohio Department of Natural Resources Oil and Gas Resources Management.



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SOOGA 2018 Membership Dues Reminder

If you have not already paid your 2018 Membership dues, please remit payment as soon as possible. If you have any questions or would like to pay by credit card please call the office at 740-374-3203 or email me at mail@sooga.org .

Thanks so much,
Billie

ENERGY INSIGHTS: OUTREACH & ADVERTISING OPPORTUNITIES

Have you tuned into WMOA radio lately? If not, you're missing SOOGA's excellent "Energy Insights" program, which airs every Saturday morning at 9 am on WMOA AM 1490. This program has served as an excellent means of educating and informing our community about the oil and gas industry. The show has covered an array of topics from the history of the industry, benefits to the local economy, education on technical aspects of the business, and much more.

Sponsor a show! The Energy Insights program has not only been an excellent means of public outreach and education, but it can also serve as a great advertising opportunity for our SOOGA members. For \$100 per episode, or \$300 for 4 episodes, your business can help inform the community about our industry while also benefiting from advertising on the radio. If interested, please contact Billie at SOOGA via email or phone at mail@sooga.org or 740-374-3203.

If you'd like to hear past episodes, visit WMOA Radio's website at <http://wmoa1490.com/podcasts>. SOOGA has been very pleased with the affordability and opportunity for public outreach provided by this radio show.

Speaking of affordable advertising opportunities! A new year is upon us and SOOGA once again has several great advertising packages for our membership. These packages provide advertising across multiple locations including the SOOGA Insider Bulletin, SOOGA website, and numerous events. Event sponsorships and the aforementioned Energy Insights program are also available for great marketing opportunities. For more information about the SOOGA ad packages and sponsorships, please contact Billie via email or phone.

Matt Lupardus
Past President & Chair, Communications Committee

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2018 SOOGA Spring Membership Meeting Agenda
Thursday, April 19th, 2018
Marietta Shrine Club
249 Pennsylvania Ave, Marietta, OH 45750

- 1:30-2:00** **Registration** (Meeting free to Members and Guests)
- 2:00-2:10** **Opening Remarks** - Christy Chavez, President SOOGA
- 2:10-2:30** **Paul Fulton Contest** - Waterflooding Project Presentation
- 2:30-3:30** **SOOGA Industry Updates** - Overview-Christy Chavez, Legal-Dan Corcoran
 West Virginia-Matt Lupardus, Ohio-Don Huck
- 3:30-3:45** **Break**
- 3:45-4:00** **OOGEEP-** Rhonda Reda
- 4:00-4:45** **Shale Crescent USA & Economic Development** - Jerry James, Artex Oil Co.
- 4:45-5:00** **SOOGA Awards**

EVENING CELEBRATION: \$20/PER PERSON, LIMIT 200 TICKETS

- 5:00-6:00** **Networking and Social Hour, Silent Auction Begins**
- 6:00-7:00** **Dinner catered by:** Theo's Restaurant
- 7:00-8:00** **Entertainment:** Mark Robinson-Comedian/Magician and Motivational Speaker
 Mark has opened for Jeff Foxworthy and appeared on Jimmy Kimmel
- 8:00** **Live Auction:** Dwight Ullman Auctioneer

Sponsorship and Benefit Levels

Platinum - \$2000 and up

- Includes reserved table with 8 tickets for the evening event.
- Advertising includes company logo and name on event banner, scrolling ad and communication/event flyers.

Gold Sponsor - \$1000 - \$1999

- Includes 4 tickets for the evening event
- Advertising includes company logo and name on event banner, scrolling ad and communication/event flyers.

Silver Sponsor - \$500 - \$999

- Includes 2 tickets for the evening event
- Advertising includes logo on scrolling ad, and company name on event banner and flyers.

Bronze Sponsor - \$100 - \$499

- Advertising includes logo on scrolling ad, and company name on event banner and flyers.

Donations for the Silent and Live Auction would be greatly appreciated.

Auction items include commemorative shot gun, hand crafted knife, antique oil field items, Yeti cooler, Golf basket, Sports tickets, Hand made Quilt, Liquor Basket and Oil Field collector items.

****To help us with accommodations please RSVP by: April 12th, 2018.****
Mail Registration Form to: 214 1/2 Warner St., Marietta, OH 45750



Southeastern Ohio Oil & Gas Association

214 1/2 Warner Street

Marietta, OH 45750

740-374-3203, 740-374-2840 Fax

Email: mail@sooga.org

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MEMBERSHIP CLASSIFICATION (Please Check One)

\$150 Annually Producer Contractor Allied Industry Professional

\$100 Annually Associate (Additional employees of Company)

\$75.00 Annually Royalty Owner /Non-Operating Investor

\$50.00 Annually Student

Independent Package \$600.00

- Special Acknowledgement—Logo/ad at all association events & functions
- One free ticket to association golf or clay shoot outing (OF YOUR CHOICE)

Producer Package \$250.00

- Special Acknowledgement—Logo/ad at all association events & functions

Welltender Package \$150.00

- Special Acknowledgement—Logo/ad at all association events & functions

For additional advertising options visit: www.sooga.org

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