Mark your calendars for the Annual Trade Show on September 21, 2017 at the Washington County Fairgrounds

All of us at SOOGA are excited about our upcoming Annual Oil & Gas Trade Show. We would like to take this opportunity to invite you to participate. As always this year’s show includes morning training sessions for member companies and afternoon technical sessions covering current issues in our industry.

Door prizes will be awarded throughout the day and participants must be present to win. Lunch and refreshments will be available for purchase. The show is open to the public, advertised throughout the industry and continues to grow each year. For a listing of our Presentations please see page 27. For additional information and to register please visit our website at www.sooga.org.

WVDEP Above Ground Storage Tank (AST) Inspection

By Bob Matthey

Two weeks ago I had an Above Ground Storage Tank inspection take place for 2 tanks with “Level 1” registration in Ritchie County, West Virginia. A West Virginia AST Inspector reached out to us 20 days prior to inspection to schedule a date and to request information that may speed the process of the inspection. The requested information included:

- Records of our 2 week secondary containment inspections for all regulated tanks.
- Records of our monthly inspections for all regulated tanks.
- Records of our monthly leak detection for all regulated tanks using the visual method as a form of leak detection
- Documentation showing how we plan on handling the following issues for all regulated tanks:
  - Corrosion Prevention (Continued to page 22)
The Insider

As summer comes to a close, SOOGA is preparing for our Fall Trade Show and we are looking forward to seeing many of our members on September 21st at the Washington County Fairgrounds. This year's program includes many exciting speakers, technical presentations and informative training sessions. We have focused the presentations to include field operation training as well as discussions on the challenges for our industry in both West Virginia and Ohio. Please reference the full agenda on page 27 of this edition of the Insider. If you have not done so already, please consider having your company sponsor this event. The Fall Trade Show is a great benefit to our members and is only possible with the support and generous contributions from our sponsors. SOOGA very much appreciates all our sponsors and their continued support.

Turning to broader industry considerations, our thoughts and prayers are with Texas and the Gulf Coast regions that have been affected by Hurricane Harvey and the severe flooding it brought to that region. Many of us are all too familiar with the devastation of flood waters and the recovery that is needed. On a broader note, this tragedy also demonstrates the strength of our American energy independence. Many analysts are now writing to point out the differences on the impacts seen during Katrina in 2008 vs. Harvey in 2017. Largely because of the shale production in OH, WV, and PA, the impact of Harvey on natural gas has barely registered in the futures market. Despite the Gulf Coast wells being shut in, consumers should not expect increased natural gas prices thanks to the production from the Appalachian and Mid-Ohio Valley. As producers, we would all like to see increased natural gas and oil prices, but this is an indicator of the changes that have occurred since 2008. All energy production regions have their challenges, and while our hearts are still with the victims of Harvey, we need to take a pragmatic look at our industry. The short term impacts, and long term effects, of these storms on the Gulf Coast offer another example of the advantages we have in this region being promoted as "Shale Crescent USA". Our area, with its proven access to cheap, abundant energy, is positioned to bring back manufacturing and petrochemical plants to this area.

Since many of our members have colleagues, family and friends in the affected areas, SOOGA will be making a donation to the disaster relief efforts. Contact Billie if you would like to contribute through SOOGA.

We look forward to seeing everyone at our Fall Trade Show.

Christy Chavez
President of SOOGA
### 2017 NEW MEMBERS
SOOGA would like to welcome the following new members:

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Company</th>
<th>Address</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMY SMITH</td>
<td>Contractor</td>
<td>No Pressure Services</td>
<td>2817 Poplar Ridge Road, Malta, OH 43758</td>
<td>740-541-6259</td>
<td><a href="mailto:amy@nopressureservices.com">amy@nopressureservices.com</a></td>
</tr>
<tr>
<td>JIM PRITT</td>
<td>Producer</td>
<td>Enervest Operating, LLC</td>
<td>300 Capital Street, Charleston, WV 25301</td>
<td>304-767-1710</td>
<td></td>
</tr>
<tr>
<td>CHELSEA DOUTT</td>
<td>Associate–Allied</td>
<td>The Safety Group</td>
<td>10901 Clay Pike Road, Derwent, OH 43733</td>
<td>740-685-8784</td>
<td></td>
</tr>
<tr>
<td>GRETCHE ADDINGTON</td>
<td>Allied Industry</td>
<td>Hillstone Environmental Partners</td>
<td>37 Grande Meadows Dr, Suite 201, Bridgeport, WV 26330</td>
<td>681-404-2690</td>
<td></td>
</tr>
<tr>
<td>MARTIN WARTHER</td>
<td>Associate</td>
<td>Certified Holdings llc</td>
<td>6424 Peach St., Louisville, OH 44641</td>
<td>330-581-2032</td>
<td></td>
</tr>
<tr>
<td>CHRISTOPHER WAID</td>
<td>Professional</td>
<td>ODNR Division of Geological Survey</td>
<td>2045 Morse Rd., Columbus, OH 43229</td>
<td>614-265-6627</td>
<td></td>
</tr>
<tr>
<td>MICHAEL QUEEN</td>
<td>Allied Industry</td>
<td>Allied Horizontal Wireline Services</td>
<td>381 Colonial Manor Rd., Irwin, PA 15642</td>
<td>724-493-6110</td>
<td></td>
</tr>
<tr>
<td>KRISTIE MARCUM</td>
<td>Professional</td>
<td>Holiday Inn Express &amp; Suites</td>
<td>970 Pike Street, Marietta, OH 45750</td>
<td>740-760-1515</td>
<td></td>
</tr>
</tbody>
</table>

### Southeastern Ohio Oil & Gas Association
Board of Trustees - 2017

#### OFFICERS

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Company</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Christy Chavez</td>
<td>Condevco</td>
<td>740-373-5302</td>
<td></td>
</tr>
<tr>
<td>Treasurer</td>
<td>John Albrecht</td>
<td></td>
<td>740-350-0112</td>
<td></td>
</tr>
<tr>
<td>Vice President</td>
<td>Don Huck</td>
<td>Artex Oil Company</td>
<td>740-373-3313</td>
<td></td>
</tr>
<tr>
<td>Secretary</td>
<td>Roger Heldman</td>
<td>HG Energy LLC</td>
<td>304-420-1107</td>
<td></td>
</tr>
<tr>
<td>Past President</td>
<td>Matt Lupardus</td>
<td>HG Energy LLC</td>
<td>304-420-1127</td>
<td></td>
</tr>
<tr>
<td>Executive Secretary</td>
<td>Billie Leister</td>
<td>SOOGA</td>
<td>740-374-3203</td>
<td></td>
</tr>
</tbody>
</table>

#### TRUSTEES

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carl Heinrich</td>
<td>Heinrich Enterprises, Inc.</td>
<td>740-373-5302</td>
<td></td>
</tr>
<tr>
<td>Melinda Johnson</td>
<td>J.F. Deem Oil &amp; Gas, LLC</td>
<td>304-428-0005</td>
<td></td>
</tr>
<tr>
<td>Kathy Hill</td>
<td>Ergon Oil Purchasing, Inc.</td>
<td>740-350-2804</td>
<td></td>
</tr>
<tr>
<td>Robert Gerst, Sr.</td>
<td>Ergon Oil Purchasing, Inc.</td>
<td>740-516-6623</td>
<td></td>
</tr>
<tr>
<td>Steve Sigler</td>
<td>Buckeye Oil Producing Co.</td>
<td>330-264-8847</td>
<td></td>
</tr>
<tr>
<td>Jim Javins</td>
<td>Mid-Atlantic Energy</td>
<td>614-561-3118</td>
<td></td>
</tr>
<tr>
<td>Jared Stevens</td>
<td>Stevens Oil &amp; Gas</td>
<td>740-374-4542</td>
<td></td>
</tr>
<tr>
<td>Barry Bowers</td>
<td>Huffman-Blowers Inc.</td>
<td>740-342-5205</td>
<td></td>
</tr>
<tr>
<td>Dan Corcoran</td>
<td>Theisen Brock, LPA</td>
<td>740-373-5455</td>
<td></td>
</tr>
<tr>
<td>Kevin Rothenbuhler</td>
<td>PDC Energy</td>
<td>740-336-7831</td>
<td></td>
</tr>
<tr>
<td>Bob Matthey</td>
<td>Lippizan Petroleum, Inc.</td>
<td>304-869-3418</td>
<td></td>
</tr>
<tr>
<td>Henry (Winnie) Sinnett</td>
<td>Buckeye Oil Producing Co.</td>
<td>304-354-7962</td>
<td></td>
</tr>
<tr>
<td>Brian Chavez</td>
<td>Heinrich Enterprises, Inc</td>
<td>740-373-5302</td>
<td></td>
</tr>
</tbody>
</table>
Southeastern Ohio Oil and Gas Association
Gas Committee Report
August, 2017

PRICING

Prices August 7, 2017

NYMEX Settle – August -2017 $2.969
One Year NYMEX strip (Sept., 2017 – Aug., 2018) $2.937
Summer NYMEX strip for 2017 (Sept.-October) $2.805
TCO Index Posting – August, 2017 $2.78
DTI Index Posting – August, 2017 $1.73

GAS STORAGE AS OF THE August 3, 2017 Report

<table>
<thead>
<tr>
<th>Region</th>
<th>07/28/17</th>
<th>07/21/17</th>
<th>net change</th>
<th>implied flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>East</td>
<td>651</td>
<td>626</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Midwest</td>
<td>754</td>
<td>744</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Mountain</td>
<td>200</td>
<td>197</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Pacific</td>
<td>293</td>
<td>294</td>
<td>-1</td>
<td>-1</td>
</tr>
<tr>
<td>South Central</td>
<td>1,112</td>
<td>1,129</td>
<td>-17</td>
<td>-17</td>
</tr>
<tr>
<td>Salt</td>
<td>306</td>
<td>318</td>
<td>-12</td>
<td>-12</td>
</tr>
<tr>
<td>Nonsalt</td>
<td>806</td>
<td>812</td>
<td>-6</td>
<td>-6</td>
</tr>
<tr>
<td>Total</td>
<td>3,010</td>
<td>2,990</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

Historical Comparisons

<table>
<thead>
<tr>
<th>Year ago (07/28/16)</th>
<th>5-year average (2012-16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bcf</td>
<td>% change</td>
</tr>
<tr>
<td>---------</td>
<td>----------</td>
</tr>
<tr>
<td>East</td>
<td>727</td>
</tr>
<tr>
<td>Midwest</td>
<td>824</td>
</tr>
<tr>
<td>Mountain</td>
<td>213</td>
</tr>
<tr>
<td>Pacific</td>
<td>315</td>
</tr>
<tr>
<td>South Central</td>
<td>1,211</td>
</tr>
<tr>
<td>Salt</td>
<td>322</td>
</tr>
<tr>
<td>Nonsalt</td>
<td>888</td>
</tr>
<tr>
<td>Total</td>
<td>3,289</td>
</tr>
</tbody>
</table>

Summary

Working gas in storage was 3,010 Bcf as of Friday, July 28, 2017, according to EIA estimates. This represents a net increase of 20 Bcf from the previous week. Stocks were 279 Bcf less than last year at this time and 87 Bcf above the five-year average of 2,923 Bcf. At 3,010 Bcf, total working gas is within the five-year historical range.

EIA FORECAST APRIL 1, 2017:

Natural Gas

U.S. dry natural gas production is forecast to average 73.3 billion cubic feet per day (Bcf/d) in 2017, a 1.0 Bcf/d increase from the 2016 level. This forecast increase would reverse a 2016 production decline, which was the first annual decline since 2005. Natural gas production in 2018 is forecast to be 3.3 Bcf/d above the 2017 level.
Marietta College Student Interns

Get the competitive edge you need with Marietta College student interns! We have Petroleum Engineering, Land and Energy Management and Geology students who want to work for you.

There are also two grants available to offset the cost of the internship (one pays 80% of the student's $12 per hour wage and the other pays 50% of the student's wage). Reach out to their Career Services team today by calling 740-376-4645 or emailing cc@marietta.edu
In May, the average Henry Hub natural gas spot price was $3.15 per million British thermal units (MMBtu), 5 cents/MMBtu higher than in April. New natural gas export capabilities and growing domestic natural gas consumption contribute to the forecast Henry Hub natural gas spot price rising from an average of $3.16/MMBtu in 2017 to $3.41/MMBtu in 2018. NYMEX contract values for September 2017 delivery that traded during the five-day period ending June 1 suggest that a range of $2.30/MMBtu to $4.41/MMBtu encompasses the market expectation for Henry Hub natural gas prices in September 2017 at the 95% confidence level.

U.S. liquefied natural gas (LNG) exports.

U.S. LNG exports increase. Four vessels (combined LNG-carrying capacity of 14.7 Bcf) departed Sabine Pass last week (Thursday to Wednesday).

Cove Point liquefaction facility, which is currently under construction, is reportedly 95% complete, and 90% of the systems at the facility are undergoing commissioning, according to Dominion Energy Midstream Partners’ second quarter earnings call. The facility's operator, Dominion, stated that Cove Point has an agreement with a third party for LNG cargoes that will be produced prior to the terminal's official in-service date later this year, according to SNL Financial.

**PIPELINE REPORT:**

New updates coming in September, 2017

**UTICA WELL PRODUCTION**

During the first quarter of 2017, Ohio’s horizontal shale wells produced 3,904,732 barrels of oil and 371,921,659 Mcf (372 billion cubic feet) of natural gas. Natural gas production from the first quarter of 2017 showed an increase over the fourth quarter of 2016.

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.

**Fourth Quarter – 2016 – Utica Production Volumes:**

<table>
<thead>
<tr>
<th></th>
<th>2016 QUARTER 4</th>
<th>2017 QUARTER 1</th>
<th>PERCENTAGE CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barrels of Oil</td>
<td>3,357,333</td>
<td>3,904,732</td>
<td>1.16%</td>
</tr>
<tr>
<td>MCF Nat. Gas</td>
<td>364,307,926</td>
<td>371,921,659</td>
<td>1.02%</td>
</tr>
</tbody>
</table>

As of July 1, 2017, there have been 2,566 Utica shale permits issues in 23 counties in Ohio to 29 companies, and 2,063 of them have been developed.

There are currently 1,562 Utica shale wells in production, with 27 rigs running.
SOOGA Calendar of Events

Annual Fall Trade Show
Thursday  September 21, 2016
Washington County Fairgrounds
Marietta, OH 45750

Fall Clay Shoot
Friday October 20, 2017
Hilltop Sports, LLC
Whipple, OH

Annual Gun Raffle
November 1, 2017

The oil and gas industry has been a big part of our community for more than 120 years. Our history with the community led us to partner with the Marietta Community Foundation to establish the SOOGA Legacy Fund in 2013. This fund was established to give back to our communities across Ohio and West Virginia and to honor the memory of members who have dedicated their life’s work to this industry. To give a tax deductible gift make checks payable to:

Marietta Community Foundation
SOOGA Legacy Fund
MCF, P.O. Box 77
Marietta, OH 45750
Phone: 740.373.3286

The SOOGA Board serves as the advisor to the fund.
How to bring jobs back to America’s forgotten communities
NY Daily News, 8/21/2017

They were forgotten communities, at least in the minds of many people who lived in them.

Even as the rest of the country recovered from the recession, people in the nation’s coal fields and Rust Belt continued to suffer economically. They longed for a return to the days when their region could produce high-paying jobs, and they helped boost Donald Trump to the presidency when he promised to do just that.

Already, the hard work of making that happen is underway – but it’s not just as a project emanating from Washington, DC.

“Much of the work of restoring the economy in these areas has to begin with the people who live there,” said Greg Kozera, director of marketing for Shale Crescent USA, a non-profit, non-political group of business and community leaders from Ohio and West Virginia who are doing just that. “The federal government can do some things to help, but it’s the private sector and local government officials who really need to step up.”

There are reasons for optimism in such places as the Mid-Ohio Valley that stretches across Ohio, West Virginia, and Pennsylvania, and where Shale Crescent USA is doing its work.

“You have an area with the largest natural gas field in the world,” said Kozera. “There is easy transportation on the Ohio River and you have people eager to work. Being close to half of the markets in North America also helps. We could be on the verge of a petrochemical industrial boom, and the average job in that industry pays $100,000.”

Of course, it may be easier for communities to achieve an economic revival when there’s a much-coveted natural resource to tap into, but there are other steps leaders in these forgotten communities can take to improve their fortunes, according to Kozera. Those include:

Taking the initiative. Business and community leaders shouldn’t wait for government or outside industry to make something happen. They need to take action. “That’s what the people who formed Shale Crescent USA did,” said Kozera. “They knew if something was going to happen, they would need to be the catalyst for making it happen themselves.”

Creating awareness. Once you know what you want to achieve, you must get the word out to people and industries that can help you make it happen. For example, Shale Crescent USA is making sure that the petrochemical, glass and other industries know about the advantages the Mid-Ohio Valley provides as a place to grow or relocate. Government can do a lot to help bring in business, Kozera says, but typically doesn’t do a very good job of staying focused on marketing and sales.

Remembering that prosperity is contagious. Sometimes when multiple cities or states are involved, they become competitive and forget that exactly where industry locates doesn’t matter because the whole region will benefit from economic development. As people gain good paychecks, more businesses will spring up to serve them. The tax base also increases, which means schools, roads, parks and other government services can also improve.

“Something like this isn’t a simple task,” Kozera says. “It takes a team effort. If you can get people in a region working together, you’ll have a much greater chance of accomplishing your goals.”
RPSEA study will determine emissions profile of marginal wells

Offshore staff

HOUSTON – The Research Partnership to Secure Energy for America (RPSEA) is initiating a joint industry project with US oil and gas industry partners to conduct and manage a real-world survey that will determine the precise levels of methane emitting from marginal wells in the United States.

RPSEA officials say the survey is needed to demonstrate whether the contribution of methane emissions from marginal oil and gas wells are much lower than what the Environmental Protection Agency (EPA) determined and used when it updated its New Source Performance Standards (NSPS) under former President Barack Obama.

As part of that rule, the EPA did not provide an expected exemption of marginal wells from Leak Detection and Repair (LDAR) requirements, RPSEA says, consequently adding a significant economic burden to oil and gas producers, particularly those which are independent or smaller.

The need to complete this research, RPSEA says, was brought to light after the US Court of Appeals for the DC Circuit this month ordered the EPA to lift a stay on the rule, reversing a Trump administration order to delay its implementation.

“The data that EPA used to develop this rule were assumptions, with limited accurate and defensible data from marginal wells [on which] to base this ruling,” said RPSEA President Tom Williams. “It is absolutely imperative that we provide EPA with data that shows the accurate methane emissions contributions made by marginal wells.”

The Independent Petroleum Association of America (IPAA) and US Oil and Gas Association (USOGA) support the proposed study, and RPSEA will be working with their members, plus state and regional associations and member companies of both organizations to conduct it. Work will commence when adequate funding is secured.

Parties interested in participating or learning more can find more information on the study at the RPSEA website.

RPSEA says it has previously funded several projects on air emissions and is teaming up with Houston Advanced Research Center (HARC), GSI Environmental Inc. and advisory teams from academia, industry, and state and federal governments to perform this research, to ensure that there will be broad local presence and expertise in the various regions of the study.

Marginal oil wells are those with an average production of no more than 15 b/d, those producing heavy oil, or those wells producing not less than 95% water, with average production of not more than 25 b/d of oil. Marginal gas wells are those producing not more than 90 Mcf a day. There are more than 1.1 million oil and natural gas wells in the US, accounting for up to 20% of US oil production and about 13% of US natural gas production.

08/21/2017
Prevention of Fatalities from Ignition of Vapors by Mobile Engines and Auxiliary Motors

Vehicles and motorized equipment present an ignition hazard if located too close to the wellbore or other potential flammable vapor sources (e.g., flowback tanks, frac tanks, production tanks). When flammable vapors or gases are released, non-intrinsically safe engines and motors can ignite the vapors and cause explosions with catastrophic consequences. Conducting a Fire Risk Assessment to ensure safe positioning of all motorized equipment during drilling and completion, servicing, and production operations is essential to preventing fires and explosions.

**EVACUATE!**
If an engine “over revs” or “runs away,” you run away too

Employers

Conduct Fire Risk Assessments at the worksite and review with workers, including:

- Train workers to know that when an engine “over revs” or starts “running away,” it’s in a gas/vapor cloud
- Identify potential sources for release of flammable gases or vapors (wellbore, flowback tanks, frac tanks, production tanks)
- Evaluate the location of potential source of release as they relate to on-site ignition sources. Consider changing weather conditions (wind, temperatures, etc.)
- Establish acceptable areas, boundaries, and entry routes for vehicles and motorized equipment, including contractors’ equipment
- Ensure that the location of all vehicles/motorized equipment is within the established areas, boundaries, and entry routes
- Develop a Job Hazard Analysis (JHA) that includes fire risk hazards
- Review the JHA, fire prevention plans, and emergency evacuation procedures at daily shift meetings

**Note: Reference API 54 for Guidance**

Engineering controls and other preventative measures:

- Monitor (personal and/or fixed) for flammable gases and vapors (e.g., lower explosive limits - LEL) and oxygen
- Consider installing shutdown systems (positive air shut-off for diesel or ignition kill for gasoline), intake flame arrestor, exhaust system spark arrest, or other appropriate protective systems for mobile engines
- Use safe work permit system or other administrative control method to control vehicle/motorized equipment access in areas that could contain flammable vapors and gases
- Train workers on hazards of internal combustion engines as ignition sources

**Notes:** See DSHA Fact Sheet - Internal Combustion Engines as Ignition Sources

- Shut down running/idling non-essential equipment and vehicles

Establish safe work practices and procedures:

- Evacuate the area immediately if an engine “over revs” or “runs away”
- Communicate emergency procedures to all employees about what to do if an engine “over revs” and their specific duties during shutdown operations

Workers

- Follow employer’s safe work practices and procedures
- Participate in and review JHA before beginning work

- Attend hazard communication training—know the contents and hazards of the equipment you work on
- Remove other potential ignition sources from hazard zones (e.g., static, cell phones, open flames, cigarettes, sparks from tools or metal objects, etc.)
- Use required PPE, gas detection devices (personal), and heed all alarms

If you’re uncertain about potential risks or have questions, STOP THE JOB AND ASK — IT COULD SAVE YOUR LIFE!

---

Through the OSHA/OSHA/National STEPS for the alliance, the participants developed this Hazard Alert for informational purposes only. It does not necessarily reflect the official views of OSHA or the U.S. Department of Labor. Under the Occupational Safety and Health Act, employers are responsible for providing a safe and healthy workplace and employees have rights to work in a safe and healthy environment. (May 2017)

Article provided by: O’Brien’s Safety Services, LLC
Premium Service for a Premium Product

Whether buying or transporting crude, Ergon Oil Purchasing offers flexible logistics to move your product from wellhead to market. Through Ergon’s refineries, network of terminals, barge and trucking fleets, we understand what drives the crude oil industry.

Call 1-800-278-3364 to learn more. 
eoopsales@ergon.com

Serving the oil and gas industry since 1981

Wells Fargo Insurance
Scott K. Mapes
Account Executive
513-657-3272 or 1-800-452-4532
720 East Pete Rose Way, Suite 400
Cincinnati, OH 45202

wellsfargo.com/wfis

Since 1862
CHANCELLOR INSURANCE
Joseph Shriver
Vice President
613 Market Street
Parkersburg, WV 26101
304/422-3563
Fax 304/422-3565
joeshriver@chancellorins.com
**THE INSIDER**

**GAS PRICING 2017**

**JULY 2017**

NYMEX Settlement: $3.067  
Inside FERC/DTI: $1.810 (Basis: -$1.257)  
Inside FERC/TCO: $2.870 (Basis: -$0.197)  
NYMEX 3-day Average: $3.027

**AUGUST 2017**

NYMEX Settlement: $2.969  
Inside FERC/DTI: $1.730 (Basis: -$1.239)  
Inside FERC/TCO: $2.780 (Basis: -$0.189)  
NYMEX 3-day Average: $2.944

**OIL PRICING 2017**

**AMERICAN REFINING GROUP AVERAGE**

**ARG GROUP PRICING CATEGORIES AND DEFINITIONS FOR PENNSYLVANIA GRADE CRUDE OIL (LEGACY)**

- **Group 1 (OH/PA/NY)** - 150.0 barrels from a single location, with a BS&W of 2% or less,
- **Group 2 (OH/PA/NY)** - 60.0-149.99 net barrels from a single location
- **Group 3 (OH/PA/NY)** - 30-59.9 net barrels from a single location

For questions relating to ARG Group Pricing or Utica / Marcellus Shale pricing, please contact:
Gary Welker, Mgr. - Crude Supply & Gathering  
330-813-1898; gwelker@amref.com

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

---

**ERGON OIL PURCHASING WEST VIRGINIA MONTHLY AVERAGE**

- June Ohio Tier 1: $44.2263  
- June Ohio Tier 2: $41.2263  
- June Ohio Tier 3: $39.2263  
- June West Virginia Tier 1: $44.2263  
- June West Virginia Tier 2: $41.2263  
- June West Virginia Tier 3: $39.2263  
- June Marcellus/Utica Condensate: $29.2263  
- June Marcellus/Utica Medium: $44.2263  
- June Marcellus/Utica Light: $38.7263

- July Ohio Tier 1: $45.6177  
- July Ohio Tier 2: $42.6177  
- July Ohio Tier 3: $40.6177  
- July West Virginia Tier 1: $45.6177  
- July West Virginia Tier 2: $42.6177  
- July West Virginia Tier 3: $40.6177  
- July Marcellus/Utica Condensate: $30.6177  
- July Marcellus/Utica Medium: $45.6177  
- July Marcellus/Utica Light: $40.1177

**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.

---

**SIG ENERGY**

We are a financially secure natural gas marketing company with over 22 years of experience buying and selling gas in the Appalachian Region. Call us today!

Dave Gaiser  
Natural Gas Buyer  
614.659.5120  
DGaiser@SIGEnergy.com

6100 Emerald Pkwy, Dublin, OH 43016
United Rentals
We work with you from start to finish.
Your Partner in the
Marcellus & Utica Shale

1-800-UR-RENTS
www.UR.com

Oil & Gas Museum
Parkersburg, West Virginia
P.O. Box 1685
119 Third Street
Parkersburg, WV 26101
1-304-485-5446 or 1-304-428-8015
www.oilandgasmuseum.com

Oil and Gas Wells
Drilling and Operation

J.D. Drilling Company
P.O. Box 369
Racine, OH 45771
740-949-2512

James E. Diddle, President
Spencer R. Carpenter, Vice President
2017 FALL GOLF OUTING

**Men**

#4 Long Drive in Fairway – Mike Rawlings,
#18 Longest Putt Made - Bill Reed

**Ladies**

#14 Long Drive in Fairway – Lynn Graham
#5 Longest Putt Made – Chrissy Littler

**Men or Ladies**

#3 Closest to Pin - Gary Brightwell
#7 Closest to Pin 2nd Shot – Craig Hesson
#7 Closest to Pin – Ed Foster
#9 Straightest Drive– Matt Sloan

**Skins Game**

Teams – 14A, 12A and 11B

**50/50 Winner** – Rolly

Thanks to everyone that brought Door Prizes !!
2017 FALL GOLF OUTING

Flight A–1st Place, CM&I Products
Flight A– 2nd Place, Ben Oil
Flight A– 3rd Place, Artex

Flight B–1st Place, Sutton Pump
Flight B–2nd Place, SLS & Energy
Flight B–3rd Place, Evolution

2017 Fall Golf Outing Sponsors

GOLD SPONSOR –

Bronze Sponsor –

Tee Sponsors & Supporters

- American Refining Group
- Anchor Drilling Fluids USA, LLC
- Appalachian Oil Field Services
- Aqua Clear Inc.
- Artex Oil Company
- Ben Oil Inc.
- Buckeye BOP
- Canaan Industries LLC
- Certified Pressure Testing
- Constellation Energy
- Dominion Energy Field Services
- DXP Enterprises
- EMF Geoscience, Inc.
- Engle Field Oil
- Ergon Oil Purchasing Inc
- Evolution Energy
- Fairfield Inn & Suites
- Flat Rock Resources
- Full Circle Oil Field Services
- H.A.D. Inc
- Hall Financial Advisors LLC
- Hy-Bon/EDI
- Interstate Gas Supply
- J.F. Deem Oil & Gas, LLC
- Leslie Equipment Co
- Lubrizoil Oilfield Solutions
- Ohio Oil & Gas Association
- Parmaco of Parkersburg
- PDC Energy
- Perkins Supply Inc
- Perry and Associates
- Phoenix Specialty
- Plant Oil Production
- Producers Service Corp
- SSP
- Sutton Pump & Supply
- Utility Pipeline LTD
- Waterford Tank & Fabrication
- Wells Fargo

Thanks to everyone, we appreciate your continued support!!!
INTRODUCING:

Energy Insights

Brought to you by
Southeastern Ohio Oil and Gas Association (SOOGA)
with Austin James as your host
Saturdays @ 8:55 A.M.

**** For a list of interviews, visit the SOOGA website ****
www.sooga.org

Tune in on Saturday mornings at 8:55 as Austin James talks to community members, oil and gas experts, historians, and area business professionals to get an inside view and local perspective on oil and gas progress in the Mid-Ohio Valley.

Listen on these great local radio stations!
Did you know that you could save paper and receive your Insider via email? Contact us at mail@sooga.org to sign up.
Continued from page 1

- Overfill prevention
- Spill prevention
- Leak detection
- Secondary containment
- Normal and emergency venting

- Our plans for meeting financial responsibility on all regulated tanks, OR insurance policy.
- A copy of our Spill Prevention Response Plan that we filed when we registered the tanks

The inspector identified a deficiency in lack of corrosion protection for the bottom of the tanks, which we are required to correct. There was no fine associated with the violation given that we address the issue. The biweekly secondary containment inspection and monthly tank/leak detection inspections can be recorded by well tenders on the attached form.
2017 MEMBERSHIP DRIVE

The SOOGA Board of Trustees would like to thank everyone for the support of our organization. SOOGA has seen a steady growth in membership over the past 10 years, from less than 200 to a sustained 400 at the end of 2016. This growth is thanks to you.

Make your voices heard. SOOGA has dedicated leadership that is connected to the issues at hand and a voice heard by the people who can make a difference.

Now more than ever your SOOGA membership is valuable. By staying involved in your organization you have the ability to stay ahead of the issues that will affect your business.

Make your voice heard, stay involved and encourage your associates to be involved.

The Board of Directors and officers of SOOGA want to thank you for your continued support.

Each time you Sign Up a “New Member” your name gets entered in a drawing for a **Henry Golden Boy**

Donated by: Timco, Inc. and Southeastern Ohio Oil & Gas Association

The more you sign up the more chances you have to win!!

The Membership Drive ends on 12/31/17.

**Don’t Wait, Start Signing up Those New Members**

Winner Will Be Announced At the 2018 Spring Membership Meeting.

(Board members and employees are excluded)

Visit our website at www.sooga.org for Membership Applications.

**To receive credit for New Members, your name must be listed as referred by**.
2017 Spring Clay Shoot Sponsors

Station Sponsors and Supporters

Bronze Level:
- Leslie Equipment Co
- Morrison Inc.
- EdgeMarc Energy Holdings LLC
- Condevco
- Depuy Drilling Company
- Constellation Energy
- DXP Enterprises
- A.W. Tipka Oil & Gas Inc
- Appalachian Oil Field Services
- K T Black Services
- Full Circle Oil Field Services
- Utility Pipeline LTD
- DeepRock Disposal Solutions
- Ergon Oil Purchasing Inc
- H.A.D. Inc
- Iron City Pipe & Supply
- Halliburton
- The Career Center - Adult Technical Training
- SSP
- Dominion Field Services
- Wells Fargo
- Formation Cementing Inc
- Hy-Bon/EDI
- Buckeye B.O.P LLC
- Buckeye Oil Producing Company
- Producers Service Corp.
- Aqua Clear Inc
- Perkins Supply Inc
- Parmaco of Parkersburg
- A.W. Tipka Oil & Gas Inc
- American Refining Group
- Constellation Energy
- DXP Enterprises
- Depuy Drilling Company
- Condevco
- EdgeMarc Energy Holdings LLC
- Leslie Equipment Co
- Morrison Inc.

Thanks to everyone, we appreciate your continued support!!!
NATURAL GAS GATHERING
IN OHIO AND WEST VIRGINIA
FOR INFORMATION PLEASE CONTACT:
TROY GREENE, GAS CONTROL MANAGER
27710 STATE ROUTE 7, MARIETTA, OHIO 45750
PHONE: 740-868-1452 FAX: 740-374-9788

24 HR EMERGENCY CONTACT
(800) 269-6673
**2017 SOOGA ANNUAL TRADE SHOW AGENDA**

---

### TENTATIVE TRAINING SESSIONS

*Free for SOOGA Members*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30am - 8:00am</td>
<td>Registration</td>
</tr>
<tr>
<td>8:00am - 8:30am</td>
<td>Automation Training</td>
</tr>
<tr>
<td>Stevens Oil &amp; Gas, LLC</td>
<td></td>
</tr>
<tr>
<td>8:30am - 9:00am</td>
<td>Compressor Application</td>
</tr>
<tr>
<td>Chris Deem - Canaan Industries, LLC</td>
<td></td>
</tr>
<tr>
<td>9:00am - 9:30am</td>
<td>Understanding Gas Meters</td>
</tr>
<tr>
<td>Ralph Cunningham- Little Kanawha Gas Measurement</td>
<td></td>
</tr>
<tr>
<td>(15 Minute Break)</td>
<td></td>
</tr>
<tr>
<td>9:45am-10:15am</td>
<td>Valves/Downhole Pump Maintenance</td>
</tr>
<tr>
<td>Barry Bowers-Huffman-Bowers Inc.</td>
<td></td>
</tr>
<tr>
<td>10:15am-10:45am</td>
<td>West Virginia AST Inspections</td>
</tr>
<tr>
<td>Adam Wilson, SLS Land and Energy Development</td>
<td></td>
</tr>
<tr>
<td>10:45am – 11:45am</td>
<td>Condensate Safety - It’s The Real Deal!</td>
</tr>
<tr>
<td>Charlie Dixon - OOGEEP Jim Vuksic-(Testimonial)</td>
<td></td>
</tr>
<tr>
<td>How it can effect your family.</td>
<td></td>
</tr>
</tbody>
</table>

**Exhibits Open All Day  8:00AM - 4:00PM**

To register please visit our website at: www.sooga.org

---

### TENTATIVE TECHNICAL PRESENTATIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:45am – 12:00pm</td>
<td>SOOGA Updates</td>
</tr>
<tr>
<td>Christy Chavez - SOOGA President</td>
<td></td>
</tr>
<tr>
<td>Lunch Served  12:00 pm– 1:00pm</td>
<td></td>
</tr>
<tr>
<td>Catered by: C&amp;S BBQ</td>
<td></td>
</tr>
<tr>
<td>Served by: Ohio Valley Desk &amp; Derrick Club</td>
<td></td>
</tr>
<tr>
<td>1:00pm - 1:15pm</td>
<td>Ohio Idle and Orphan Wells</td>
</tr>
<tr>
<td>Legislative Update</td>
<td></td>
</tr>
<tr>
<td>State Representative Andy Thompson</td>
<td></td>
</tr>
<tr>
<td>1:15pm - 1:45pm</td>
<td>ODNR Updates</td>
</tr>
<tr>
<td>Permitting and Production Reporting</td>
<td></td>
</tr>
<tr>
<td>Don Huck, Artex Oil Company</td>
<td></td>
</tr>
<tr>
<td>(15 Minute Break)</td>
<td></td>
</tr>
<tr>
<td>2:00pm - 3:00pm</td>
<td>Industry Discussion</td>
</tr>
<tr>
<td>Challenges &amp; Future Outlook</td>
<td></td>
</tr>
<tr>
<td>Jerry James-Artex, Jim Pritt-EnerVest,</td>
<td></td>
</tr>
<tr>
<td>(Additional Speakers to be announced)</td>
<td></td>
</tr>
<tr>
<td>3:00pm - 3:30pm</td>
<td>Cut Team Security and The Drug Epidemic</td>
</tr>
<tr>
<td>Washington County Sheriff Department</td>
<td></td>
</tr>
<tr>
<td>Door Prize Drawings <em>(Must be present to win)</em></td>
<td></td>
</tr>
<tr>
<td>Henry Golden Boy Gun Drawing</td>
<td></td>
</tr>
<tr>
<td>Sponsored by Lippizan Petroleum, Inc. and Huffman Bowers.</td>
<td></td>
</tr>
</tbody>
</table>

---

*SOOGA reserves the right to make changes to this program*
Southeastern Ohio Oil and Gas Association
2017 Membership & Advertising Form

Date: ___/___/___

Name ______________________ Com ______________________
Title ______________________
Address ______________________ City ______________________ State _______ Zip _______
Phone ______________________ Fax ______________________ Email ______________________

**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

The information presented herein is for informational purposes only and should not be considered as legal or other professional advice. To determine how various topics may affect you individually, consult your attorney and/or other professional advisors. Southeastern Ohio Oil & Gas Association, its Board of Trustees, Officers, Members and/or Staff are not liable or responsible for any damage or loss resulting from the use of information in this publication or from inaccuracies contained herein.