SOOGA Celebrating 40 Years

The Spring Meeting and 40th Anniversary Event was a huge success! The membership meeting started with a full agenda of presentations that consisted of an industry update from SOOGA executive staff covering topics from both Ohio and West Virginia. Our featured guest speaker was Jerry James of Artex Oil Company who spoke on some exciting research news from the Shale Crescent USA on the economic development in our area. The evening event kicked off with a social hour and silent auction. Dinner was catered by Theo’s Restaurant and entertainment from Comedian/Motivational speaker Mark Robinson followed. The evening wrapped-up with a fun live auction to benefit the membership, the SOOGA legacy fund and the Oil and Gas Museum. See more highlights on page 17.

2018 Board Of Trustees Election Results

The election of the 2018 Board of Trustees was held at the Spring membership meeting by secret ballot. The members elected were: Steve Sigler, Buckeye Oil Producing, Co.; Brian Chavez, Heinrich Enterprises, Inc.; Bob Matthey, Lippizan Petroleum, Inc.; and Jared Stevens, Stevens Oil & Gas. Please congratulate these members. If you are interested in running for the Board of Trustees, please call Billie at 740-374-3203.

Did you know that you could save paper and receive your Insider via email? Contact us at mail@sooga.org to sign up.
THE CROW’S NEST

The Spring Meeting and 40th Anniversary Event was a huge success! We have received many positive comments on the event, especially how it was such a fun and enjoyable evening. The SOOGA board did a fantastic job and I want to thank all of them for their hard work and dedication! Our live and silent auction raised a total of $9400.00 and the money will be divided between our SOOGA legacy fund and SOOGA organization. Additionally, funds were raised and donated to the Oil and Gas Museum in Parkersburg. Thanks again to all of our Sponsors for this event!

The SOOGA 40th Anniversary film is posted on our webpage at http://sooga.org/. This film captures the heart and passion of our membership, and documents some of the highlights of our organization over 40 years. Again, special Thanks to the Stonewall Group for donating their time in filming and creating this video. It is truly a keepsake!

Please share the 40th anniversary film with your co-workers, colleagues, and friends in the industry. If they are not members, please encourage them to join SOOGA and become active in our organization. Membership information is located on our webpage at http://sooga.org/become-a-member.aspx. I can’t imagine what the next 40 years will bring!

Additionally, we hope to see many of you at our Spring Golf outing on May 18, 2018 at Lakeside Golf Course.

Thanks,
Christy Chavez
President of SOOGA
2018 NEW MEMBERS
SOOGA would like to welcome the following new members:

TOM CROOKS
Professional
Stonewall Group
154 Front Street
Marietta, OH 45750
740-373-2334

MATT JOHNSON
Associate
Producers Service Corp.
109 S. Graham Street
Zanesville, OH 43701
740-584-0225

BRUCE FICKIESEN
Associate
Ergon Trucking Inc.
35020 St. Rt. 7
Newport, OH 45768
740-473-2781

BRIAN HADLEY
Associate
Ergon Terminaling
35020 St. Rt. 7
Newport, OH 45768
740-473-2781

JOEL PASTORICK
Associate
Ergon Terminaling
P.O. Box 1639
Jackson, MS 39215
740-473-2781

LOUIS LAMPTON
Associate
Ergon Terminaling
P.O. Box 1639
Jackson, MS 39215
601-933-3390

DUSTIN HALE
Student
Marietta College Energy Business Alliance
215 5th St.
Marietta, OH 45750
419-910-1019

JOHNATHAN KUNGLE
Student
Marietta College Energy Business Alliance
215 5th St. Box 504
Marietta, OH 45750
330-949-3100

Southeastern Ohio Oil & Gas Association
Board of Trustees - 2017

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Christy Chavez
Condevco
740-373-5302

Treasurer
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740-350-0112

Vice President
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740-373-3313

Secretary
Roger Heldman
HG Energy LLC
304-420-1107

Past President
Matt Lupardus
HG Energy LLC
304-420-1127

Executive Secretary
Billie Leister
SOOGA
740-374-3203

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740-373-5302

Melinda Johnson
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304-428-0005

Kathy Hill
Ergon Oil Purchasing, Inc.
740-350-2804

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

Steve Sigler
Buckeye Oil Producing Co.
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
April, 2018

PRICING

Prices April 9, 2018

NYMEX Settle – April 2018 $2.69
One Year NYMEX strip (May, 2017 – April, 2019) $2.81
Summer NYMEX strip for 2018 (April-October) $2.73
TCO Index Posting – April, 2018 $2.50
DTI Index Posting – April, 2018 $2.24

GAS STORAGE AS OF THE March 8, 2018 Report

<table>
<thead>
<tr>
<th>Region</th>
<th>03/30/18</th>
<th>03/23/18</th>
<th>net change</th>
<th>implied flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>East</td>
<td>229</td>
<td>242</td>
<td>-13</td>
<td>-13</td>
</tr>
<tr>
<td>Midwest</td>
<td>266</td>
<td>264</td>
<td>-18</td>
<td>-18</td>
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<tr>
<td>Mountain</td>
<td>87</td>
<td>88</td>
<td>-1</td>
<td>-1</td>
</tr>
<tr>
<td>Pacific</td>
<td>166</td>
<td>166</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>South Central</td>
<td>606</td>
<td>603</td>
<td>3</td>
<td>12 C</td>
</tr>
<tr>
<td>Salt</td>
<td>188</td>
<td>181</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Nonsalt</td>
<td>419</td>
<td>422</td>
<td>-3</td>
<td>6 C</td>
</tr>
<tr>
<td>Total</td>
<td>1,354</td>
<td>1,383</td>
<td>-29</td>
<td>-20 C</td>
</tr>
</tbody>
</table>

C=Reclassification.
Non-flow-related adjustments decreased working gas stocks by approximately 9 Bcf in the South Central Nonsalt region for the week ending March 30, 2018. The implied flow for the week is a withdrawal of 20 Bcf from working gas stocks in the Lower 48 states. (See Notes and Definitions for more information on "implied flow.")

Continued to page 6
2018 NEW MEMBERS
SOOGA would like to welcome the following new members:

SHAWN WORK
Contractor
Wellsite Fishing & Rentals
5555 Oakhill Rd.
Stockport, OH 43787
740-885-8527

2018 SOOGA Calendar of Events

2018 Spring Golf Outing
May 18th, 2018
Lakeside Golf Course

2018 Spring Clay Shoot
June 15th, 2018
Hilltop Sports

2018 Fall Golf Outing
August 17th, 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

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

SHAWN WORK
Contractor
Wellsite Fishing & Rentals
5555 Oakhill Rd.
Stockport, OH 43787
740-885-8527
Summary

Working gas in storage was 1,354 Bcf as of Friday, March 30, 2018, according to EIA estimates. This represents a net decrease of 29 Bcf from the previous week. Stocks were 697 Bcf less than last year at this time and 347 Bcf below the five-year average of 1,701 Bcf. At 1,354 Bcf, total working gas is within the five-year historical range.

Northeast prices rise. At the Algonquin Citygate, which serves Boston-area consumers, prices went up $4.46 from a low of $2.35/MMBtu last Wednesday to $6.81/MMBtu yesterday after reaching a high of $7.23/MMBtu on Tuesday. In anticipation of cold weather through the weekend, on Wednesday, April 4, Algonquin Gas Transmission delayed a scheduled outage at the Stony Point and Oxford Compressor stations expected to start that day. The outages will now begin April 10.

At the Transcontinental Pipeline Zone 6 trading point for New York, prices increased 40¢ from a low of $2.52/MMBtu last Wednesday to a high of $2.92/MMBtu yesterday.

Tennessee Zone 4 Marcellus spot prices increased 37¢ from a low of $2.06/MMBtu last Wednesday to a high of $2.43/MMBtu yesterday. Prices at Dominion South in northwest Pennsylvania rose 48¢ from a low of $2.09/MMBtu last Wednesday to a high of $2.57/MMBtu yesterday.

Nymex prices show limited movement. At the Nymex, the price of the May 2018 contract increased 2¢, from $2.698/MMBtu last Wednesday to $2.718/MMBtu yesterday. The price of the 12-month strip averaging May 2018 through April 2019 futures contracts climbed 2¢ to $2.876/MMBtu.

Supply remains flat. According to data from PointLogic Energy, the average total supply of natural gas remained the same as in the previous report week, averaging 85.8 Bcf/d. Dry natural gas production increased by an average of 0.4 Bcf/d week over week. Average net imports from Canada decreased by 5% from last week.
OBITUARY

Leslie B. Lampton, businessman, philanthropist and founder of Ergon, the energy-based company he established in 1954, passed away Tuesday, April 17th, of natural causes at his home in Jackson, Mississippi. He was 92 years old.

After serving in the Navy during World War II, graduating from Ole Miss, and then serving again in the Navy during the Korean conflict, Mr. Lampton returned to his hometown of Jackson, Mississippi, with a plan to enter the oil business. With the support of his bride, the former Dorothy Lee Crum, Mr. Lampton embarked on a business career spanning 64 years that would see him at the helm of Ergon, a diversified empire that provides jobs to over 2,600 employees in Mississippi, 29 other states, and several other countries. While other businesses were moving to Texas during the oil boom years, Mr. Lampton made a commitment to remain in Mississippi, his home state.

He was a friend to many, but he was most comfortable talking with his employees, the persons he acknowledged as the success behind Ergon. He had a knack for hiring good people. He supported his employees in taking risks necessary for businesses to succeed, whether entering new markets or developing new products. He always reminded the employees that it was not all about profits. Mr. Lampton believed that you had to enjoy what you were doing in order to be successful in life.

Mr. Lampton had a gift for remembering the names of his employees and knowing something about their families. He was generous and supported activities for the children of his employees, from establishing academic scholarships to buying Girl Scout cookies. He also supported worthwhile charitable organizations in the communities where Ergon has a presence. Countless medical, educational and religious organizations have been the beneficiaries of his altruism.

Mr. Lampton preferred not to seek any recognition for his charitable donations, telling others who wanted to use his name that he was just doing what the Lord asked all of us to do. Mr. Lampton was a member of the Catholic Church, and his faith was the guiding influence in his life.

He is predeceased by his parents, Leslie Lampton Sr. and Jinx Anastasia Porcine Lampton, his sister Jennie Dehmer, and his niece Diane Dehmer Dinkins.

He is survived by his loving wife Dorothy Lee Crum Lampton (Dodie) of 69 years. They first met at Bailey Junior High in 1940 and started dating in his senior and her junior year at Central High School. They were married on May 8th, 1948.

Mr. Lampton is also survived by their four sons, Leslie B. Lampton III, Lee Crum Lampton, William W. Lampton (Bill), Robert H. Lampton, their spouses, ten grandchildren, twelve great grandchildren, and a nephew Joe T. Dehmer Jr.


The Lampton family would like to extend its sincere thanks to the caregivers who have been part of Mr. and Mrs. Lampton’s life recently: Jackie, Rynell, Elenore, Gladys and Renee. Special thanks go to Kathy Stone and Annie Ruth Herron who have been integral parts of the Lampton family for over 50 years.

The Lampton family asks that in lieu of flowers, friends donate to their favorite charity.
(Continued from page 6)

**Demand falls.** Total U.S. consumption of natural gas fell by 6% compared with the previous report week, according to data from PointLogic Energy. Natural gas consumed for power generation declined by 2% week over week. Industrial sector consumption decreased by 1% week over week. In the residential and commercial sectors, consumption declined by 13%, as weather was warmer than normal in California and across the south and close to normal on the eastern seaboard. Natural gas exports to Mexico decreased 9% because of maintenance on the Los Ramones pipeline in Mexico. Mexico has pushed the in-service date for the El Encino-La Laguna pipeline back to October 2018, according to Genscape, which may affect export growth from the Permian basin.

**U.S. liquefied natural gas (LNG) exports increase week over week.** Six vessels (combined LNG-carrying capacity 21.4 Bcf) departed the Sabine Pass liquefaction facility from March 29 to April 4. One vessel (LNG-carrying capacity 3.8 Bcf) was loading at the terminal on Wednesday.

After loading the first commissioning cargo at Dominion Energy Cove Point liquefaction terminal on March 1, the tanker Gemmata returned to the facility on April 3 to load the second commissioning cargo. Two other vessels are currently en route to Cove Point—Patris, controlled by Tokyo Gas and scheduled to arrive on April 9, and LNG Sakura, controlled by Kansai Electric and scheduled to arrive on April 20.

**UTICA WELL PRODUCTION**

During the fourth quarter of 2017, Ohio’s horizontal shale wells produced 4,193,562 barrels of oil and 503,066,907 Mcf (503 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.

**Fourth Quarter – 2017 – Utica Production Volumes:**

<table>
<thead>
<tr>
<th>2017 3 QUARTER</th>
<th>2017 4 QUARTER</th>
<th>PERCENTAGE CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barrels of Oil</td>
<td>4,165,729</td>
<td>4,193,562</td>
</tr>
<tr>
<td>MCF Nat. Gas</td>
<td>460,558,077</td>
<td>503,066,758</td>
</tr>
</tbody>
</table>

The ODNR quarterly report lists 1,897 horizontal shale wells, 1,869 of which reported oil and natural gas production during the quarter. Of the 1,869 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 2,799 Utica shale permits issued in Ohio, and 2,314 of them have been developed.

There are currently 1,869 Utica shale wells in production, with 23 rigs running.
THE INSIDER

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Years ago, because of low natural gas prices, some of us wanted an oil and gas association and River Gas Company called a special meeting to talk about gas contracts. I feel that they called this meeting to stop the idea of us forming an oil and gas association.

The meeting started by the introduction of Attorney Tom Greene whose law offices were in Clarksburg, West Virginia representing the River Gas Company. I had been in his office before getting an increase in our well head price from .25 cents/thousand to .31 cents /thousand.

Mr. Greene was a smart and tough attorney. He started asking the audience, one at a time, in the front row if they had any new gas that he could buy tonight. No one in the front row had any new gas or production.

After embarrassing 10 people or so in the front row he started in the second row asking if they had a new gas well and if they would sign a contract after the meeting. He would include a clause stating if the price of gas would go up they would get the new price. No one on the second row had any new gas. No takers.

Everyone laughed as Attorney Green made fun of us because he came from Clarksburg to attend this special meeting for the benefit of the producers but he was going home without any new contracts.

Then Attorney Green said very proudly and forcefully, if anyone in that room had any new gas and signed up tonight he would give you the new clause stating that you would always get the new price for your gas plus all new gas drilled on your existing leases.

He would even help you by extending the offer until noon tomorrow. From the back row I stood up and said I would sign the that contract tonight and dedicate 2700 acres to that contract.

Mr. Greene replied back to me by saying come to my office in the morning. Meeting Dismissed!

They started turning off some of the lights. Mr. Huffman called for a hand vote to form the association, but settled on a yea voice vote because the lights were being turned off. Because the fear of this association being formed, I got very, very good gas contract. The gas company at that time feared this association.

Drilled and completed the first rotary hole in Washington County and the first self-help gas contract.

Throughout the 1980s and 1990s, “self-help” transportation programs for commercial and industrial customers were introduced throughout the country which allowed customers the ability to contract with third party marketers for their supply of the natural gas commodity. In the late 1990s, “Choice” programs were made available to residential and small commercial customers which allowed them to do the same. *We added the text in red to give the reader an idea of what self-help gas contracts were about.
Traumatic Hand Injury - Easy to Overlook, Hard to Recover
Provided by Curtis Speck, President
Safety Resources Company of Ohio, Inc.

It is frequently said that the biggest safety hazards are the ones that are the easiest to overlook. Trip hazards caused by unseen power cords, and poor lighting conditions are good examples, but is there anything easier to overlook than your hands. How frequently do you think about your hands when you pick up your tools, write down your name, or drive your car. We are even taught that being able to perform tasks without looking at your hands is a valuable skill. It should be no surprise then that hand injuries are one of the most common accidents that cause workers to lose time every year.

According to the Bureau of Labor, hand injuries accounted for 137,000 non fatal injuries in 2014. On average these injuries result in 5 lost days of labor, but that’s just the cost to the business. For minor injuries, workers may only have to deal with minimal expenses and lost work. However, workers suffering severe injuries could quickly see these costs balloon into the thousands of dollars, while also suffering permanent injuries that can affect their quality of life, or even their ability to work at all. For these workers, that single moment of lost focus becomes the moment that their lives change forever.

Fortunately, workers can take simple steps to protect themselves from traumatic hand injuries. Start by making workers aware of the hazards presented by working in or on any piece of machinery they will be around. Inform them about where dangerous areas are located, such as gears, pinch points, sharp edges, and areas of extremely high temperature. Also instruct workers on the methods and equipment they can use to protect themselves from injury, such as approved hand hold points, Lockout Tagout procedures, correct PPE, and No Touch tooling. Lastly, encourage workers to be proactive about their own safety. Even something as simple as just being aware of where they are placing their hands as they work can have an enormous impact on preventing hand injuries.

As central to everyday life as they are, we tend to take our hands for granted. Don’t let a severe injury be what it takes to make you and your employees take hand safety seriously.
The Department of Energy’s Office of Fossil Energy (FE) announced today the appointment of Shawn Bennett as Deputy Assistant Secretary (DAS) for Oil and Natural Gas. As DAS for Oil and Natural Gas, Mr. Bennett will administer oil and gas programs, including research and development, analysis, and natural gas regulation.

Mr. Bennett has more than a decade of experience in public affairs and government relations in the coal and the oil and gas industries. Most recently, he served as the Executive Vice President for the Ohio Oil and Gas Association (OOGA), a non-profit trade association that is dedicated to representing Ohio oil and gas producers.

The organization represents over 2,000 members in all aspects of the exploration, production, and development of crude oil and natural gas resources in Ohio. His role at OOGA included overseeing all federal and state legislative and regulatory activities in Columbus, OH and Washington D.C.

Prior to joining OOGA, Mr. Bennett was the Director of Strategic Communications for FTI Consulting from 2011 to 2014. He worked with business leaders, elected officials, and residents in eastern Ohio and Pennsylvania regarding the safety and economic benefits of oil and gas exploration. From 2005 to 2011, he was the Government Affairs Manager for the Ohio Coal Association.
GAS PRICING 2018

**MARCH 2018**
- NYMEX Settlement: $2.6390
- Inside FERC/DTI: $2.1000 (Basis: $0.539)
- Inside FERC/TCO: $2.3700 (Basis: $0.269)
- NYMEX 3-day Average: $2.6327

**APRIL 2018**
- NYMEX Settlement: $2.6910
- Inside FERC/DTI: $2.240 (Basis: $0.451)
- Inside FERC/TCO: $2.500 (Basis: $0.191)
- NYMEX 3-day Average: $2.6333

OIL PRICING 2018

**ERGON OIL**
- **February PURCHASING WEST VIRGINIA MONTHLY AVERAGE**
  - February Ohio Tier 1: $61.2475
  - February Ohio Tier 2: $58.2475
  - February Ohio Tier 3: $56.2475
  - February West Virginia Tier 1: $61.2475
  - February West Virginia Tier 2: $58.2475
  - February West Virginia Tier 3: $56.2475
  - February Marcellus/Utica Condensate: $48.2475
  - February Marcellus/Utica Medium: $61.2475
  - February Marcellus/Utica Light: $56.2475
  - March Ohio Tier 1: $61.9390
  - March Ohio Tier 2: $58.9390
  - March Ohio Tier 3: $56.9390
  - March West Virginia Tier 1: $61.9390
  - March West Virginia Tier 2: $58.9390
  - March West Virginia Tier 3: $56.9390
  - March Marcellus/Utica Condensate: $48.9390
  - March Marcellus/Utica Medium: $61.9390
  - March Marcellus/Utica Light: $56.9390

**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

AMERICAN REFINING GROUP AVERAGE

- 2/11 to 2/20 Group 1 OH: $59.82
- Group 2 OH: $56.82
- Group 3 OH: $54.82
- 2/21 to 2/28 Group 1 OH: $61.96
- Group 2 OH: $58.96
- Group 3 OH: $56.96
- 3/1 to 3/10 Group 1 OH: $60.53
- Group 2 OH: $57.53
- Group 3 OH: $55.53
- 3/11 to 3/20 Group 1 OH: $60.87
- Group 2 OH: $58.67
- Group 3 OH: $55.87
- 3/21 to 3/31 Group 1 OH: $64.19
- Group 2 OH: $61.19
- Group 3 OH: $59.19
- 4/1 to 4/10 Group 1 OH: $62.35
- Group 2 OH: $59.35
- Group 3 OH: $57.35
- 4/11 to 4/20 Group 1 OH: $66.39
- Group 2 OH: $63.39
- Group 3 OH: $61.39

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)** - 30-59.99 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

A.W. Tipka Oil & Gas Inc

Alan and Sarah Tipka
2421 Johnstown Rd. NE
Dover, OH 44622
Office: 330-364-4333
Fax: 330-364-1219
Email: Tipka@aol.com
SOOGA 2017 AWARD WINNERS

- **Sarah Tipka** – 2017 Lifetime Achievement
- **Ron Grosjean** – 2017 Hall of Fame
- **Bobby Anderson** – 2017 Hall of Fame
- **Matt Lupardus** – 2017 Past President
- **Don Huck** – 2017 Workhorse
- **Paul Fulton Scholarship Winner** – Evan Levine

2017 SOOGA Hall of Fame Award - Fred Badertscher (Not Pictured) & 2017 Membership Drive Winner – Sam Palleschi (Not Pictured)

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SOOGA SPRING MEETING PRESENTERS

- **Legal Presentation** – Dan Corcoran
- **Economic Development** – Jerry James
- **OOGEEP Update** – Rhonda Reda
- **Ohio Update** – Don Huck
- **West Virginia Update** – Matt Lupardus

Bob Matthey was presented a Corporate Partners for Career Development Award from Marietta College for his companies Lippizan Petroleum Inc. and Cemenco Services participation in their petroleum engineering internship program.
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New Study shows Region has a $3.6 Billion advantage over the Gulf Coast!

In February my wife, Lynnda, and I were at a conference in Baltimore, Maryland. The theme was, “The Future”. What do Polaroid, Circuit City, Blockbuster, Borders, Pan-Am, Radio Shack, Compaq and Woolworth all have in common? They are all companies that have gone bankrupt. They could not adapt to change. John Chambers, Chairman and CEO of Cisco USA said, “If you don’t innovate fast, disrupt your industry, disrupt yourself, you’ll be left behind.” The internet and smart phone are changing our world. Amazon is disrupting the retail world. We are already seeing stores close because they can’t compete with online retailers. Today, technology has become the great disrupter.

Technology disrupted the oil and gas industry. The shales in the United States were known to contain abundant natural gas and oil. But the technology to extract it didn’t exist until recently. Hydraulic fracturing is an old technology that has been around for over 70 years. Horizontal drilling goes back to the 1960s. When the oil and gas industry figured out how to put these two technologies together effectively the United States went from energy crisis to the World’s leading oil and natural gas producer in less than 10 years. That was a major global disruption. Russia and OPEC lost much of their power and half of their oil revenues costing them billions of dollars.

In 2010 the Shale Crescent USA Region of eastern Ohio, western Pennsylvania and northern West Virginia produced about 3% of the USA’s natural gas. In 2017 that number was 30%. This Region now produces more natural gas than Texas. That is disruption. The Shale Crescent USA is where almost all of the growth of the USA’s gas supply has come from. The rest of the USA has only replaced the decline. The natural gas industry in the Shale Crescent USA region caused this disruption. The rest of the world and most of the United States still thinks Texas, Oklahoma and the Gulf Coast are where most of the growth in US natural gas supply is coming from. The Japanese were shocked to learn our Region produces more natural gas than Texas. The comment we heard the most was, “We had no idea.” Maybe most important what does this disruption mean to the local natural gas industry and the people of our Region?

Last week in Houston, Texas at the World Petrochemical Conference (WPC), Shale Crescent USA announced another potentially huge disruption. The World has changed again. This big change was announced to the World as part 45-minute panel discussion from the main stage in front of 1,300+ attendees from 40+ countries. We know about the Shale Crescent USA having a huge natural gas advantage and therefore feedstock advantage. A new Study by IHSMarkit, a highly respected global company, commissioned by Shale Crescent USA looked at what this advantage means to the petrochemical industry. The study, Benefits, Risks, and Estimated Project Cash Flows: Ethylene Project Located in the Shale Crescent USA versus the US Gulf Coast did a direct comparison between the two regions. Representatives from Shell, Bechtel (who is constructing the Shale plant at Monaca) and Mountaineer Storage were also on the panel.

The Study says, a new petrochemical plant built in our Shale Crescent USA Region would have a 4 times greater cash flow and save $3.6 Billion over a 20-year period, compared to similar plant built on the Gulf Coast. The Shale Crescent USA is now most profitable region in the world for a petrochemical plant. For the past 75+ years the US Gulf Coast has been the most profitable region for a petrochemical plant.

This Study compares the financial returns and risks of a major petrochemical and plastics investment in our Region with an identical investment in the US Gulf Coast. The Study will help create an understanding of the basis for decisions like Shell Cracker in Monaca and the recent PTT-Daelim announcement. It will give local companies hard data they can use to justify expansion. It will give foreign companies like those in Japan the hard data they need to justify coming here and bring high wage jobs for our people.

Because of the Study results, the Shale Crescent Team of Jerry James, Nathan Lord and me spent most of our time at WPC with key decision makers of our prospect companies. We had meaningful meetings with CEOs, company presidents, VPs, Directors and GMs. All of this happened because of the new technology that disrupted the oil and gas industry and allowed the natural gas industry to create world class wells through horizontal drilling and hydraulic fracturing. Shale Crescent USA (the organization) sponsored a special, invitation only lunch that resulted in 4 solid leads. All were foreign companies. One man was so excited that he said to me, “Can you send these slides to my boss “TODAY.”
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What does this all mean to you and your company? The slide that got the most attention in Houston was our slide showing the location of the wells, gas processing facilities and plant locations. How many places in the world are there where raw materials, fuel, abundant water, petrochemical plants and their customers are all in the same place? 500 miles away) and the Shale Crescent USA. This is a significant cost to Gulf Coast petrochemical plants. Once they manufacture their pellets, 70% of the polyethylene converters are in our Region or within a short drive of it, requiring Gulf Coast pellets to be shipped here at a significant cost. The converters (companies that turn the pellets into products) are in our Region because they are close to 50% of the US and Canadian markets.

We are already seeing some expansions in manufacturing and petrochemicals. The Shell cracker is under construction. All of these expansions will increase demand for natural gas. The crackers will increase demand for natural gas liquids. What would a significantly increased local gas demand mean for our E&P companies? The gas here is literally underneath the plants! Could this create direct sales to end users of gas or shorter pipeline hauls? Gas will still need to be shipped out of the Region, but a mix of long haul pipelines with local sales that avoid a major transportation fee would help to improve profitability for the natural gas industry?

Outside of the natural gas industry thousands of high-wage construction and manufacturing jobs will be created. These are long term career oriented jobs. The average petrochemical salary is close to $100,000 a year. That sure beats installing solar panels for $25,000 a year. The people with these jobs will need housing, vehicles, consumer goods and services, financial planners and attorneys. They will spend money in nice restaurants, movie theaters and amusement parks. They will buy tickets for concerts and sporting events. They will raise families and kick start regional growth.

When we talk about new construction and expansion the questions about workforce always come up. Joe Thompson, Senior VP of Bechtel said in Houston that he was thrilled with the local workforce. “They are safe, productive and intelligent.” This doesn’t surprise those of us who grew up here in the Region. We have a history of manufacturing. My grandfather, uncles and cousins were all steelworkers. The modern petrochemical industry started here. The first cracker was built by Union Carbide at Clendenin, WV in the 1920s. We still have a lot of work to do to train our workforce for the coming growth. We can accomplish that. The training facilities are in place.

This increased local demand isn’t going to be a sprint, it is a marathon but at least we now have several miles behind us. We got a lot of positive media on the Study the week we were in Houston. We have been told that this news has a “very long tail”. We have begun to create awareness and people all over the world are interested. We have a lot of follow up work from WPC to do. The next big event for Shale Crescent USA is the West Virginia Manufacturers’ Association Conference on April 16th and 17th in Morgantown, WV. Ron Whitfield of IHSMarkit will present the Study results there to the people in this Region. It will be a great conference.

A disruption has been created. The world has changed again and we are in the middle of it. Are YOU ready? Thoughts to ponder. For more information including the Executive Summary you can check out www.shalecrescentusa.com

Greg Kozera is the Director of Marketing for Shale Crescent USA www.shalecrescentusa.com. He has over 40 years of experience in the energy industry. Greg is a leadership expert with a Masters in Environmental Engineering and the author of four books and numerous published articles, including numerous presentations, radio shows and TV.
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  
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The Ohio Oil and Gas Energy and Education Program has awarded its 2018 Pipeline Award to Alliance Petroleum Corporation’s Marty Miller. The award recognizes Mr. Miller’s leadership in helping to develop many of OOGEEP’s industry safety training programs.

“We are proud to recognize Marty Miller for his distinguished and invaluable contributions to oilfield safety in Ohio,” said OOGEEP Board Chairman Ron Whitmire, Senior Vice President and Chief Administrative Officer for EnerVest, Ltd. “Marty is fond of saying, ‘Everyone goes home at the end of the day.’ As a result of his efforts, oilfield workers in Ohio are safer and better trained than ever before.”

As chairman of OOGEEP’s Safety and Workforce Committee, Mr. Miller was instrumental in the development of several oil and gas industry safety programs, which includes an International Association of Drilling Contractors accredited program. OOGEEP also offers a number of other specialized workshops that provide oilfield workers and other oil and gas professionals with up-to-date safety protocols and industry best practices. These programs also raise awareness of the latest safety, health and environmental issues facing oil and gas workers.

“Education begins with awareness,” said Mr. Miller during the award presentation at the Ohio Oil and Gas Association Annual Meeting. “The safety awareness training OOGEEP has provided may have helped someone get home safe to their family at the end of the a hard day’s work in the oil and gas fields. That is something I am very proud of.”

“I have been very fortunate to have worked for and with many bright and highly qualified people during my 42 years in the oil and gas industry,” added Mr. Miller. “I am grateful to John Miller, Dora Silvis and Tom Wright of Alliance Petroleum. And, I am especially thankful for my wife, Lorraine. She has allowed me to pursue my life’s work unimpeded.”

“Marty has been a strong advocate for providing our oilfield workers with the most comprehensive safety training available,” said OOGEEP Executive Director Rhonda Reda. “His stewardship of OOGEEP’s Industry Training Program has helped workers throughout the state.”

Mr. Miller previously served on the OOGEEP Board of Directors as board chair and Safety Committee chair. He is the vice president of operations and Marietta district supervisor for Alliance Petroleum Corporation. Mr. Miller is also a member of the Ohio Oil & Gas Association, and a past president of the Southeastern Oil & Gas Association. He has 42 years of experience in oil and gas exploration, production and development.

Mr. Miller is the sixth recipient of the OOGEEP Pipeline Award following Dominion East Ohio’s Tim McNutt (2017), Marietta College Emeritus Professor Dr. Robert W. Chase (2016), New Concord Fire Chief Brent Gates (2015); Cambridge Daily-Jeffersonian Reporter Judie Perkowski (2014) and Upper Arlington High School Teacher Jane Hunt (2014).

The Ohio Oil and Gas Energy Education Program (OOGEEP) is a non-profit statewide education and public outreach program. Created in 1998, OOGEEP provides a variety of programs throughout the State of Ohio. These programs primarily focus on teacher workshops, scholarships, science fair, firefighter training, industry training, career and workforce development, research, landowner and guest speaker programs.
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