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

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About Shale Crescent USA

OUR MISSON

- The mission of the Shale Crescent U.S.A. economic development initiative is to encourage business growth in the Mid-Ohio Valley based upon low natural gas prices
- that allow manufacturers to operate more efficiently while producing products more
- 4 economically with access to water and half the population of the United States and
- Canada. Shale Crescent USA is made up of business leaders, regional economic development partners, non-profit and non-governmental agencies, area Chambers of Commerce, utilities, financial and educational organizations throughout Ohio, West
- Virginia and the Mid-Ohio Valley. The goal is to seamlessly provide information and
- resources for companies and entrepreneurs looking to relocate, expand or startup. Information and resources include available properties, access to capital, workforce,
- incentives and taxes, energy and utilities as well as connections to political, financial, supplier and customer networks.

• AN ECONOMIC POWERHOUSE

- Shale Crescent USA, located in the Mid-Ohio Valley is at the epicenter of the Marcellus and Utica Shale play, and these natural resources make the region an economic powerhouse of opportunity. It is home to some of the most recognized brands in the
- world, yet, in many ways, is a well-kept secret. It is remarkably accessible to a large portion of the U.S. population, located on the Ohio River, yet isolation is readily avail-
- able if it is so desired. It offers a low cost of living and high quality of living, so it is both affordable and priceless. It is decidedly high-tech with an eye to the future, yet
- still manages to retain neighborly hospitality. Shale Crescent USA offers this unusual balance of fast/slow, big/small, and central/secluded.

• POWERED UP FOR BUSINESS

29 Shale Crescent USA is powered up for business. The region is unsurpassed in its support of business, its abundant natural resources, and its eager and skilled workforce. Shale Crescent USA extends a warm welcome to any business, corporation and entrepreneur that needs room to expand or is looking for a place to call home.

REACH OUT TO US

We welcome and encourage you to <u>reach out to us</u>. Whether you are looking to relocate or expand your business endeavors, or simply looking to learn more about what the Shale Crescent has to offer your company, our doors our always open. We invite you to broaden your horizons, and open your imagination to the possibilities that lie within the gem of the Mid-Ohio Valley - the Shale Crescent USA.

Article from the Shale Crescent website at www.shalecrescentusa.com

Southeastern Ohio Oil & Gas Association 2016 Annual Fall Trade Show is scheduled for Thursday, September 15th. The Trade Show will be held at the Washington County Fairgrounds, Junior Fair Building, Marietta Ohio. The doors will open at 7:30 am for the training sessions and will open to the public at 8:00am. Exhibits open all day from 8:00am – 4:00 pm. See page 31 for registration and agenda.

THE CROW'S NEST

Join us at the 2016 SOOGA Trade Show! It's that time of year again and your SOOGA
Events Committee has prepared another excellent Trade Show for you to enjoy. This year's
Trade Show will take place on September 15th and will again be held at the Washington
County Fairgrounds in Marietta, Ohio. The show will start at 8:00 am with several great
training sessions followed by important industry updates and technical presentations beginning at 11:00 am.
Lunch will be served at noon and vendor booths will be open all day. Many door prizes will also be raffled

throughout the day. Visit sooga.org to register and view this year's agenda!

We look forward to another great Trade Show. In a continued effort to help our membership navigate through the current downturn, several technical presentations will focus on strategies for "Surviving these Tough Times". Given the continued volatility in commodity prices faced by our industry, several key topics related to natural gas marketing will be covered during the afternoon sessions. Gas marketing is a very important part of the oil and gas business, one that many of us may not be well versed in. Long range planning and preparation in this key area can help create a bridge and security net during the downturn. Dave Gaiser with IGS Energy will provide an informative "Gas Marketing 101" presentation following lunch. Dave will discuss the basics of gas marketing, which will provide a good framework for the Gas Marketing Panel to follow, which will be geared towards sharing ideas and answering questions about potential strategies to "Optimize the Market". You won't want to miss it!

Several other key presentations and training sessions will be delivered. Important industry and legislative updates will be provided by Shawn Bennett with OOGA, Charlie Burd with IOGA WV, and Representative Andy Thompson (OH District 95). Safety training and awareness sessions will also be covered throughout the day. Charlie Dixon with OOGEEP, Bill Carol with Henderson Wilds, and the Washington County Sheriff's Office will each cover some very interesting and useful safety topics. You also won't want to miss excellent training on Auto Start Engines and Compressor Maintenance provided by Stevens Oil & Gas and Canaan Industries, respectively.

It should be another excellent Trade Show and we hope to see you there! As always, your SOOGA team will serve our membership as much as possible during these tough times. The SOOGA Executive Committee, Board of Trustees, and various sub-committees will continue to monitor and address industry related developments, push back against attacks on our industry, and provide more great events into the future.

Thank you for all you do to provide energy for our community, state, and country. As you continue to navigate through these tough times and weather the storm, keep your head up and remember... this too shall pass!

President Matt Lupardus VOLUME 31, ISSUE 2 Page 3

2016 NEW MEMBERS **SOOGA** would like to welcome the following new members:

DORRAINE ALLEN

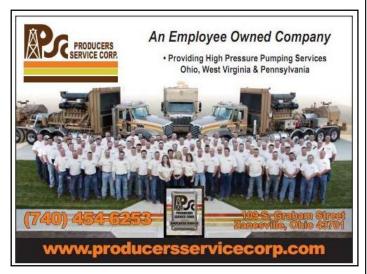
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Robert Gerst, Sr. Ergon Oil Purchasing, Inc. 740-516-6623

Rov Marshall United Rental Inc. 740-373-5161

Southeastern Ohio Oil and Gas Association Gas Committee Report August 2016

PRICING

Prices August 9, 2016

One Year NYMEX strip (Sept., 2016 – Aug, 2017)	\$2.98
Summer NYMEX strip for 2016 (SeptOctober)	\$2.62
Winter NYMEX strip – 2016 (Nov., 2016 – March, 2017)	\$3.10
TCO Index Posting –August, 2016	\$2.59
DTI Index Posting – August, 2016	\$1.28

It appears that high storage levels combined with enhanced production capabilities and slow usage growth could keep gas prices from rising dramatically over the next couple of years.

GAS STORAGE AS OF THE August 7, 2016 Report

Working Gas in storage was 3,140 bcf as of Friday, July 1, 2016. At 3,140, total working gas is 599 bcf above the 5 year historical range.

Stocks billion cubic feet (Bcf)			Year ago (07/01/15)		5-Year average (2011-2015)		
Region	08/05/16	07/29/2016	change	(Bcf)	% change	(Bcf)	% change
East	746	729	17	575	13.7	594	10.1
Midwest	845	825	20	572	33.6	604	26.5
Mountain	215	213	2	157	28.7	149	35.6
Pacific	314	314	0	330	-5.2	303	3.3
South Central	1,246	1,207	-39	1,007	23.7	931	33.8
Salt	354	320	-34	296	19.6	239	48.1
Nonsalt	893	886	7	711	25.6	692	29.0
Total	3,317	3,140	39	2,641	20.4	2,580	23.2

Storage is 74% full compared to normal as of this report, with normal total capacity of 4,336 at the start of the withdrawal season. Storage is 538 BCF above last year, and 599 BCF above the five year average.

Source: Form EIA-912, "Weekly Underground Natural Gas Storage Report." The dashed vertical lines indicate current and year-ago weekly periods.

FEDERAL JUDGE STRIKES DOWN OBAMA ADMINISTRATION'S FRACKING RULES ON PUBLIC LANDS

Article provided by: Carl Heinrich

Editor's Note:

The following article is reprinted from Well Servicing magazine July-August 2016 Issue. This is the official publication of the Association of Energy Service Companies (AESC). While this article deals with BLM regulations of hydraulic fracturing in several western states, it is important because the actions purposed by BLM would also have application to fracing operations in the Wayne National Forest lands where the BLM regulates subsurface aspects of oil and gas development.

A federal judge in Wyoming has struck down the Obama administration's regulations on hydraulic fracturing, ruling that the U.S. Bureau of Land Management doesn't have the authority to establish rules over fracking on federal and Indian lands.

U.S. District Judge Scott Skavdahl issued a ruling on June 21, invalidating the regulation, saying the Interior Department lacked the authority to issue it because Congress hadn't given the agency such authority.

"The issue before this Court is not whether hydraulic fracturing is good or bad for the environment or the citizens of the United States, he wrote. The question, instead, is "whether Congress has delegated to the Department of Interior legal authority to regulate hydraulic fracturing. It has not."

The BLM rules in question include a requirement that companies drilling for oil and natural gas disclose the chemicals they use in the fracking process. They also mandate storage protocols for recovered wastewater, cement barriers between wells and water zones, and detailed disclosure of the locations of existing wells.

Colorado, North Dakota, Utah and Wyoming along with the Ute Indian tribe, brought the issue to the court. And Skavadhl agreed that the BLM, a bureau of the Department of the Interior, had never been granted the authority to regulate fracking.

U.S. Representative Cynthia Lummis of Wyoming praised the decision, saying the Obama administration's rules undermined the "careful and efficient regulation" of the states such as Wyoming.





(Continued from page 4)

GATHERCO

Chesapeake Utilities Corporation announced a Definitive Merger Agreement to acquire Gatherco, Inc.

On January 30, 2015, Chesapeake Utilities announced a merger agreement to acquire Gatherco, merging it into Aspire Energy of Ohio, LLC, a wholly-owned subsidiary of Chesapeake Utilities. It is expected to be completed in the second quarter of 2015.

The transaction has an aggregate value of approximately \$59.2 million, inclusive of the following:

\$49.8 million in exchange for all outstanding shares of Gatherco common stock, paid as follows:

593,005 shares of Chesapeake Utilities common stock, valued at \$29.9 million, and

\$19.9 million in cash (before payment of certain transaction expenses and escrow deposits);

\$7.7 million in cash in consideration for cancellation of all outstanding Gatherco stock options; and Assumption of Gatherco's debt at closing, estimated to be \$1.7 million.

GATHERCO RETAINAGE

Retainage for April, 2016 is as follows for the Gatherco systems. Treat was 13.0%, Miley was 9.0%, Meigs was 15.0%, York was 8.0%, Grimes was 18.0%, and Elk was 8.0%.

May, 2016 retainage was not available as of the date of this report.

EIA FORECAST March 8, 2016:

EIA forecasts that inventories will end the winter heating season (March 31) at 2,288 Bcf, which would be 54% above the level at the same time last year. Forecast Henry Hub spot prices average \$2.25/million British thermal units (MMBtu) in 2016 and \$3.02/MMBtu in 2017, compared with an average of \$2.63/MMBtu in 2015.

US crude oil production averaged an estimated 9.4 million barrels per day (b/d) in 2015, and it is forecast to average 8.7 million b/d in 2016 and 8.5 million b/d in 2017. EIA estimates that crude oil production in December fell 80,000 b/d from the January level.

Forecast West Texas Intermediate (WTI) crude oil prices average \$2/b lower than Brent in 2016 and \$3/b lower in 2017. However, the current values of futures and options contracts continue to suggest high uncertainty in the price outlook. For example, EIA's forecast for the average WTI price in June, 2016 of \$35/b should be considered in the context of recent contract values for April 2016 delivery (Market Prices and Uncertainty Report) suggesting that the market expects WTI prices to range from \$24/b to \$58/b (at the 95% confidence interval).

WEST VIRGNIA NEWS:

West Virginia legislators are currently considering forced pooling, and the producers and oil and gas associations are working with the House and Senate to develop rules. The last attempt did not pass, and they are working to come up with some acceptable legislation in 2015.

New Tank Regulations:

West Virginia has adopted some new tank regulations recently. The results and requirements of this new regulation was set out and explained in the latest SOOGA Newsletter, so please read it to familiarize yourself with these regulations if you have production in WV.

(Continued to page 8)

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SOOGA Legacy Fund

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.

2016 SOOGA Calendar of Events

Ergon Fish Fry

September 21st, 2016 St. Marys Marina St. Marys, WV

BD Oil Gathering Pig Roast

September 30, 2016

Fall Clay Shoot

October 14th, 2016 Hilltop Sports Whipple, OH

Annual Gun Giveaway

November 2016

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(Continued from page 6)

UTICA NEWS:

NEW PIPELINES PROPOSED TO SPUR UTICA SHALE DRILLING IN OHIO

SUNOCO LOGISTICS PARTNERS, L.P.

Sunoco Logistics Partners L.P. announced on 11/6/2014 that it will build a huge pipeline project that will quadruple the Marcellus Shale gas liquids moving through the Philadelphia area called the Mariner East 2 project. It will be at least 16 inches in diameter, and begin in Scio, Ohio and cross West Virginia and Western Pennsylvania to the Philadelphia area. The pipeline will be 350 miles long, and is expected to deliver 275,000 barrels per day of natural gas liquids (NGL) to the Marcus Hook complex, and will begin operations by the end of 2016, subject to regulatory and permit approvals.

DOMINION RESOURCES INC.:

Four energy partners formally asked the federal government on Friday for permission to build a 564-mile natural gas pipeline in West Virginia, Virginia and North Carolina.

The 348-page application was submitted to the Federal Energy Regulatory Commission.

The \$5 billion Atlantic Coast Pipeline is intended to deliver cleaner burning natural gas to the Southeast as utilities move away from coal-burning power plants amid tighter federal rules on pollution that contributes to climate change.

Richmond, Virginia-based Dominion Resources Inc. and Charlotte, North Carolina-based Duke Energy would have 45 percent and 40 percent ownership stakes in the pipeline, respectively. Charlotte-based Piedmont Natural Gas would have a 10 percent ownership and Atlanta-based AGL Resources, 5 percent.

The pipeline would carry natural gas from Marcellus Shale drilling in Pennsylvania, Ohio and West Virginia to the Southeast. It would run from Harrison County, West Virginia, southeast to Greensville County, Virginia, and into North Carolina.

DUKE ENERGY:

Duke Energy and Piedmont Natural Gas today announced the selection of Dominion to build and operate a 550-mile interstate natural gas pipeline from West Virginia, through Virginia and into eastern North Carolina to meet the region's rapidly growing demand for natural gas. The pipeline has an estimated cost of between \$4.5 billion and \$5 billion, an initial capacity of 1.5 billion cubic feet of natural gas per day, and a target in-service date of late 2018. Gas will be carried through a 42 -inch-diameter pipe in West Virginia and Virginia, and a 36-inch-diameter pipe in North Carolina. The pipeline's main customers are six utilities and related companies that collectively will purchase a substantial majority of the pipeline's capacity to transport natural gas – Duke Energy Carolinas, Duke Energy Progress, Virginia Power Services Energy, Piedmont Natural Gas, Virginia Natural Gas, and PSNC Energy.

AMERICAN ENERGY/REGENCY ENERGY PARTNERS

American Energy and Regency Energy Partners are planning a \$500 million pipeline to move American Energy's Utica shale gas to major pipelines like Rockies Express and Texas Eastern that service Texas, Colorado, and states along the nation's southeastern rim. The 52 mile system will deliver more than 2 BCF per day of gas supply. It is expected to be completed in the third quarter of 2015.

ENERGY TRANSFER

A second interstate pipeline is being planned to ship natural gas from the Utica and Marcellus Shale regions across Stark County. The planned Rover Pipeline would carry up to 3.25 BCF of natural gas per day from West Virginia, Pennsylvania, and Ohio. In total, the Rover mainline will include 380 miles of 36 inch and 43 inch diameter pipe and five compressor stations, plus 197 miles of supply laterals ranging in diameter from 24 to 47 inches.

MIDSTREAM/PROCESSING NEWS:

Pinto Energy is looking to build a 2,800 bbl/day gas to liquids plant east of Ashtabula, Ohio. It will produce high quality synthetic liquids as well as lubricants, waxes and solvents from gas being produced by the Utica and Marcellus formations.



Brandon Preston Store Manager

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OBITUARIES



Nicholas R. "Corky" DeMarco embraced life and those he loved.

He died unexpectedly early Friday, July 8, at his home in Pinch. He was 68. His loss is profound to family, friends, associates and West Virginia.

Surviving are his wife, Catherine, sons, Matt DeMarco and Joey DeMarco and his wife, Katie and their daughter, Eliza; his stepson, Jason Milano and his wife, Sohini, and their son, Arjun; his sister, Cathy, and her husband, Wib Wood.

He was born in Charleston in 1948, the son of the late Nicholas and Betty DeMarco. He graduated from Charleston Catholic High School and West Virginia State College.

DeMarco devoted himself to his family while he worked tirelessly with innumerable friends and business associates to create economic opportunities in his native state. He became executive director of the West Virginia Oil and Natural Gas Association in 2002, dramatically built its membership during the past 14 years and promoted natural gas development, which created economic benefits and employment opportunities for thousands of West Virginians.

Previously, he had a long career as an administrator in the West Virginia Department of Health and Human Resources. He joined the administration of Gov. Cecil H. Underwood in 1997 and served as director of operations.

DeMarco's family and friends knew him for his quick wit, humor and keen political and governmental insights. Most of all, they remember him for his loyalty and integrity. He believed in caring for his family and community. He fought passionately for his beliefs. He would rather help a friend or stranger than acknowledge any difficulties he may have had.

He spoke plainly, truthfully and insightfully. He was comfortable meeting in corporate boardrooms, managing government agencies and trekking to rivers and through forests to fish and hunt.

He fondly recalled his sons' athletic endeavors and respected their professional accomplishments. He was a proud husband, father, stepfather and grandfather. His family life often centered around the kitchen and the remarkable meals he and Catherine prepared for family and friends.

After the DeMarcos' Pinch home flooded last month and they worked to recover, he volunteered to help others overcome their flood-related losses. For that reason, the DeMarco family encourages friends to donate to the ongoing flood-relief efforts.

Article taken from www.barlowbonsall.com/obituaries

2016 Membership Directory Updates

Please review your current contact information, if you have any changes or corrections please contact our office at 1-740-374-3203 or mail@sooga.org

Please see correction below:

Larry Hill– Phone number 740-350-6560, Fax # n/a

SPRAINS AND STRAINS

Sprains and Strains, most often involving the back, accounted for 43% of the 1.3 million injuries and illnesses in private industry. Most cases occur in construction, transportation, and general industry.

Employers need to train workers so they can safely perform lifting tasks. Engineering controls attempt to redesign a job so lifting becomes less hazardous.

Suggested administrative controls include:

- Training employees to utilize lifting techniques that place minimal stress on the lower back.
- Physical conditioning or stretching programs to reduce the risk of muscle strain.

Suggested engineering controls include:

- A reduction in the size or weight of the object lifted. The parameters include maximum allowable weights for a given set of tasks requirements; the compactness of a package; the presence of handles, and the stability of the package being handled.
- Adjusting the height of a pallet or shelf.
 Lifting which occurs below knee height or above shoulder height is more strenuous than lifting between these limits.
 Obstructions which prevent an employee's body contact with the object being lifted also generally increase the risk of injury.
- Installation of mechanical aids such as pneumatic lifts, conveyors, and/or automated materials handling equipment.

Other Factors:

Frequency of lifting, duration of lifting activities, and type of lifting, as well as individual variables such as age, sex, body size, state of health, and general physical fitness.



Proper Lifting:

- 1. Plan your move:
 - Size up the load and make sure your path is clear.
 - Get help as needed.
 - Use a dolly or other materials handling equipment if possible.
- 2. Use a wide, balanced stance with one foot slightly ahead of the other.
- 3. Get as close to the load as possible.
- 4. Tighten your stomach muscles as the lift begins.
- When lifting, keep your lower back in its normal arched position and use your legs to lift.





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GAS PRICING 2016

JULY 2016

NYMEX Settlement: \$2.9170 Inside FERC/DTI: \$1.9800(Basis: -\$0.937) Inside FERC/TCO: \$2.8100 (Basis: -\$0.107) NYMEX 3-day Average: \$2.6620

AUGUST 2016

NYMEX Settlement: \$2.6720 Inside FERC/DTI: \$1.2800(Basis: -\$1.392) Inside FERC/TCO: \$2.5900 (Basis: -\$0.082) NYMEX 3-day Average: \$2.7470

OIL PRICING 2016

ERGON OIL PURCHASING WEST VIRGINIA MONTHLY AVERAGE

June Ohio Tier 1: \$47.7130
June Ohio Tier 2: \$44.7130
June Ohio Tier 3: \$42.7130
June West Virginia Tier 1: \$47.7130
June West Virginia Tier 2: \$44.7130
June West Virginia Tier 3: \$42.7130
June Marcellus/Utica Condensate: \$30.7130
June Marcellus/Utica Medium: \$47.7130
June Marcellus/Utica Light: \$42.2130

July Ohio Tier 1: \$44.0729
July Ohio Tier 2: \$41.0729
July Ohio Tier 3: \$39.0729
July West Virginia Tier 1: \$44.0729
July West Virginia Tier 2: \$41.0729
July West Virginia Tier 3: \$39.0729
July Marcellus/Utica Condensate: \$27.0729
July Marcellus/Utica Medium: \$44.0729
July Marcellus/Utica Light: \$38.5729

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)

One stop location (one or more tanks at a single location)

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

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 2015/2016

AMERICAN REFINING GROUP AVERAGE

6/11 to 6/20 Group 1 OH: \$47.30

Group 2 OH: \$44.30

Group 3 OH: \$42.30

6/21 to 6/30 Group 1 OH: \$47.34

Group 2 OH: \$44.34

Group 3 OH: \$42.34

7/1 to 7/10 Group 1 OH: \$46.14

Group 2 OH: \$43.13

Group 3 OH: \$41.34

7/11 to 7/20 Group 1 OH: \$44.47

Group 2 OH: \$41.47

Group 3 OH: \$39.47

7/21 to 7/31 Group 1 OH: \$41.84

Group 2 OH: \$38.84

Group 3 OH: \$36.84

8/1 to 8 /10 Group 1 OH: \$40.52

Group 2 OH: \$37.52 Group 3 OH: \$35.52

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:

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W.VA CHALLENGES EPA'S OIL & GAS METHANE RULE

By: Glynis Board (/People/Glynis-Board-Aug 3, 2016

This week West Virginia's Attorney General launched his <u>latest lawsuit</u> against the federal Environmental Protection Agency. Patrick Morrisey is leading a dozen other states in a suit that hopes to dismantle a rule aiming to reduce methane emissions produced by the oil and gas industry.

The <u>suit</u> asks the U.S. Court of Appeals for the District of Columbia Circuit to review a rule that sets the first-ever standards to cut methane emissions from the oil and gas sector. The EPA estimates the oil and gas industry is the largest methane-emitting sector in the country. The agency finalized new standards earlier this year because methane is a potent greenhouse gas.

Morrisey says the new regulations are illegal and will threatens jobs by raising gas production and distributions costs. The EPA estimates regulations will cost the industry \$530 million in 2025. Recent financial reports indicate the sector created over \$230 billion in revenues last year.

The suit was filed on the heels of a separate, similar suit filed by a dozen industry groups.



Utica East Ohio (UEO), a joint venture by Access Midstream, M3, and EV Energy Partners, became the first fully integrated gathering, processing, and fractionation complex to be put into operation on July 28, 2013 in Eastern Ohio. This initial phase of the UEO project is capable of processing 220-million cubic feet per day at their cryogenic processing facility near Kensington, and is processing 45,000 barrels per day of natural gas liquids at their fractionation, storage and rail facility near Scio.

The second phase is under construction and scheduled to be completed in December, 2014 with a third phase to follow. When complete, the UEO project will have 800 million cubic feet per day of cryogenic processing, 135,000 barrels per day of natural gas liquids fractionation, 870,000 barrels per day of natural gas liquids fractionation, 870,000 barrels of gas liquids storage and a rail facility capable of loading 90 cars per day.

Hickory Bend Project, the NiSource and Hilcorp natural gas processing project, has announced the construction of a \$60 million pipeline to move natural gas liquids from their cryogenic natural gas processing plant in Springfield Township to attractive market destinations. Pennant Midstream will construct the 12 inch 38 mile pipeline. It will have the capacity to deliver up to 90,000 bbls. of NGS per day to a Utica East Ohio pipeline in Columbiana County, and from there be transported to the fractionator in Harrison County. It is expected to be complete by July, 2014

Appalachian Resins announced that it will <u>build</u> a \$1 billion facility in Monroe County that will be able to process approximately 18,000 barrels per day of ethane into ethylene and polyethylene, the feedstock for plastic and many other items we use in our daily lives. The facility is expected to begin operating in early 2019 and will produce 600 million pounds of ethylene/polyethylene per a year. This new feedstock has the potential to reinvigorate the manufacturing sector in the region, which will, in turn, increase investment and jobs in the Ohio Valley.

For more information, click on this link; http://energyindepth.org/ohio/new-natural-gas-plant-up-and-running-in-eastern-ohio/

FIRST QUARTER - 2016 - PRODUCTION VOLUMES:

COLUMBUS, OH - During the first quarter of 2016, Ohio's horizontal shale wells produced 5,485,854 barrels of oil and 329,537,838 Mcf (329 billion cubic feet) of natural gas, according to figures released today by the Ohio Department of Natural Resources (ODNR).

Quarterly production from the first quarter of 2016 shows a significant increase from quarterly production from the first quarter of 2015.

1st. Quarter 2016 YTD Totals

	2015 (SHALE)	2016 (SHALE)	INCREASE
Barrels of oil:	4,432,188	5,485,854	24%
Mcf of gas:	183,585,251	329,537,838	80%

AS of July 2, 2016, there have been 2,187 Utica Shale permits issued in 23 counties in Ohio to 29 companies, and 1,755 of them have been developed. The counties are listed below.

Ashland, Belmont, Carroll, Columbiana, Coshocton, Geauga, Guernsey, Harrison, Holmes Jefferson, Knox, Mahoning, Medina, Monroe, Muskingum, Noble, Portage, Stark, Trumbull, Tuscarawas, Washington, and Wayne.

There are currently 1,265 Utica Shale wells in production, with 11 rigs running.

Use of Data:

The information contained in this document is compiled and furnished without responsibility for accuracy and is provided to the recipients on the condition that errors or omissions shall not be made the basis for a claim, demand or cause of action. The information contained in this document is obtained from recognized statistical services and other sources believed to be reliable, however we have not verified such information and we do not make any representations as to its accuracy or completeness.

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NEWS RELEASE

Teachers Energized to Go Back to School

GRANVILLE, OH – Teachers of multiple grade levels, all across Ohio, will walk into classrooms this fall ready to share with their students exciting new information, labs and educational materials they received by attending specialized energy education workshops this summer. More than 70 dedicated Ohio teachers took part in the sessions hosted by the Ohio Oil and Gas Energy Education Program (OOGEEP).

Now in their 18th year, OOGEEP teacher workshops continue to provide educators with a better understanding of how science, technology, engineering and math (STEM) principles are used by energy professionals every day. OOGEEP's science curriculum, *STEM Lessons in Oil and Gas Energy Education*, was designed by teachers to meet



specific state and national science standards. During the workshops, professional educators walk teachers through the curriculum and assist in the various hands-on science labs. Industry professionals also offer insight into how science and industry are intimately connected. This year, the summer workshop series were held in Marietta and Canton, and also included tours to a wide variety of facilities in the state.

"OOGEEP strongly supports education by providing instruction and supplying materials for our students to use in order to learn this curriculum," said Twinsburg 7th grade teacher Michelle Lowden. "I believe this was the most planned, prepared, effective and useful two-day workshop I have ever attended."

"This workshop was a priceless experience for me and ultimately my students," said New Lexington 8th grade teacher Cortney Folk. "OOGEEP furthered my own education and filled my summer with excitement thinking about the endless possibilities available in science."

"It's essential for Ohio's teachers and students to learn about the importance of energy production, and how it impacts every resident in this state," stated Rhonda Reda, OOGEEP Executive Director. "As an important industry to Ohio, it is also our responsibility to make sure that we continue to support teachers and students in our communities, and to help demonstrate how science education is critical to developing local energy resources."

OOGEEP's STEM Lessons in Oil and Gas Energy Education includes curriculum related to geology, engineering and chemistry, among other areas. It includes experiments that: demonstrate how biotic material is transformed into hydrocarbons; explain the principles of geologic time and how crude oil and gas are stored and move through rock formations; help students understand how scientists map geologic formations underground using sound waves; demonstrate the importance of engineering and math in drilling, producing and transporting crude oil and natural gas; and how chemistry is critical to refining and processing hydrocarbons into more than 6,000 familiar products such as plastics, soaps, medicines, synthetic fibers and rubber.

Through financial support from Ohio's oil and gas producers, there is no cost for teachers to attend the energy education workshops. Educators earn continuing education credits, optional graduate credit, and receive graphic organizers, internet activities, career connections, curriculums, classroom supplies and material kits to take back to their classroom and students. Information about OOGEEP's teacher workshops and other resources available for educators and students can be found online at oogeep.org/teachers-students.

About the Ohio Oil & Gas Energy Education Program

The Ohio Oil & Gas Energy Education Program (OOGEEP) is a nonprofit statewide education and public out-reach organization. OOGEEP is funded by Ohio's oil and gas operators through an assessment on the production of all oil and gas produced in the state. The primary mission of OOGEEP is to develop and implement educational materials and workshops. Some of these programs include teacher workshops, scholarships, science fairs, firefighter training, industry safety training, career and workforce development, research, landowner education and guest speaker programs. OOGEEP has developed nationally recognized curriculum and training programs, and has received numerous national and state awards from a variety of sources. For more information, visit www.oogeep.org.



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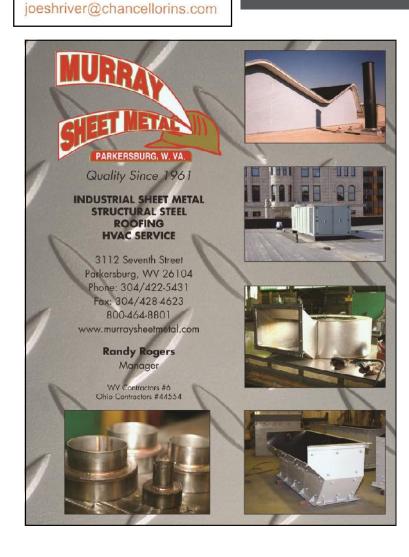
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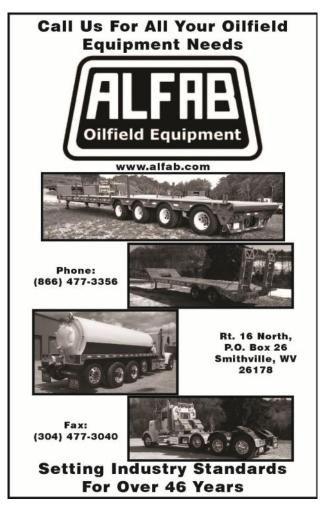
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BLAST FROM THE PAST

By Carl Heinrich

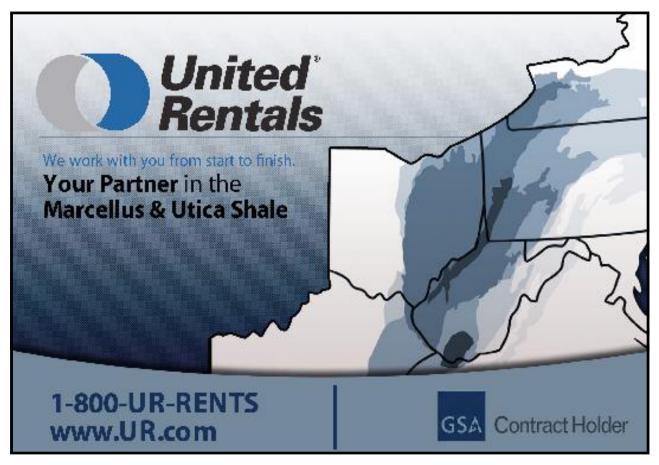
When did the spelling change?

With the last few years the spelling of the process correctly known as hydraulic fracturing has changed from FRACING to FRACKING. Fracing is the spelling used when the process was developed in the 1950's and became common in the Appalachian gas fields by the late 50's.

We suspect that the change by adding the "k" was done by "counter culture" types to make it sound more sinister much the same way that they spell "Amerika" sometimes with the K turned backwards to emulate Russian spelling.

Your editor's fracing experience goes back to the summer of 1959 when employed in the drilling and completion of 7000+ feet deep Oriskany wells in Clearfield Co., Pennsylvania. These wells were equipped with 7" casing with a large Orbit valve for frac purposes on the well head which was in a wood lined cellar. After the frac job was completed the youngest "weevil" hand got the job of starting flowback. Because of the residual well pressure from the treatment, there was considerable pressure differential that had to be overcome to get the valve to open. I found that the best way to do this was to get down in the cellar with my back to the well timbers and push against the spokes of the valve wheel with my feet. Often this resulted in a bath of sorts but it was a hot summer and I dried out quickly.

This was my introduction to the wonderful world of fracing. Through the remainder of my career including as an engineer I always saw it spelled without the k when discussed by those who knew of what they spoke.



Ohio's Oil and Gas Industry Supports Students Through Scholarships and Awards

By: Mark Bruce, OOGEEP Communications Director

GRANVILLE, OH – Made possible with funding and support from Ohio's crude oil and natural gas producers and affiliated industries, the Ohio Oil and Gas Energy Education Program (OOGEEP) is proud to announce the recipients of the 2016 OOGEEP Scholarships and recognize the winners of the OOGEEP award at the 2016 Ohio State Science Day.

OOGEEP awarded scholarships to 50 students pursuing careers in Ohio's oil and gas industry and recognized 24 students who competed for the OOGEEP award at the Ohio Academy of Science's State Science Day. Since its inception, OOGEEP has recognized more than 350 students for their excellence.

"Ohio's oil and gas industry considers it a privilege to recognize the best and brightest students our state has to offer," said Marty Miller, OOGEEP Board Chairman and Sr. Vice President of Operations, Alliance Petroleum Corp. "Two huge parts of OOGEEP's mission are to encourage science education through programs like our science fair awards and to help individuals in their pursuit of oil and gas careers through scholarships. Our state is in good hands knowing these remarkable men and women are our future."

OOGEEP scholarships were awarded to 50 students representing 18 local universities, colleges or technical institutes. The scholarship is renewable for up to four years and funding is made possible by special industry training proceeds, memorial contributions and general donations from Ohio's oil and gas industry. Winners must have an energy career goal and be either an Ohio resident or attending an Ohio educational institution. A committee of oil and gas industry professionals volunteer their time to judge the students on career goals, essays, letters of recommendation, academic achievement, awards of special recognition, community service and other outside activities.

"Students continue to show great interest in careers in our industry, and we're glad to help them pursue their dreams," said Frank Gonzalez, OOGEEP Scholarship Committee Chair and Secretary/Treasurer, GonzOil, Inc. "It's critical that our industry continue to support the next generation of workers who will help fulfill our local energy needs for years to come."

Ohio's State Science Day is one of the largest events of its kind in the nation and the equivalent of a state athletic championship. More than 1,000 students from around the state compete and OOGEEP judges students on their scientific research, communication skills and outstanding work or knowledge about crude oil and/or natural gas in the areas of geology, engineering, chemistry, technology, microbiology, physics and environmental sciences. OOGEEP recognizes students with a certificate and a cash prize.

"Each and every year, we continue to be amazed by these aspiring young scientists and award winners," said Rhonda Reda, OOOGEEP Executive Director. "The knowledge and demonstration of science, technology, engineering and math in their projects is so impressive. Coupled with our scholarship recipients, it's rewarding for our organization and industry to be able to salute these students for all that they have already accomplished."

To date, OOGEEP has recognized 353 students with scholarship or science fair awards. These students represent 200 hometowns in 49 Ohio counties.

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THIS WEEK'S OOGA PIPELINE IS A GEM

By Carl Heinrich

For the benefit of our membership who are not Ohio Oil and Gas Association (OOGA) members, we wish to call attention to their weekly newsletter known as the OOGA *Pipeline* delivered to your computer. The current issue for July 2016 (as this is written) is a real gem. It contains articles you will not see elsewhere in the "lame stream media" which tends to ignore things positive to our industry. For example, there is an expose of slanted "research" on "dangers of fracking" put forth by flawed research from University of Cincinnati.

Another gem is titled "republican slams 'un-American' Agency sparking brawl" describing U.S. Representative Bill Johnson discussions with EPA acting chief Janet McCabe. As usual, Johnson did a good job of presenting views of southeast Ohioans who have been impacted by Obama's program of climate change and war on coal.

A third article presents information that the anticipated result of 1.6 degree reduction in global temperature will cost 1-2 trillion dollars per year to achieve over the next 30 years.

All of these articles are very informative and too long to reprint here, but you can obtain them by contacting Lindey Kleven, OOGA Communications Coordinator at 614-824-3901. Better yet, sign up as a member of OOGA. The benefits of membership far outweigh the cost.

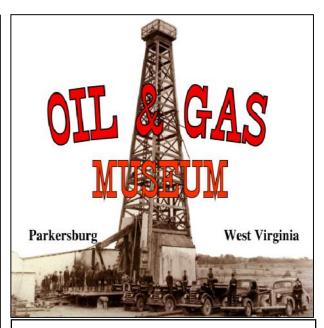


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Our industry has experienced its' share of highs and lows. Currently we are in the midst of unprecedented challenges. The issues at hand, whether regulatory, environmental or economic, are challenges aimed at the way we do business and impact our livelihood.

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 <u>will</u> 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.

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2016 SOOGA Spring Clay Shoot



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Intermediate Class - Bob Todd



Raffle Winner- Dan Mullins "Yeti Roadie" Donated by: Scott Mapes



Ladies Class - Bonnie Gill



"Top Shot" Winner- John Jack



(Continued to page 27)

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2016 SOOGA Spring Clay Shoot

















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A special thanks to BD Oil Gathering for sponsoring the lunch and to Gordie Deer, Tom Allen and Jason Allen for preparing a great meal.

Also thanks to Chuck Davis with Hilltop Sports and staff.

Hurdles to oil, gas exploration in forest

August 16, 2016 Marietta Times By: Hannah Kittle

The oil and gas industry is finding potential business within the Wayne National Forest but some are fighting against acceptance of the oil and gas leasing plan.

Nathan Johnson, an attorney with the Ohio Environmental Council, noted that the U.S. Forest Service has not been able to address serious concerns held by the conservation group and others about potential fracking.

"I think, ultimately - I wouldn't want to put words in the mouths of either agency - I will say that if they were wise about it, they would go through all of the scientific analyses of the potential environmental impacts," said Johnson. "I think they may well end up in a situation where they take more time to look at the reports, or we may end up in a situation where they are overly hasty if they make a decision here soon."

Johnson said he wants the forest to remain untouched by the oil and gas industry.

"I think that if they do ultimately go ahead, hopefully they will have at least gone through the full process and implemented some of the mitigation measures," he said. "I think many people don't want to see local lands torn up; I know a lot of people would like to see it protected as much as possible."

The Marietta Unit of the forest covers more than 63,000 acres in Washington, Noble and Monroe counties, and more than half that total is in Washington County.

According to the Columbus Dispatch, the oil and gas companies have expressed interest to the U.S. Bureau of Land Management in drilling about 31,900 acres of the forest by fracking.

The U. S. Bureau of Land Management has said they have found there would be "no significant impact" from the drilling and are still considering the plan to open up drilling in certain areas. Companies would have to apply for permits and be individually approved.

As of May 30, the public comment period officially ended after an allowed extension. A final environmental assessment is expected soon.

Issues brought to the table, according to Johnson, consist of the endangered Indiana bats and how they rely on the Wayne and could be drawn to wastewater ponds - he noted a potential Endangered Species Act Violation; the agencies' failure to quantify the plan's greenhouse gas emissions; how the plan would degrade streams and groundwater, fragment wildlife habitat and worsen climate change and how the plan failed to address groundwater and surface-

water contamination risks from wastewater disposal and other fracking operations.

However, some community members believe that the potential business brought to the area could be a good thing.

"I would be fine with it if the Frontier Local school district would get taxes out of it," said Dick Jackson, 60, of Fleming. "Wayne National Forest has ruined that school district."

Due to the forest occupying much of the district, there is less opportunity for business and other development, meaning less income for the school system.

Jackson noted that they should have to go through the correct processes to make sure that the environment isn't destroyed.

"They shouldn't be allowed to pollute the streams and stuff, but as far as checking for every little tree frog, that doesn't matter to me." he said.

Kyle Brooker, 24, of Waterford, noted that the potential job opportunities would make the leasing plan a favorable one.

"It all depends on what they drill and what they put in there," said Brooker. "If they put a well, nothing is going to be there, but if they actually put a cracker plant there, then there'll be jobs."

Others agree while also adding that it is certainly important to keep the environment safe as much as possible.

"I'm not for needlessly destroying the habitat, but if you hire responsible companies that go in there and you regulate them, then they should be able to go in and do what they do without destroying the environment," said Mike Adkins, 64, of Stockport. "If somebody has got some level of oversight, then I would be OK with it - I don't want them to destroy the forest because of the streams, hunting habitat and more."

Representatives from the Wayne National Forest were unable to provide a comment Monday.



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John Boyd John.Boyd@DXPE.Com Office: 740-376-9502 Cell: 412-477-1986

DXP is committed to bringing you the highest quality & most innovative pumping solutions available. Our team is available 24 hours a day to support you.





The Industrial Pump Specialists

Vortex High Solids Handling

Side Channel & Vane Solutions

MICROPUMP

Magnetic Drive Sealless

Built In Variable Speed

Circumferential Piston

Low Flow Metering

• Low NPSH_A Application Solutions

• Industrial Vertical Sump





- API 610 Upgrades to 11th Edition
- Made & Tested in the U.S.A.
- ANSI End Suction, Low Flow, Vertical Inline & Self Primer









A Unit of IDEX Corporation

- Sealless Magnetic Drive
- ETFE Lined Casings
- ANSI End Suction, Low Flow, Vertical Inline & Self Primer





Positive Displacement Gear Pumps

· Internal Gear, External Gear & Lobe

a xylem brand

Sealed and Magnetic Drive Solutions

- Fire Protection Pumps & Packages
- Vertical Turbine Pumps For Industry
- Single Stage Horizontal Split Case
- Multistage Horizontal Split Case
- Engine Driven Fire Pump Packages
- End Suction & Vertical Inline Pumps

 Stainless Steel Multistage Inline

Close Coupled

Single Cartridge

Double Cartridge

Gas Barrier Seals

Mixer & Agitator

High Temperature

General Submersible





- Mixers / Agitators
- Gearbox Repair
- **Kenics Static Mixing**
- High Shear Inline



- · High Viscosity Option



- · High Viscosity & Welded

wright flow TECHNOLOGIES POWER & INDUSTRIAL Low Shear Lobe Pumps

- Trash & Waste Water
- Chopper & Solids





· High Pressure Pitot



Self Priming Pumps

High Pressure Metering

MOYNO

Progressing Cavity Pumps

 Metering & Dosing Simplex, Duplex, Triplex







Magnetic Drive Gear Pumps

TEIKOKU USA INC CHEMPUMP

- Canned Motor Pumps
- Sealless Technology
- ANSI Dimensioned
- Pump Wear Detection



ROTATING EQUIPMENT REPAIRS

- · API, Piston & Gear Pumps
- Field Service
- Gearbox





Air Operated Double Diaphragm

DXP Enterprises, Inc.

Phone: (513) 489-5200

• Efficient Air Vantage System

SEALOL

ATEX Rated & Alloy Options

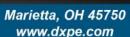




- Bolted or Threaded
- Low Pressure Drop



27835 OH-7 Fax: (513) 247-5330





Southeastern Ohio Oil & Gas Association 2016 Annual Fall Trade Show Thursday September 15th, 2016

Washington County Fairgrounds 922 Front Street Marietta, OH 45750

TRAINING SESSIONS

7:30am - Registration Open

8:00am - 8:30am

Auto Start Engines

Stevens Oil & Gas, LLC

8:30am - 9:00am

Compressor Maintenance

Chris Deem - Canaan Industries, LLC (15 Minute Break)

9:15am - 9:45am

Side by Side Training

Bill Carol-Henderson Wilds

9:45am-11:00am

"Property of Oilfield Safety" - XXL What is your safety size? Topics for individuals and Small operators

Charlie Dixon - OOGEEP Safety & Workforce Director

* Free Training Sessions for SOOGA Members *

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

TECHNICAL PRESENTATIONS

Opening Comments/SOOGA Updates

11:00am - 11:10pm

Matt Lupardus - SOOGA President

11:10am - 12:00pm

State and Federal Updates

OH Update - Shawn Bennett, OOGA

WV Update - Charlie Burd, IOGA

Lunch Served 12:00 pm-1:00pm

Catered by: C&S BBQ

Served by: Ohio Valley Desk & Derrick Club

12:40pm - 1:00pm

OH Legislative Update - State Representative Andy Thompson

1:00pm - 1:45pm

Gas Marketing 101
Dave Gaiser - IGS Energy

1:30pm - 2:30pm

Gas Marketing Panel: Optimize the Market

Jim Javins-Constellation Energy, Dave Gaiser-IGS Energy and David Marks-Dominion Field Services

> 2:30pm - 3:30pm Active Shooter Awareness

Washington County Sheriff's Office

Door Prize Drawings (Must be present to win)

Trade Show Registration

Member Booth Fee \$50.00		picked up at Registration Desk
Non-Member Booth Fee \$200.00 (Includes 4 mon	ths Membership)	
Indoor (space may be limited)Outdoor		
Electric		
Door Prize Donation	Company Name	Phone#
Booth setup 8:00am to 5:00pm Wednesday Sept 14th	Contact Person:	

If you are already pre-registered through our website, please do not duplicate unless you have changes.

SOOGA reserves the right to make changes to this program





Southeastern Ohio Oil and Gas Association 2016 Membership & Advertising Form

Date:

Name	Com		Title			
Address_		_City	State	Zip		
Phone—	F		Email			
	MEMBERSHIP C	CLASSIFICATION ((Please Check One)			
150 Annually	Producer Contractor Allied Industry Professional					
100 Annually	Associate (Additional employees of Company)					
75.00 Annually	00 Annually Royalty Owner /Non-Operating Investor					
50.00 Annually	Student					
Independent Pac	kage_ \$600.00 - Special Acknowledgement-	–Logo/ad at all associ	ation events & functions			
Producer Packag	- One free ticket to associatio	- One free ticket to association golf or clay shoot outing (OF YOUR CHOICE)				
	- Special Acknowledgement-	–Logo/ad at all associ	ation events & functions			
Welltender Packa	ge \$150.00					
	- Special Acknowledgement-	-Logo/ad at all associ	ation events & functions			

For additional advertising options visit: www.sooga.org

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