**Welcome Reception**
September 11, 2013
6:00 - 9:00 pm
The Galley
203 Second St. Marietta, OH 45750

Please RSVP by September 9th, to Eric at eric.kemmerer@worthingtonindustries.com
or John at jlodge@tripointinc.com

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Norris, Edgen Murray, NSC – Tripoint,
Ergon, SOOGA and Northrup Equipment

For additional information visit www.sooga.org
As we move toward the end of the summer, storage is 76% full, the gas market has re-acted both positively and negatively as economic reports, storage balances, supply and demand factors weigh in on a daily basis. With the August DTI Index posting at $2.95 and TCO index posting at $3.44, we are seeing September trading in the $3.32 to $3.49 range at the time of this article, August 22, 2013. This market is still somewhat volatile, waiting on weather reports and positive economic news that may impact pricing.

Your association’s Legacy Fund with the Marietta Community Foundation 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 works to this industry. To date we have received a total of $857.00 for the Legacy Fund. Please consider pledging a tax deductible gift to this important new fund. SOOGA will match your gift up to a total of $10,000 for the year of 2013.

The SOOGA Annual Trade Show is coming up in September 12, 2013, and you should have received your Flyer about this event via email or mail. We have a great slate of training sessions as well as technical presentations on safety, security enforcement, Utica shale strategies, and ODNR and midstream updates. We will be holding the trade show at a new venue this year at the Reno Business Park (the old Kardex building) on State Route 7. We encourage all of our members to attend, and call the SOOGA office if you have any questions or comments. If you are interested in a trade show booth or outside exhibit, please contact Billie at the SOOGA office, as we are currently accepting vendors.

Our membership is growing as the Utica Shale brings more producer and support companies to Ohio and our Southeastern Ohio area. We are currently at 438 members and growing. The Board and the Association appreciates the participation of all of our members in our activities, and look forward to your participation in our Open Forum meetings, membership meetings, clay shoots, trade show, and golf outings throughout 2013.

There have been a couple of Utica Wells drilled in Washington County, and we are awaiting the results from those to see if the play will continue to move further south toward Marietta. We will have those results in the Gas Committee report as they become available.

There has been talk that protestors are planning some events in the Utica Shale areas in September, so please be on the lookout for anything different in your producing areas that may indicate their activity. Call the SOOGA office if you need assistance with any of these protestor events.

Continue to operate safely and protect our environment as you produce the oil and gas that our nation needs.

President, Jim Javins
# 2013 NEW MEMBERS

SOOGA would like to welcome the following new members:

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Company</th>
<th>Address</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BLAKE ROUSH</strong></td>
<td>Producer</td>
<td>PDC Energy</td>
<td>2167C St. Rt. 821, Marietta, OH 45750</td>
<td>740-336-7831</td>
</tr>
<tr>
<td><strong>HOWARD OFFENBERGER</strong></td>
<td>Contractor</td>
<td>Wolf Creek Contractors</td>
<td>405 Watertown Rd., Waterford, OH 45786</td>
<td>740-749-5818</td>
</tr>
<tr>
<td><strong>CELESTA MIRACLE</strong></td>
<td>Associate-Producer</td>
<td>PDC Energy</td>
<td>1775 Sherman St. Ste. 3000, Denver, CO 80203</td>
<td>303-831-3928</td>
</tr>
<tr>
<td><strong>ALVIN ENGELKE</strong></td>
<td>Producer</td>
<td>Creston Well Service, Inc.</td>
<td>444 Richardsonville Rd, Creston, WV 26141</td>
<td>304-275-3578</td>
</tr>
<tr>
<td><strong>CATLIN BALL</strong></td>
<td>Associate-Producer</td>
<td>PDC Energy</td>
<td>2167C St. Rt. 821, Marietta, OH 45750</td>
<td>740-336-7831</td>
</tr>
<tr>
<td><strong>BRAD HUNT</strong></td>
<td>Professional</td>
<td>RiskControl360</td>
<td>6000 Lombardo Center, Ste. 515, Seven Hills, OH 44131</td>
<td>330-301-3262</td>
</tr>
<tr>
<td><strong>NATHAN ANDERSON</strong></td>
<td>Associate-Producer</td>
<td>PDC Energy</td>
<td>1775 Sherman St. Ste. 3000, Denver, CO 80203</td>
<td>303-831-3928</td>
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<tr>
<td><strong>BRYON HODGES</strong></td>
<td>Allied Industry</td>
<td>Lightning Master Corporation</td>
<td>1770 Calumet Street, Clearwater, FL 33765</td>
<td>800-749-6800</td>
</tr>
<tr>
<td><strong>RANDALL FERGUSON</strong></td>
<td>Associate-Producer</td>
<td>Argo International</td>
<td>208 Jenison St., Beverly, OH 45715</td>
<td>800-231-6305</td>
</tr>
<tr>
<td><strong>PAUL WHISENAND</strong></td>
<td>Associate-Producer</td>
<td>PDC Energy</td>
<td>1775 Sherman St. Ste. 3000, Denver, CO 80203</td>
<td>303-831-3928</td>
</tr>
<tr>
<td><strong>AARON NESSERROAD</strong></td>
<td>Allied Industry</td>
<td>Victaulic</td>
<td>32158 Riverdale, Harrison Twp, MI 48045</td>
<td>586-292-8195</td>
</tr>
<tr>
<td><strong>FRANK SMENDEZIUK</strong></td>
<td>Associate-Producer</td>
<td>Artex Oil Company</td>
<td>2163A State Route 821, Marietta, OH 45750</td>
<td>740-373-3313</td>
</tr>
<tr>
<td><strong>JOE SNIDER</strong></td>
<td>Professional</td>
<td>Byrd Land &amp; Consulting Services</td>
<td>867 N. Village Drive, Newark, OH 43055</td>
<td>740-755-9961</td>
</tr>
<tr>
<td><strong>CASEY FRITZ</strong></td>
<td>Associate-Producer</td>
<td>Artex Oil Company</td>
<td>2163A State Route 821, Marietta, OH 45750</td>
<td>740-373-3313</td>
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<tr>
<td><strong>BRAD BYRD</strong></td>
<td>Professional</td>
<td>Dart Oil &amp; Gas Corporation</td>
<td>600 Dart Rd., Mason, MI 48854</td>
<td>517-676-2900</td>
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<tr>
<td><strong>RICHARD E. HINKLEY</strong></td>
<td>Producer</td>
<td>Dart Oil &amp; Gas Corporation</td>
<td>600 Dart Rd., Mason, MI 48854</td>
<td>517-676-2900</td>
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<tr>
<td><strong>DAVE FARNER</strong></td>
<td>Producer</td>
<td>Buckeye B.O.P. LLC</td>
<td>P.O. Box 96, Rittman, OH 44270</td>
<td>330-264-5600</td>
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<tr>
<td><strong>KEVIN RIZO</strong></td>
<td>Allied Industry</td>
<td>Buckeye B.O.P. LLC</td>
<td>P.O. Box 96, Rittman, OH 44270</td>
<td>330-264-5600</td>
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<tr>
<td><strong>LAURA YODER</strong></td>
<td>Allied Industry</td>
<td>Buckeye B.O.P. LLC</td>
<td>P.O. Box 96, Rittman, OH 44270</td>
<td>330-264-5600</td>
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</table>
Southeastern Ohio Oil and Gas Association  
Gas Committee Report  
August, 2013

PRICING

Prices August 12, 2013

One Year NYMEX strip (September, 2012 – August, 2013)       $3.63
Summer NYMEX strip for 2013 (Sept.-October)                   $3.29
Winter NYMEX strip (Nov. 2013 – March, 2014)                  $3.62
TCO Index Posting - August, 2013                              $3.44
DTI Index Posting – August, 2013                              $2.95

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 8, 2013 Report

Working Gas in storage was 2,941 Bcf as of Friday, August 2, 2013. At 2,941, total working

<table>
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<th>Region</th>
<th>08/02/13</th>
<th>07/26/13</th>
<th>change</th>
<th>Year ago (06/21/12)</th>
<th>% change</th>
<th>5-Year average (2008-2012)</th>
<th>% change</th>
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<td>East</td>
<td>1,408</td>
<td>1,350</td>
<td>58</td>
<td>1,631</td>
<td>-13.7</td>
<td>1,513</td>
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<tr>
<td>West</td>
<td>484</td>
<td>461</td>
<td>23</td>
<td>498</td>
<td>-2.8</td>
<td>435</td>
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<td>Producing</td>
<td>1,049</td>
<td>1,034</td>
<td>15</td>
<td>1,109</td>
<td>-5.4</td>
<td>973</td>
<td>7.8</td>
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<tr>
<td>Salt</td>
<td>265</td>
<td>267</td>
<td>-2</td>
<td>227</td>
<td>16.7</td>
<td>162</td>
<td>63.6</td>
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<tr>
<td>Nonsalt</td>
<td>784</td>
<td>768</td>
<td>16</td>
<td>881</td>
<td>-11.0</td>
<td>812</td>
<td>-3.4</td>
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<tr>
<td>Total</td>
<td>2,941</td>
<td>2,845</td>
<td>96</td>
<td>3,238</td>
<td>-9.2</td>
<td>2,921</td>
<td>-0.7</td>
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</tbody>
</table>

Storage is 74.7% full compared to normal as of this report, with normal total capacity of 3,939 at the start of the withdrawal season.

GATHERCO

Retainage for April, 2013, is as follows for the Gatherco systems. Treat was 3.0%, Miley was 3.0%, Meigs was 6.86%, York was 3.0%, Grimes was 6.7%, and Elk was 3.0%.
June, 2013 retainage was not available as of the date of this report.

(continued to page 10)
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Phone (330) 464-1510
WHEELING - Following several months of contention, back-and-forward bantering and public protests, Wheeling planning commissioners voted 4-1 Monday to allow GreenHunter Water to build its natural gas frack water recycling plant at North 28th Street in Warwood.

Following the commission’s vote, GreenHunter vice president of business development and operations John Jack said the company could be moving frack water in and out of the Warwood site as early as October. He said the company has been ready to proceed for several months.

The planning commission’s vote to approve GreenHunter’s site plan angered members of the “Wheeling Water Warriors” and Wheeling City Councilwoman Gloria Delbrugge. They believe the plant will create health hazards because of potential radioactivity.

The 4-1 vote saw planning commissioners Barry Crow, Thomas McCulloch, Don Atkinson and Russell Jebbia vote to approve the plant, while Commissioner John Clarke voted against it. Commissioner Michael Leo recused himself from voting, citing a conflict of interest.

Commissioner James Mauck - serving in the role of chairman due to the absence of regular Chairman Howard Monroe - did not vote, as the chairman normally only votes to break a tie.

The matter now moves on to Wheeling City Council for acceptance.

During both the June and July meetings, commissioners declined to consider GreenHunter’s application because they required additional information from the company.

That included documentation from the West Virginia Department of Environmental Protection and the West Virginia Department of Transportation showing that GreenHunter’s project meets their guidelines. The commission also asked for documentation from the U.S. Environmental Protection Agency and/or the Nuclear Regulatory Commission showing that the plant will not emit excessive amounts of radiation.

Commissioners also required the company to remove the labels “Phase 2” and barging from the project’s site plan. These labels refer to GreenHunter’s plan to eventually transport frack- ing waste by barge.

Several federal agencies, including the Coast Guard and the Environmental Protection Agency are reviewing whether fracking waste can be shipped on inland waterways by barge.

Once Tom Connelly, assistant director of the Wheeling Economic and Community Development Department, showed commissioners that GreenHunter had met each of these requirements, commissioners proceeded to vote.

Following the vote, Delbrugge, who lives in and represents Warwood, expressed her displeasure, saying simply, “I am upset. I don’t like it.”

Wheeling Water Warriors Erin Bowers and Robin Mahonen emphasized Wheeling’s city ordinance that forbids industries from emitting excessive radioactivity.

“If they allow a plant that allows radioactivity, they are going against their own laws,” Mahonen said.

Even though radium, uranium and radon are considered radioactive, Jack has said these elements will be minuscule in volume at the Warwood plant. He also said the company’s workers will wear radiation detectors while on the job.

Although commissioners did not approve anything dealing with “Phase 2” or “barging,” Jack said after the meeting he believes he will bring this before the city in “the very near future,” though he could not be more specific.

“Phase 2” represents GreenHunter’s desire to transport its fracking waste by barge, while utilizing a pipeline to transfer the waste from the company’s main Warwood structure to the barging area.

“Putting this product on inland waterways is safer, and cheaper, than shipping it by truck,” Jack said.

He hopes to hire 12-20 people to work at the site.
2013 SOOGA Events

SOOGA Membership
Open Forum
August 28th, 2013

SOOGA Trade Show
September 12th, 2013

SOOGA Fall Clay Shoot
October 18th, 2013
Hilltop Sports, Whipple OH

SOOGA Fall Gun Raffle
November 1st - November 30th

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(continued from page 4)

UTICA NEWS:
Utica Shale holds massive resources, estimate shows. Columbus Business Journal. The U.S. Geological Survey released its first estimate, showing the shale formation holds about 38 trillion cubic feet of undiscovered, recoverable natural gas, 940 million barrels of oil and 9 million barrels of natural gas liquids such as ethane and propane. Ohio is ranked 14th in this year’s Global Petroleum Survey of 147 states and countries by the Fraser Institute, a free-market think tank in Calgary, Canada. That’s down from second in 2011, with the fall apparently driven by concerns about complying with tougher federal and state environmental regulations and a tax increase on oil and gas production proposed by Gov. John Kasich.

NEW PIPELINES PROPOSED TO SPUR UTICA SHALE DRILLING IN OHIO
Two pipeline companies from the Southwest, Williams Companies Inc. and Boardwalk Pipeline Partners LP, have formed a joint venture to build a transportation system to move natural gas liquids from shale plays in Ohio, West Virginia, and Pennsylvania to processing and storage facilities in Louisiana.

The Blueline Pipeline would allow oil and natural gas producers to move 200,000 barrels/day of natural gas liquids, such as ethane, to processing facilities on the Gulf Coast. The pipeline will be built from the Ohio and West Virginia Utica and Marcellus plays to a transmission system in Hardinsburg, KY. From there, the natural gas liquids would be transported via a converted portion of a pipeline to Eunice, LA.

The companies expect to approve the project later this year and put the pipeline into service in the second half of 2015. Cost of the project is still to be determined.

Spectra Energy, along with two other companies, are proposing a new 250 mile 36” pipeline, Nexus Gas Transmission, for transporting gas from shale drilling in eastern Ohio to Detroit and southern Ontario, subject to FERC approval. The anticipated cost of this new pipeline is $1.5 billion, and could be in service as early as November, 2016. The proposed pipeline will run from Carroll County, Ohio, to Detroit and southern Ontario.

MIDSTREAM/PROCESSING NEWS:
Markwest has been processing 60 Mmcf/d since August 2012 from its gas processing facilities in Cadiz. They have now completed their Cadiz 1 facility and commence operations of their 125 Mmcf/d cryogenic processing plant. With the completion of Cadiz 1, MarkWest will now be able to process more of the liquids rich gas coming from customers like Gulfport, Antero, PDC and Rex Energy.

Further South in Noble County, MarkWest is at work building an additional complex: the Seneca Complex. The Seneca I and Seneca II gas processing plants will be capable of processing 200 Mmcf/d each, and is on pace to begin operations of the Seneca I early in the fourth quarter of this year. The Seneca II is also scheduled to be installed later this year.

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 28th 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 new Scio.

The second phase is under construction and scheduled to be completed in December, 2013 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.

For more information, click on this link; http://energyindepth.org/ohio/new-natural-gas-plant-up-and-running-in-eastern-ohio/
Reams and reams of paper have been used in efforts to convey to all concerned the full responsibility of those at the supervisory level for the prevention of accidents in construction. Included in supervisory responsibility, and with high priority, is the training of the new employee for the work he or she is to perform.

All too often new employees are hired, given their assignment, and are then expected to perform efficiently and safely without adequate job instruction. Even new employees with previous experience often need retraining and reorientation if job efficiency is to be maintained, for all skills and work habits the worker must process must be taught to him or her. Training begins when the employee is hired if our efforts are to be most effective.

Who, then, should be responsible for training the new employee? We believe, and it is generally agreed, the logical person to impart the required knowledge and technique required for the job is the safety supervisor or the worker’s immediate supervisor. They are in the best position to give actual on-the-job instruction and, in addition, they are personas to whom the employee will be directly responsible. This accomplishes two things. It makes for the job efficiency and it manifests interest in the employee’s welfare.

What should we teach and what procedures should the supervisor follow? Quite logically, the supervisor’s task is to instruct the worker on the job to be done so he or she can produce it in as short a time as possible. Yet, safety precautions should be taught by the safety supervisor prior to beginning the job. Specific job hazards should be pointed out in connection with each phase of the job, and instruction should be given on specific safe work practices that will help him avoid these hazards. Poor instruction or none at all results in injuries and production inefficiencies due to the supervisors not organizing all the important parts of the job clearly before actually giving instruction.

Many organizations have found from experience that effective job training is a must if an efficient operation is to be maintained. Proper job training means efficiency with safety. Efficiency and safety get the desired results—quality and production.
### GAS PRICING

**JULY 2013**
- NYMEX Settlement: $3.7070
- Inside FERC/DTI: $3.4300 (Basis: $-0.277)
- Inside FERC/TCO: $3.6700 (Basis: $0.037)
- NYMEX 3-day Average: $3.6977

**AUGUST 2013**
- NYMEX Settlement: $3.4590
- Inside FERC/DTI: $2.9500 (Basis: $-0.559)
- Inside FERC/TCO: $3.4400 (Basis: $0.019)
- NYMEX 3-day Average: $3.5527

### OIL PRICING 2013

**ERGON OIL PURCHASING WEST VIRGINIA MONTHLY AVERAGE**

- June Ohio Tier 1: $97.56
- June Ohio Tier 2: $94.56
- June Ohio Tier 3: $91.56
- June West Virginia Tier 1: $96.06
- June West Virginia Tier 2: $93.06
- June West Virginia Tier 3: $90.06
- June Marcellus/Utica Condensate: $79.80
- June Marcellus/Utica Medium: $97.56
- June Marcellus/Utica Light: $90.73

- July Ohio Tier 1: $105.53
- July Ohio Tier 2: $102.53
- July Ohio Tier 3: $99.53
- July West Virginia Tier 1: $104.03
- July West Virginia Tier 2: $101.03
- July West Virginia Tier 3: $98.03
- July Marcellus/Utica Condensate: $86.01
- July Marcellus/Utica Medium: $105.53
- July Marcellus/Utica Light: $98.14

**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

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 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.

### OIL PRICING 2013

**AMERICAN REFINING GROUP AVERAGE**

- 6/21 to 6/28 Group 1 OH: $96.60
- Group 2 OH: $93.60
- Group 3 OH: $90.60

- 7/1 to 7/10 Group 1 OH: $103.29
- Group 2 OH: $100.29
- Group 3 OH: $97.29

- 7/11 to 7/20 Group 1 OH: $107.07
- Group 2 OH: $104.07
- Group 3 OH: $101.07

- 7/21 to 7/31 Group 1 OH: $105.94
- Group 2 OH: $102.94
- Group 3 OH: $99.94

- 8/1 to 8/10 Group 1 OH: $106.53
- Group 2 OH: $103.53
- Group 3 OH: $100.53

- 8/11 to 8/20 Group 1 OH: $107.25
- Group 2 OH: $104.25
- Group 3 OH: $101.25

**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

---

You can now find EOP WVA Crude oil Price Bulletin on the internet at: [www.ergon.com](http://www.ergon.com)
Obituaries

Phillip H. Brown

July 9, 2013

Phillip H. Brown, Jr., 82, of Lowell passed away peacefully on Tuesday, July 9, 2013, at Selby General Hospital. He was born March 4, 1931, in Parkersburg, WV a son of Phillip H. Brown Sr. and Leona Graham Brown. He was raised in Bloomfield.

He owned and operated Phillip Brown Oil & Gas Well Service until his retirement in 2002. He was an avid gun collector and sportsman and a talented wood craftsman. He was a member of the Little Muskingum Valley Baptist Church and several organizations, including Marietta Shrine Club, Scottish Rite of Marietta (life member), Scottish Rite of Cambridge (life member), Aladdin Temple of Columbus, OH, Masonic Lodge #429 in Lebanon, OH, Eastern Star for 50 years, York Rite of Association Friendship, OH, South-eastern Ohio Oil & Gas Association.

On October 22, 1949, he married Pauline Gardner who survives with his 2 beloved dogs, Tootsie and Ginger; 2 daughters and 1 son: Bonnie (John) Heslop of Marietta, Judy (Roy) Bowersock of Bloomfield, Rusty (Crystal) Brown of Lowell, 9 grandchildren and 13 great grandchildren.

He was preceded in death by 2 brothers, John and Don and 5 sisters: Dora, Hope, Braunda, Mary and Betty.

Memorial contributions are requested to Little Muskingum Valley Baptist Church, c/o Birdie Kroll, 10280 St. Rt. 260, New Matamoras, OH 45767, or L-A Volunteer Fire Department, Lowell, OH 45744.

The family would like to thank the nurses from Marietta Home Health and Hospice for their wonderful care.

Phil Brown was a founding member and past president of SOOGA and will be greatly missed.
(continued from page 10)

Utica Facts and Numbers – Calendar Year 2012:

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<td>12,836,662</td>
<td>688,458</td>
<td>7,979</td>
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As of August 3, 2013, there have been 831 Utica Shale permits issued in 22 counties in Ohio to 27 companies, and 466 of them have been developed. The counties are listed below:

There are currently 122 Utica Shale wells in production, without a single environmental violation to date.

Use of Data:

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<td>Aqua—Clear Inc</td>
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<td>GreenHunter Water, LLC</td>
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