

**Southeastern Ohio Oil and Gas Association
Gas Committee Report
December, 2013**

PRICING

Prices December 9, 2013

One Year NYMEX strip (January, 2014 – December, 2014)	\$4.21
Summer NYMEX strip for 2014 (April-October)	\$4.16
Winter NYMEX strip (Jan. 2014 – March, 2014)	\$4.24
TCO Index Posting - December, 2013	\$3.75
DTI Index Posting – December, 2013	\$3.31

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 December 5, 2013 Report

Working Gas in storage was 3,614 Bcf as of Friday, December 5, 2013. At 3,614, total working gas is **within** the 5 year historical range.

Region	Stocks billion cubic feet (Bcf)			Year ago (11/29/12)		5-Year average (2008-2012)	
	11/29/13	11/22/13	change	(Bcf)	% change	(Bcf)	% change
East	1,861	1,939	-78	1,994	-6.7	2,019	-7.8
West	530	546	-16	545	-2.8	508	4.3
Producing	1,223	1,291	-68	1,275	-4.1	1,191	2.7
Salt	303	331	-28	316	-4.1	227	33.5
Nonsalt	920	960	-40	959	-4.1	963	-4.5
Total	3,614	3,776	-162	3,926	-5.2	3,718	-2.8

Storage is 84.7% full compared to normal as of this report, with normal total capacity of 4,265 at the start of the withdrawal season.

GATHERCO

Retainage for September, 2013, is as follows for the Gatherco systems. Treat was 6.0%, Miley was 6.0%, Meigs was 9.36%, York was 6.0%, Grimes was 9.54%, and Elk was 3.0%. October, 2013 retainage was not available as of the date of this report.

WEST VIRGINIA NEWS:

West Virginia appears to be close to landing a coveted ethane cracker plant to serve the Utica and Marcellus shale plays -- the sort of billion-dollar project coveted by Ohio economic development officials for some time.

West Virginia Gov. Earl Ray Tomblin and officials from Brazilian company Odebrecht stood shoulder to shoulder at a press conference recently, saying the company is looking at developing a cracker near Parkersburg across the Ohio River from Marietta.

The plant, which would separate ethane from natural gas, would be part of a petrochemical complex that would include three polyethylene plants and facilities for water treatment and energy cogeneration.

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.

DOMINION EAST OHIO:

Blue Racer Midstream has negotiated a new agreement for liquids uplift for producers on the DEO Guernsey/Cambridge gathering system for conventional production. The new agreement will be an amendment to the original HCA agreement. I will have more details sent out via email in the next couple of weeks.

MIDSTREAM/PROCESSING NEWS:

Blue Racer Midstream's gas processing plant was hit by an explosion on September 21, 2012, and there is no news yet when it might reopen. The cause of the explosion has not been determined, and the investigation is continuing. A damage estimate has not yet been compiled for this incident.

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.

Markwest has been processing 60 Mmcfd since August of 2012 from its gas processing facilities in Cadiz. They have now completed their Cadiz 1 facility and commence operations of their 125 Mmcfd 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 Mmcfd 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 near 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.

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. I 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

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

Utica Facts and Numbers – Calendar Year 2012:

<u>Owner Name</u>	<u>Oil (BBLs)</u>	<u>GAS (MCF)</u>	<u>BRINE (BBLs)</u>	<u>Days</u>	<u>Wells</u>
ANADARKO E & P ONSHORE LLC	118,726	443,297	107,313	1,335	7
ANTERO RES APPALACHIAN CORP	21,522	37,693	4,499	27	3
CHESAPEAKE EXPLORATION LLC	372,212	10,092,701	401,816	4,811	53
CNX GAS COMPANY LLC	10,015	9,986	1,284	50	1
DEVON ENERGY PRODUCTION	2,149	0	69,792	294	5
ENERVEST OPERATING LLC	32,546	160,209	23,010	304	3
GULFPORT ENERGY CORP	63,167	767,129	46,912	185	8
HESS OHIO RESOURCES LLC	560	922,979	2,285	296	2
HG ENERGY LLC	0	232,847	4,334	247	1
PDC ENERGY INC	2,120	10,608	8,427	311	3
REX ENERGY	<u>12,879</u>	<u>159,213</u>	<u>18,786</u>	<u>119</u>	<u>1</u>
TOTALS	635,896	12,836,662	688,458	7,979	87

AS of November 16, 2013, there have been 988 Utica Shale permits issued in 23 counties in Ohio to 29 companies, and 606 of them have been developed. The counties are listed below.

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

There are currently 184 Utica Shale wells in production, without a single environmental violation to date.

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