

2012 OHIO OIL AND GAS SUMMARY

DIVISION OF OIL AND GAS RESOURCES MANAGEMENT

2012 was an exciting and busy year for the Ohio Department of Natural Resources (ODNR) Division of Oil and Gas Resources Management. The division is responsible for regulating Ohio's growing oil and natural gas industry for the protection of all Ohioans and our environment while ensuring the state's abundant natural resources are managed properly. All of us work to achieve this goal every day and we will continue to do so in 2013 and beyond.

The past year saw the implementation or adoption of several changes to Ohio law and rules that make our regulatory standards some of the most comprehensive in the country. Our regulations are written to protect Ohioans and our environment, but also to make sense to the companies we regulate. In 2012, ODNR enhanced well construction guidelines; saw the implementation of updates designed to deal with horizontal shale drilling; enacted new rules regarding underground injection control; and increased our staff to better regulate the state's growing oil and gas industry.

New well construction rules took effect Aug. 1, 2012. The division understands the importance of proper well construction, which is why these new rules were a priority. Ohio's standards now address state-specific geology, hydrology, surface conditions and drilling practices with solutions that have been praised by regulatory experts with extensive experience in Ohio.

Senate Bill 315 took effect on Sept. 11, 2012, providing ODNR the necessary regulations to oversee the increased activity in horizontal shale drilling. Ohio now has clear and consistent regulations dealing with chemical disclosure, brine hauling, water sampling and water use disclosure. These updates and others made in SB 315, all work to protect public health and safety while providing the industry with necessary regulations to safely develop the oil and natural gas resources.

New operating, monitoring and reporting rules for injection wells were implemented on Oct. 1, 2012. These new rules were created to further strengthen the state's Underground Injection Control monitoring program by requiring additional geologic evaluation, injection well monitoring and testing. These standards and a new seismic monitoring program will allow the division to better monitor and research seismicity across Ohio.

At the end of 2012, the Division of Oil and Gas Resources Management had 72 employees, an increase from just 54 a year before. We understand, and this document will prove, the responsible growth happening in the oil and gas industry in our state and we believe it's only appropriate to grow our staff to properly regulate that growth. We continue to hire the right people with the right training and will provide them with the equipment needed to provide Ohioans the peace of mind they deserve.

Thank you for your interest in the ODNR Division of Oil and Gas Resources Management.

Richard J. Simmers Chief, Division of Oil and Gas Resources Management

TABLE OF CONTENTS

OIL & GAS INDUSTRY ACTIVITIES Permitting Bonding/Ownership Drilling Completions Formation Highlights Wells Completed by Month and Owner Wells Completed by Type of Tool Plug-back and Deepen Operations 3. Ten Most Active Counties Directional and Horizontal Drilling Permits Exploratory Wells County Drilling Depth Records County Drilling Depth Records County Drilling Depth Records Production Market Value Plugging Activity FIGURES FIGURES (1) Oil & Gas Permits Issued 2010 – 2012 (2) Wells Drilled & Permits Issued 2003 – 2012 (3) Wells Drilled & Permits Issued 2003 – 2012 (4) Wells Completed by Month 2011 v. 2012 (5) Number of Wells by Owner – 2012 (5) Number of Wells by Owner – 2012 (6) Development v. Exploratory Wells – 2012	Introduction		page 1
Bonding/Ownership	OIL & GAS IN	IDUSTRY ACTIVITIES	
Drilling	Perm	itting	2
Completions	Bond	ing/Ownership	2
Formation Highlights	Drilli	ng	3
Wells Completed by Month and Owner	Comp	pletions	4
Wells Completed by Type of Tool. Plug-back and Deepen Operations	Form	ation Highlights	4
Plug-back and Deepen Operations	Wells	Completed by Month and Owner	7
Ten Most Active Counties	Wells	Completed by Type of Tool	7
Directional and Horizontal Drilling Permits S.	Plug-	back and Deepen Operations	8
Exploratory Wells	Ten N	Most Active Counties	8
County Drilling Depth Records	Direc	tional and Horizontal Drilling Permits	8
Production 16 Market Value 11 Plugging Activity 12 FIGURES (1) Oil & Gas Permits Issued 2010 – 2012 2 (2) Wells Drilled v. Permits Issued 2003 – 2012 3 (3) Wells Drilled and Completions Received by County – 2012 3 (4) Wells Completed by Month 2011 v. 2012 3 (5) Number of Wells by Owner – 2012 3 (6) Development v. Exploratory Wells – 2012 3 (7) Oil & Gas Production 2003 – 2012 10 (8) Dollar Value of Oil and Gas 2003 – 2012 10 (8) Dollar Value of Oil and Gas 2003 – 2012 12 (10) Wells Plugged by County – 2012 12 TABLES (1) Drilling Operations by Type of Well – 2012 2 (II) Oil and Gas Completion Statistics by County – 2012 2 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 2	Explo	oratory Wells	Ç
Market Value 11 Plugging Activity. 12 FIGURES (1) Oil & Gas Permits Issued 2010 – 2012 2 (2) Wells Drilled v. Permits Issued 2003 – 2012 3 (3) Wells Drilled and Completions Received by County – 2012 3 (4) Wells Completed by Month 2011 v. 2012 5 (5) Number of Wells by Owner – 2012 5 (6) Development v. Exploratory Wells – 2012 5 (7) Oil & Gas Production 2003 – 2012 10 (8) Dollar Value of Oil and Gas 2003 – 2012 11 (9) Wells Plugged v. Wells Drilled 2003 – 2012 12 (10) Wells Plugged by County – 2012 12 TABLES (I) Drilling Operations by Type of Well – 2012 2 (II) Oil and Gas Completion Statistics by County – 2012 5 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 6	Coun	ty Drilling Depth Records	
Plugging Activity	Produ	action	10
FIGURES (1) Oil & Gas Permits Issued 2010 – 2012	Mark	et Value	11
(1) Oil & Gas Permits Issued 2010 – 2012 2 (2) Wells Drilled v. Permits Issued 2003 – 2012 3 (3) Wells Drilled and Completions Received by County – 2012 2 (4) Wells Completed by Month 2011 v. 2012 5 (5) Number of Wells by Owner – 2012 7 (6) Development v. Exploratory Wells – 2012 9 (7) Oil & Gas Production 2003 – 2012 10 (8) Dollar Value of Oil and Gas 2003 – 2012 11 (9) Wells Plugged v. Wells Drilled 2003 – 2012 12 (10) Wells Plugged by County – 2012 12 TABLES (I) Drilling Operations by Type of Well – 2012 (II) Oil and Gas Completion Statistics by County – 2012 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 (III) OII A Statistics by Producing Zone – 2012 (III) OII A Statistics by Producing Zone – 2012 (III) OII A Statistics by Producing Zone – 2012 (Plugg	ing Activity	12
(2) Wells Drilled v. Permits Issued 2003 – 2012	FIGURES		
(3) Wells Drilled and Completions Received by County – 2012	(1)	Oil & Gas Permits Issued 2010 – 2012	2
(4) Wells Completed by Month 2011 v. 2012	(2)	Wells Drilled v. Permits Issued 2003 – 2012	3
(5) Number of Wells by Owner – 2012	(3)	Wells Drilled and Completions Received by County – 2012	3
(6) Development v. Exploratory Wells – 2012	(4)	Wells Completed by Month 2011 v. 2012	7
(7) Oil & Gas Production 2003 – 2012 10 (8) Dollar Value of Oil and Gas 2003 – 2012 11 (9) Wells Plugged v. Wells Drilled 2003 – 2012 12 (10) Wells Plugged by County – 2012 12 TABLES (I) Drilling Operations by Type of Well – 2012 2012 (II) Oil and Gas Completion Statistics by County – 2012 5 (III) Oil and Gas Completion Statistics by Producing Zone – 2012 6	(5)	Number of Wells by Owner – 2012	7
(8) Dollar Value of Oil and Gas 2003 – 2012	(6)	Development v. Exploratory Wells – 2012	
(9) Wells Plugged v. Wells Drilled 2003 – 2012	(7)	Oil & Gas Production 2003 – 2012	10
(10) Wells Plugged by County – 2012	(8)	Dollar Value of Oil and Gas 2003 – 2012	11
TABLES (I) Drilling Operations by Type of Well – 2012	(9)	Wells Plugged v. Wells Drilled 2003 – 2012	12
(I) Drilling Operations by Type of Well – 2012	(10)	Wells Plugged by County – 2012	12
(II) Oil and Gas Completion Statistics by County – 2012	TABLES		
(II) Oil and Gas Completion Statistics by County – 2012	(I)	Drilling Operations by Type of Well – 2012	
(III) Oil and Gas Completion Statistics by Producing Zone – 2012		0 1 11	
· · · · · · · · · · · · · · · · · · ·			
	(IV)	- · · · · · · · · · · · · · · · · · · ·	
(V) Crude Oil and Natural Gas Production, Reserves and Consumption 2003 - 2012			
(VI) Average Wellhead Price of Oil and Gas 2003 - 2012		•	
APPENDICES	APPENDICES	3	
(I) Wells Drilled in Ohio 1888 - 2012	(1)	Wells Drilled in Ohio 1888 - 2012	13
(II) 2012 Utica-Point Pleasant Production			
(III) County Drilling Depth Records			

INTRODUCTION

This forty-eighth edition of the Ohio Oil & Gas Summary (The McCormac Report) remains dedicated to accurately presenting statistics that may reflect trends important to Ohio's oil and gas industry, citizens and other governmental agencies. This report includes data submitted through June 12, 2013.

You may also note that some 2011 statistics have been adjusted to include well completion reports received after last year's cut-off date. The 2011 report estimated 460 wells were drilled; the total number has been revised to 470.

Horizontal shale activity increased significantly in 2012 and its impact on permitting, drilling and production is reflected throughout the report.

Highlights include:

- 5,836 registered well owners, including 4,368 domestic owners operating 64,570 wells.
- Issued 1,825 permits, including 903 drilling permits.
- Issued 92 urbanized area permits in 15 counties.
- Drilled an estimated 553 oil and gas wells in 44 of Ohio's 88 counties.
- 198 wells were drilled to the Utica/Point Pleasant Shale formations accounting for 36% of all wells drilled.
- Carroll County was the most active with 87 wells drilled.
- Horizontal well drilled to a record-setting length of 16,664 feet in Jefferson County.
- 473 wells were plugged, including 50 contracted by the Orphan Well Program.
- Produced 4,974,359 barrels of crude oil, at an average price of \$92.05 per barrel.
- Produced more than 86 billion cubic feet of natural gas, at an average price of \$2.86 per mcf.
- The combined market value of crude oil and natural gas production was \$706,052,337.

To make oil and gas well data more accessible, the division:

- Distributed 220 copies of RBDMS, its oil and gas well database.
- Released the Oil and Gas Well Locator on our website which now combines the ability to search for a well and access its data in one location.

As a personal note, I retired on December 31, 2012 after working more than 32 years for the Division of Oil & Gas Resources Management. However, this report has been a "labor of love" for the past 28 years and I returned to the division on a part-time basis to do it once again.

Mike McCormac

PERMITTING

The division issued 1,825 permits, an increase of 292 (19%) from 2011 (*Figure 1*). This total includes permits issued to convert, deepen, drill, plug back, plug and abandon, reissue and reopen. Permits were issued in 14 days on average, the same as in 2011.

Permits issued to drill for oil and gas totaled 903, a 31% increase (213 permits) from last year. These permits included 756 new permits and 147 reissued permits. Utica/Point Pleasant shale permits increased by 393 for a total of 459, accounting for 51% of all drilling permits. Clinton sandstone permits decreased by 72 for a total of 198 (22%). Devonian shale permits increased by eleven for a total of 65, including seven issued for the Marcellus shale, and accounted for 7% of all drilling permits. Deep well permits decreased by sixty-five for a total of 87 (10%). Deep well permits are those issued to drill to formations below the Cambro-Ordovician Knox unconformity such as the Beekmantown dolomite, Rose Run sandstone, Trempealeau dolomite and Mt. Simon Sandstone. Berea Sandstone permits decreased by twelve for a total of 56 (6%).

Six hundred and seventeen plugging permits were issued, an increase of 46 (8.1%) from 2011, which includes 30 permits for the Orphan Well Program.

Notable permitting highlights for 2012 include:

- issued 92 urbanized area permits (a decrease of 39) in 15 counties. The top five counties were Stark (18), Summit (16), Portage (11), Trumbull (9), Jefferson and Mahoning (7 each);
- reviewed 4 mandatory pooling applications;
- processed 51,320 production reports for 2011; and
- issued 203 stratigraphic test well permits.

BONDING/OWNERSHIP

Oil and gas well bond release does not occur until an owner has successfully plugged and restored or transferred ownership and liability of *all* oil and gas wells under the operator's permits in Ohio.

During 2012, 51 bonds were released and 155 new owners were registered.

Section staff also manages all information and records concerning current well ownership and well transfers. During 2012, records were managed for 5,836 registered well owners, including 4,368 domestic owners and 1,468 commercial owners. Staff also recorded 1,136 changes in well ownership. There are 64,570 active wells in Ohio.

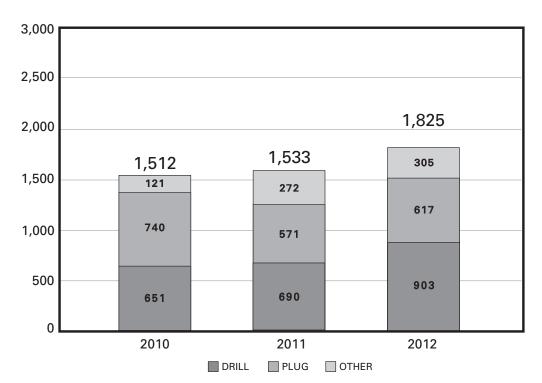


FIGURE 1: OIL & GAS PERMITS ISSUED 2010 – 2012

The division issued 1,825 permits, an increase of 292 (19%) from 2011. This total includes permits issued to convert, deepen, drill, plug back, plug and abandon, reissue and reopen.

DRILLING

As anticipated, drilling to the Utica/Point Pleasant Shales increased the number of wells drilled in 2012. An estimated 553 oil and gas wells were drilled, which

was an increase of 83 wells (15%) from 2011 (*Figure 2*) (*Appendix I*). Wells were drilled in 44 of Ohio's 88 counties, an increase of two (*Figure 3*).

FIGURE 2: WELLS DRILLED V. PERMITS ISSUED 2003 – 2012 An estimated 553 oil and gas wells were drilled, which was an increase of 83 wells (15%) from 2011.

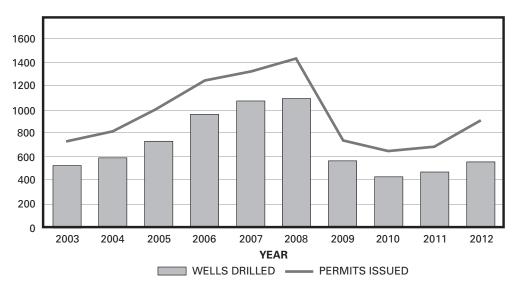


FIGURE 3: WELLS DRILLED & COMPLETIONS RECEIVED BY COUNTY – 2012

Wells were drilled in 44 of 88 counties, an increase of two.



COMPLETIONS

Of the well completion reports submitted by June 12, 2013 to the division, 505 were productive and 33 were dry holes, for a 94% productive rate (*Table I*).

- Total footage is estimated at 3,927,345 feet compared to 2,017,414 feet for 2011.
- Average well depth was 7,102 feet, an increase of 2,810 feet per well.
- The median well depth was 4,630 feet.
- Total depths ranged from 610 feet in the Berea Sandstone (Licking County) to 16,664 feet in the Utica/Point Pleasant Shale for a horizontal well (Jefferson County).

A summary of oil and gas completion statistics by county appears in Table II.

Completion zones ranged from the Pennsylvanian Cow Run to the Cambrian Trempealeau dolomite. Monroe and Muskingum counties had wells drilled to five different geologic zones. The Clinton sandstone and Utica/Point Pleasant shales accounted for 66% of all wells drilled. A summary of oil and gas completion statistics by producing zones appears in Table III.

FORMATION HIGHLIGHTS

The Utica/Point Pleasant Shales were the most actively explored formations accounting for 36% of all wells drilled. Preceding this exploration, 72 stratigraphic test wells were drilled through these formations to obtain geological data (*Table I*). Of these, 57 were plugged back and horizontally drilled in the Utica/Point Pleasant formations. Overall, 198 wells were drilled, an increase of 173 wells from 2011. These wells were drilled in 19 counties compared to 10 in 2011.

Carroll County (86) was the most active followed by Columbiana (29), Harrison (22), Jefferson (16) and Noble (12). The average depth per well was 13,355 feet, an increase of 6,033 feet per well. Production reports were submitted for 85 wells in 2012. Of these, 63 were commercial producing wells, 19 were tested and shut-in and 3 were dry and abandoned (*Appendix II*).

The Clinton sandstone was the next most actively drilled zone accounting for 30% percent of all wells drilled. There were 165 wells drilled, 57 less than the 222 wells drilled in 2011. Clinton sandstone wells averaged 3,680 feet in depth, a decrease of 621 feet per well. Clinton sandstone wells were drilled in 18 counties, three less than last year. The most active counties were Licking (31), Knox (30) and Stark (27).

Eighty wells were drilled to the Ohio Shale, an increase of 29 wells. This includes 3 wells drilled to the Marcellus shale. Drilling occurred in five counties. Noble County led with 36 wells followed by Monroe (24). The average depth per well was 3,551 feet, an increase of 405 feet per well.

There were 41 Berea Sandstone wells were drilled, twelve less than last year. Drilling occurred in 14 counties. Meigs led with 14 wells. The average depth was 1,368 feet.

Drilling to the Knox formations decreased significantly. There were 59 wells drilled, 45 less than in 2011. Drilling occurred in these formations: Beekmantown (7), Rose Run (13) and Trempealeau (39). Drilling occurred in 18 counties with Morrow (10), Huron (9), Knox and Licking (7 each) the most active.

TABLE I: DRILLING OPE	RATIONS BY T	YPE OF WELL – 20)12
	DRILLED	CONVERTED	TOTAL FOOTAGE
Productive Wells	505		3,651,322
Dry Holes	33		169,493
Reopened Wells	12		0
Lost Holes	14		23,852
Gas Storage Wells	1	0	4,350
Conventional Brine Injection Wells	3	2	14,202
Stratigraphic Test Wells	72		572,690
Solution Mining Wells	3	0	10,005
TOTAL	641	2	4,445,914

TABLE I: DRILLING OPERATIONS BY TYPE OF WELL – 2012

Of the well completion reports submitted by June 12, 2013 to the division, 505 were productive and 33 were dry holes, for a 94% productive rate.

		TABLE I	I - OIL AND	GAS CON	GAS COMPLETION STATISTICS BY COUNTY - 2012								
COUNTY	DEPTH RA		MAJOR TARGETED	DEVELOPN	IENT	EXPLORATORY		TOTAL	PERCENT	PERCENT DRILLED FO		TOTAL	
COUNTY	SHALLOW	DEEP	RESERVOIRS	PRODUCTIVE	DRY	PRODUCTIVE	DRY	WELLS	PRODUCTIVE	PRODUCTIVE	DRY	IOIAL	
Ashland	538	3,732	Berea	4	0	0	1	5	80.00	2,668	8,000	10,668	
Ashtabula	2,747	6,698	Clinton	4	0	0	4	8	50.00	13,017	27,164	40,181	
Athens	1,598	5,990	Berea	2	0	0	1	3	66.67	4,121	6,200	10,321	
Belmont	1,686	10,231	Point Pleasant	6	0	6	0	12	100.00	94,579	0	94,579	
Carroll	5,638	8,689	Point Pleasant	45	0	42	0	87	100.00	1,178,078	0	1,178,078	
Clark	1,244	1,820	Trenton	0	0	1	0	1	100.00	1,820	0	1,820	
Columbiana	5,746	7,866	Point Pleasant	4	0	26	0	30	100.00	390,147	0	390,147	
Coshocton	960	6,500	Clinton	13	1	1	0	15	93.33	57,989	6,500	64,489	
Cuyahoga	2,826	5,808	Clinton	5	1	0	1	7	71.43	17,437	8,836	26,273	
Fairfield	3,682	3,909	Trempealeau	0	1	0	0	1	0.00	0	3,909	3,909	
Geauga	3,570	4,186	Clinton	7	0	0	0	7	100.00	28,968	0	28,968	
Greene	1,374	1,381	Trenton	0	0	1	0	1	100.00	1,820	0	1,820	
Guernsey	942	7,130	Ohio Shale	7	3	6	1	17	76.47	72,455	8,001	80,456	
Harrison	7,719	9,218	Point Pleasant	9	0	13	0	22	100.00	305,933	0	305,933	
Hocking	3,123	4,771	Rose Run	2	0	0	0	2	100.00	8,088	0	8,088	
Holmes	6,484	6,711	Rose Run	0	1	0	1	2	0.00	0	13,217	13,217	
Huron	3,220	3,527	Trempealeau	7	1	1	0	9	88.89	27,129	3,338	30,467	
Jefferson	7,947	10,135	Utica	6	0	10	0	16	100.00	233,742	0	233,742	
Knox	804	4,857	Clinton	35	1	2	2	40	92.50	104,645	17,030	121,675	
Licking	577	4,451	Clinton	40	0	1	1	42	97.62	109,308	4,449	113,757	
Mahoning	5,300	7,230	Clinton	4	0	3	0	7	100.00	58,654	0	58,654	
Medina	2,530	4,714	Clinton	2	1	0	1	4	50.00	5,859	13,526	19,385	
Meigs	1,127	2,096	Berea	12	0	2	0	14	100.00	22,011	0	22,011	
Miami	1,560	1,720	Knox Group	0	0	0	1	1	0.00	0	1,720	1,720	
Monroe	1,402	9,152	Ohio Shale	23	0	8	0	31	100.00	144,987	0	144,987	
Morgan	1,189	6,690	Beekmantown	1	0	3	2	6	66.67	21,247	13,070	34,317	
Morrow	2,906	3,942	Trempealeau	7	3	0	0	10	70.00	25,912	10,584	36,496	
Muskingum	1,192	7,047	Clinton	15	1	1	0	17	94.12	60,288	7,047	67,335	
Noble	1,392	8,263	Ohio Shale	36	0	10	0	46	100.00	267,893	0	267,893	
Perry	860	3,285	Clinton	2	0	0	0	2	100.00	4,602	0	4,602	
Pickaway	2,464	2,690	Trempealeau	1	1	0	0	2	50.00	2,573	2,690	5,263	
Portage	4,170	6,090	Clinton	6	0	1	0	7	100.00	44,853	0	44,853	
Richland	4,513	4,572	Trempealeau	1	0	0	0	1	100.00	4,660	0	4,660	
Sandusky	1,411		·	1	0	0	0	1	100.00	3,526	0	3,526	
Stark		1,461	Trenton	28		5	1	35	94.29				
	4,326	7,518	Clinton		1					207,766	14,212	221,978	
Summit	3,754	4,338	Clinton	6	0	0	0	6	100.00	24,669	0	24,669	
Trumbull	4,953	5,370	Clinton	7	0	0	0	7	100.00	37,618	0	37,618	
Tuscarawas	5,898	6,172	Point Pleasant	0	0	2	0	2	100.00	25,081	0	25,081	
Vinton	1,024	1,040	Berea	1	0	0	0	1	100.00	1,225	0	1,225	
Washington	682	2,028	Berea	4	0	0	0	4	100.00	5,947	0	5,947	
Wayne	3,157	5,227	Clinton	5	0	1	0	6	100.00	28,822	0	28,822	
Wood	1,145	1,185	Trenton	1	0	0	0	1	100.00	1,185	0	1,185	
TOTAL				359	16	146	17	538	93.87	3,651,322	169,493	3,820,815	

TABLE III: OIL & GAS COMPLETION STATISTICS BY PRODUCING ZONE – 2012												
PRODUCING ZONES	DEPTH RANGE OF RESERVOIRS		DEVELOPMENT		EXPLORATORY		TOTAL	PERCENT	DRII	LLED FOOTAG	GE .	
	SHALLOW	DEEP	PRODUCTIVE	DRY	PRODUCTIVE	DRY	WELLS	PRODUCTIVE	PRODUCTIVE	DRY	TOTAL	
Pennsylvanian (Cow Run)	682	968	2	0	0	0	2	100.00	1,937	0	1,937	
Upper Mississippian (Keener)	1,402	1,419	1	0	0	0	1	100.00	1,590	0	1,590	
Mississippian (1st & 2nd Berea)	538	2,054	35	2	2	0	39	94.87	50,928	2,420	53,348	
Devonian (Ohio Shale - Marcellus)	1,454	6,358	64	1	10	1	76	97.37	264,275	5,581	269,856	
Silurian (Clinton - Medina)	2,005	5,887	160	1	0	0	161	99.38	589,455	3,028	592,483	
Ordovician (Utica/Point Pleasant)	3,427	10,231	67	0	125	3	195	98.46	2,580,039	24,222	2,604,261	
Ordovician (Trenton)	1,145	6,200	2	0	2	1	5	80.00	8,351	6,200	14,551	
Ordovician (Beekmantown)	5,765	7,249	1	1	3	2	7	57.14	26,181	20,117	46,298	
Cambro-Ordovician (Rose Run)	3,916	7,427	4	3	0	6	13	30.77	23,896	61,093	84,989	
Cambrian (Trempealeau)	1,560	5,808	23	8	4	4	39	69.23	104,670	46,832	151,502	
PreCambrian			0	0	0	0	0	0.00	0	0	0	
TOTAL			359	16	146	17	538	93.87	3,651,322	169,493	3,820,815	



TABLE II:
OIL AND GAS
COMPLETION
STATISTICS BY
COUNTY – 2012

A summary of oil and gas completion statistics by county. Average well depth was 7,102 feet, an increase of 2,810 feet per well. The median well depth was 4,630 feet.



TABLE III: OIL AND GAS COMPLETION STATISTICS BY PRODUCING ZONE – 2012

A summary of oil and gas completion statistics by producing zones.

WELLS COMPLETED BY MONTH AND OWNER

Drilling activity averaged 46 wells per month compared to 39 per month in 2011. June was the most active month with 61wells (*Figure 4*).

One hundred and nineteen owners drilled wells in 2012. Ninety-three percent of these owners drilled less than 10 wells. The highest number of wells drilled by a single owner was 144 (*Figure 5*) and the 10 most active operators drilled 58% (318) of all wells.

WELLS COMPLETED BY TYPE OF TOOL

Rotary tools drilled the majority of wells. Cable-tool rigs drilled 36 wells and operated in ten counties. Knox County (13) had the highest number of cable tool operations followed by Licking (6). Cable tool depths ranged from 610 feet (Licking County) to 3,653 feet (Morrow County). The majority of wells were drilled to the Clinton (20) and Berea (13) sandstones. The average depth per well drilled by cable tool was 2,153 feet, an increase of 281 feet; rotary-drilled wells averaged 7,446 feet, an increase of 2,946 feet per well.

FIGURE 4: WELLS COMPLETED BY MONTH 2011 v. 2012

Drilling activity averaged 46 wells per month compared to 39 per month in 2011.

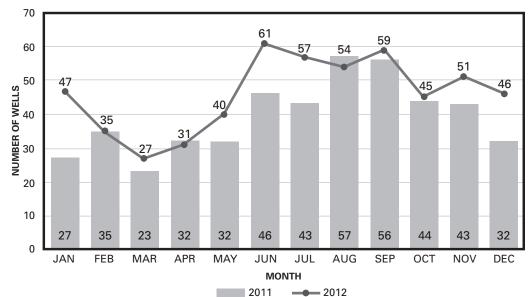
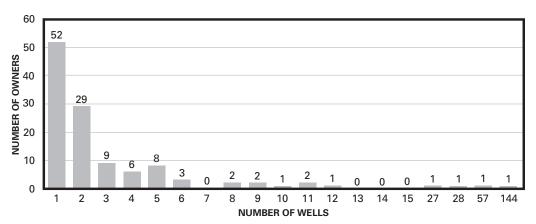


FIGURE 5: NUMBER OF WELLS BY OWNER - 2012 Of the 119 owners that drilled wells in 2012, 93% drilled less

than 10 wells.



PLUG-BACK AND DEEPEN OPERATIONS

Thirteen wells were dry in their permitted formation but plugged back to produce a shallower zone. Another 15 existing wells were plugged back to producing zones; one well was drilled to a deeper formation.

TEN MOST ACTIVE COUNTIES

Carroll County was the most active county with 87 wells drilled (*Table IV*). Noble which had no wells drilled in 2011, was second with 49 wells. Knox and Stark counties, tied for first in 2011, remained in the top-ten dropping to fourth and fifth, respectively. The focus of drilling to the Utica/Point Pleasant shales was clearly seen in these top-ten counties. Every well in Harrison and all but one well in Carroll and Columbiana had these shales as the target. Additionally, many of these counties had stratigraphic test wells drilled in them which are not included in these totals.

Only five of these counties were in the top-ten last year. Overall, the largest increase occurred in Carroll County (70 wells) putting it in the top-ten for the first time since 1977. Columbiana was last in the top-ten in 1987 and Harrison is in for the first time ever. The biggest well decreases took place in Tuscarawas (17), Belmont (16), Mahoning (14) and Summit (13) counties.

DIRECTIONAL AND HORIZONTAL DRILLING PERMITS

This technology is used to access oil and gas in the following ways: under environmentally sensitive or densely populated areas, and to drill horizontally to enhance production. There were eight directional drilling and four hundred and fifty horizontal permits issued to drill oil and gas wells in 21 counties, an increase of 316 permits from 2011. Horizontal permits were issued to these formations: Utica/Point Pleasant Shale (440), Marcellus Shale (7), Berea Sandstone, Upper Devonian Shale and Clinton sandstone (1 each). Directional permits were issued to the Clinton sandstone (3), Utica/Point Pleasant shale (3) and Rose Run sandstone (2). The most active counties were Carroll (170), Harrison (68), Columbiana (59), Monroe (26) and Jefferson (21).

	TABLE	IV: TEN MO	OST ACTIV	/E COUNTIES - 201	2
2012 RANK	COUNTY	WELLS DRILLED	2011 RANK	AVERAGE DEPTH PER WELL	ESTIMATED FOOTAGE DRILLED
1	Carroll	87	(12)	13,541	1,178,078
2	Noble	49	(43)	5,824	285,376
3	Licking	42	(6)	2,709	113,757
4	Knox	40	(1)	3,042	121,675
5	Stark	36	(1)	6,342	228,312
6	Monroe	31	(12)	4,677	144,987
7	Columbiana	30	(35)	13,005	390,147
8	Harrison	22	(31)	13,906	305,933
9	Coshocton	18	(4)	4,299	77,382
9	Guernsey	18	(8)	4,733	85,194

TABLE IV: TEN MOST ACTIVE COUNTIES – 2012

Carroll County was the most active county with 87 wells drilled. Noble which had no wells drilled in 2011, was second with 49 wells.

EXPLORATORY WELLS

One hundred and sixty-three wells (29% of all wells completed) were classified as exploratory which is more than double compared to 2011 (*Figure 6*). Of these, 146 were productive and 17 were dry, representing a 90% success rate.

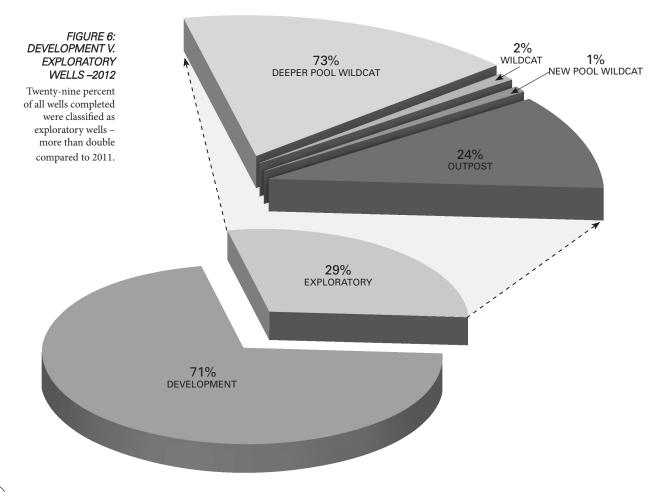
Continued exploration in the Utica/Point Pleasant Shales resulted in 128 exploratory wells being drilled compared to 24 in 2011. Drilling below the Knox unconformity decreased to 19 wells. Wells drilled to formations below the Knox unconformity such as the Beekmantown dolomite (5), Rose Run sandstone (6) and Trempealeau dolomite (8) are almost always seismic prospects. Twelve of these wells were dry holes. The Ohio Shale was also active with eleven wells.

Wells were drilled in 29 counties. Carroll (42) was the most active county, followed by Columbiana (26), Harrison (13), Jefferson and Noble (10 each).

The majority of exploratory wells were classified as either 'deeper pool wildcats' (119) or 'outposts' (39). Productive rates were as follows: 'deeper pool wildcats' – 91% and 'outposts' – 90%.

COUNTY DRILLING DEPTH RECORDS

Continuing exploration to the Utica/Point Pleasant Shales resulted in 3 new drilling depth records (*Appendix III*). In Jefferson County, a well was drilled 10,320 feet into the Trenton Limestone, 620 feet deeper than the former record holding well drilled in 2011. In Monroe County, a well was drilled 10,980 feet into the Trenton Limestone, 1,670 feet deeper than the former record holding well drilled in 2011. In Washington County, a well was drilled 10,220 feet into the Trenton Limestone, 20 feet deeper than the former record holding well drilled in 1989. Additionally, in Jefferson County, a horizontal well was drilled 16,664 feet into the Point Pleasant Shale, making it the longest well ever drilled.



PRODUCTION

Ohio's total reported crude oil production was 4,974,359 barrels (*Figure 7, Table V*), an increase of 121,395 barrels (2.5%) from 2011. In 2012, daily production averaged 13,628 barrels compared to 13,296 barrels in 2011. Through 2012, Ohio wells have produced 1,146,355,065 barrels.

Ohio wells produced 86,770,137 mcf of natural gas, an increase of 13,480,299 mcf (18.39%) from 2011 (*Figure 7, Table V*). Gas production figures include an estimated 732,015 mcf of natural gas used on the lease. In 2012, daily production averaged 237,726 mcf compared to 200,794 mcf in 2011. Through 2012, Ohio wells have cumulatively produced 8,680,158,222 mcf of natural gas.

This year's production was influenced by the producing horizontal wells from the Utica and Point Pleasant shale formations. Eighty wells reported 635,876 barrels of oil (12.8% of total production) and 12,831,292 mcf of natural gas (14.8% of total production) (*Appendix II*).

The 2012 production numbers are an estimate based on available data reported to the Division of Oil and Gas Resources Management; oil reserve, gas reserve and gas consumption totals are based on data from the Department of Energy, Energy Information Administration.

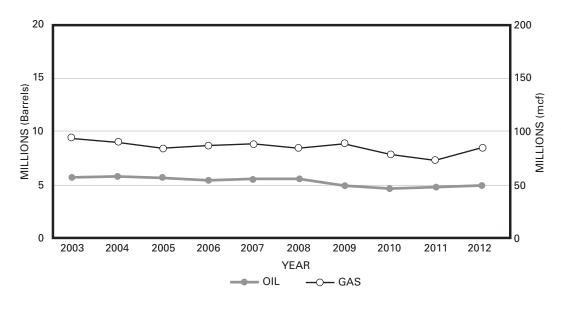


FIGURE 7: OIL & GAS PRODUCTION 2003 –2012

Ohio's total reported production of crude oil in 2012 was 4,974,359 barrels, and production of natural gas was 86,770,137 mcf.

	TABLE V: CRUDE OIL & NATURAL GAS PRODUCTION, RESERVES & CONSUMPTION 2003 – 2012											
	OIL (Thousan	ds of Barrels)	GAS (mcf)									
YEAR	PRODUCTION	RESERVES	PRODUCTION	RESERVES	CONSUMPTION							
2003	5,647	66,000	93,641	1,126,000	848,388							
2004	5,785	49,000	90,301	974,000	825,753							
2005	5,652	46,000	84,135	898,000	825,961							
2006	5,422	49,000	86,315	975,000	742,359							
2007	5,455	48,000	88,095	1,027,000	806,350							
2008	5,554	38,000	84,858	985,000	792,339							
2009	5,009	38,000	88,824	896,000	740,925							
2010	4,785	42,000	78,122	832,000	784,293							
2011	4,853	41,000	73,290	758,000	820,485							
2012	4,974	N/A	86,770	N/A	N/A							

TABLE V: CRUDE OIL & NATURAL GAS PRODUCTION, RESERVES & CONSUMPTION 2003 –2012

In 2012, daily production of crude oil averaged 13,628 barrels compared to 13,296 barrels in 2011. In 2012, daily production averaged 237,726 mcf compared to 200,794 mcf in 2011.

MARKET VALUE

Crude oil production valued at \$457,889,746 increased 4.77% (\$20,834,506) from its 2011 value. The average price per barrel was \$92.05, an increase of \$1.99 from 2011's average price of \$90.06 per barrel ($Table\ VI$). Posted oil prices ranged from a low of \$75.49 (June 28^{th}) to a high of \$106.82 (Feb. 24^{th}) per barrel.

The market value of natural gas decreased 20.12% (\$62,496,977) to \$248,162,591. The average price paid per

mcf was \$2.86 in 2012, a decrease of \$1.42 per mcf from 2011 ($Table\ VI$). The Appalachian price index ranged from a low of \$2.05 in May to a high of \$3.76 in December.

Ohio's combined oil and gas market value decreased by 5.57% (\$41,662,471). The total dollar value was \$706,052,337 (*Figure 8*).

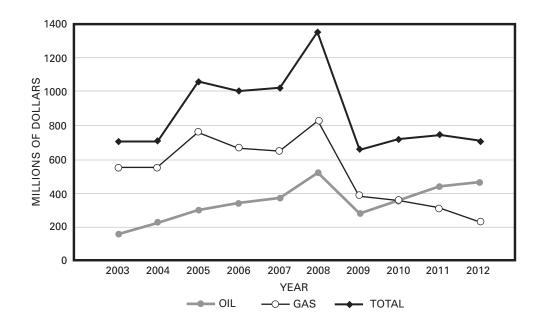
TABLE VI: AVERAGE WELLHEAD PRICE OF OIL AND GAS 2003 –2012

The average price per barrel of oil was \$92.05, an increase of \$1.99 from 2011. The average price paid per mcf was \$2.86 in 2012, a decrease of \$1.42 per mcf from 2011.

TABLE VI: AV	ERAGE WELLHEAD PRICE O	F OIL AND GAS – 2003-2012
YEAR	OIL \$/Bbl	GAS \$/BbI
2003	\$27.64	\$5.90
2004	\$38.00	\$6.65
2005	\$53.03	\$9.03
2006	\$62.43	\$7.75
2007	\$67.69	\$7.40
2008	\$93.79	\$9.77
2009	\$55.56	\$4.36
2010	\$74.42	\$4.68
2011	\$90.06	\$4.28
2012	\$92.05	\$2.86

FIGURE 8: DOLLAR VALUE OF OIL AND GAS 2003 – 2012

Ohio's combined oil and gas total dollar value was \$706,052,337.



PLUGGING ACTIVITY

Plugging activity increased by 118 wells. Figure 9 compares plugging and drilling activity. In 2012, 473 wells were plugged compared to 355 in 2011. This total does not include dry or lost holes that were plugged in 2012. Fifty of these wells were plugged through the Orphan Well Program, including nine funded through the Landowner Grants Program. Additionally, four previously plugged wells were reopened for the purpose of replugging them.

Wells were plugged in 43 counties (*Figure 10*). Washington County (35) was the most active plugging county followed by Coshocton (29), Holmes (28), Licking (26) and Huron (25). Every well in Huron County was plugged by the Orphan Well Program.

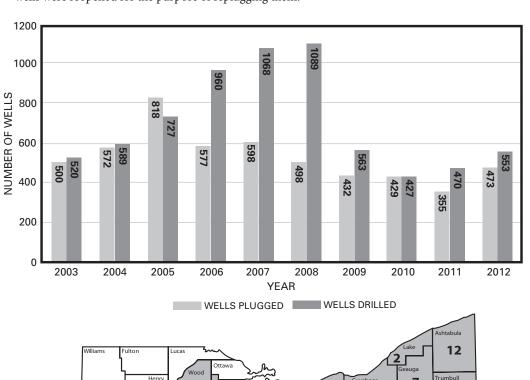


FIGURE 9: WELLS PLUGGED V. WELLS DRILLED 2003 – 2012

Plugging activity in 2012 increased by 118 wells.

FIGURE 10: WELLS PLUGGED BY COUNTY – 2012

Wells were plugged in 43 counties in 2012, with Washington County having the most plugged wells with 35.



			APPENDIX 1	- WELLS D	RILLED IN OH	IO 1888 – 20)12		
YEAR	PRODUCTIVE	DRY	TOTAL	BEREA	OHIO SHALE	CLINTON	TRENTON	ROSE RUN	CAMBRIAN
Prior (a)									
1888 (b)	6,022		6,022				2,234		
1888 (1)	617		617				542		
1889	1,590	132	1,722				702		
1890	2,497	96	2,593				2,151		
1891	1,709	56	1,765				1,572		
1892	1,551	38	1,589				1,465		-
1893	2,067	46	2,113				1,877		
1894 (c)	3,216	85	3,301				3,001		
1895	6,020	127	6,147				5,559		
1896 (d)	5,600	856	6,456				4,339	-	
1897	3,442	300	3,742			987	2,755		
1898	3,338	172	3,510			132	2,852		
1899	6,399	408	6,807			151	4,469		
1900	6,098	457	6,555			116	5,013		
1901	4,559	573	5,132			148	3,524		
1902	5,651	649	6,300			306	4,213		
1903	5,880	777	6,657			352	4,072		
1904	4,974	858	5,832			382	3,141		
1905	3,027	680	3,707			400	1,578		
1906	2,903	681	3,584			388	1,535		
1907	2,146	611	2,757			521	890		
1908	2,083	695	2,778			522	848		
1909	2,881	966	3,847			694	873		
1910	2,059	670	2,729			668	572		
1911	2,270	507	2,777			641	527		
1912	3,527	956	4,483			926	551		
1913	2,560	603	3,163			643	972		
1914	2,371	534	2,905			943	861		
1915	1,672	498	2,170			952	260		
1916	2,028	525	2,553			469	699		
1917	1,864	504	2,368			587	535		
1918	1,708	446	2,154			605	466		
1919	2,486	585	3,071			940	385		
1920	2,421	722	3,143			1,240	565		
1921	1,675	620	2,295			853	461		
1922	1,989	607	2,596			906	522		
1923	1,779	537	2,316			642	697		
1924	1,704	439	2,143			605	592		
1925	1,680	414	2,094			434	627		
1926	1,722	382	2,104			522	460		
1927	1,286	337	1,623				262		
1928	1,305	395	1,700				204		
1929	1,936	634	2,570				191		
1930	1,562	572	2,134				205		
1931	789	287	1,076				148		
1931	546	224	770				124		
1932	496	183	679				123		

		APP	ENDIX 1 – W	ELLS DRILL	ED IN OHIO 1	888 – 2012	page 2)		
YEAR	PRODUCTIVE	DRY	TOTAL	BEREA	OHIO SHALE	CLINTON	TRENTON	ROSE RUN	CAMBRIAN
1934	883	276	1,159				103		
1935	544	192	736				94		
1936	754	246	1,000				81		
1937	813	432	1,245						
1938	622	288	910						
1939	713	319	1,032						
1940	818	410	1,228						
1941	1,034	527	1,561						
1942	652	356	1,008						
1943	625	391	1,016						
1944	647	393	1.040						
1945	649	385	1,034						
1946	885	408	1,293						
1947	899	484	1,383						
1948	921	534	1,455						
1949	626	426	1,052						
1950 (2)	666	476	1,142	436	8	418	25		3
1951	626	435	1,061	394	10	406	18		6
1952	670	470	1,140	368	15	459	47		2
1953 (e)	711	386	1,097	359	21	402	30		6
1954	788	407	1,195	441	13	395	25		2
1955	898	336	1,234						
1956	878	367	1,245	364	13	663	32		5
1957	773	268	1,041	260	12	579	21		2
1958	852	316	1,168	303	13	650	19		5
1959	843	315	1,158	300	11	672	20		13
1960	707	309	1,016	218	5	597	7		20
1961	809	295	1,104	257	10	619	4		42
1962	820	326	1,146	358	2	542	10		72
1963 (f)	748	407	1,155	266	2	443	14	4	302
1964	1,075	1,579	2,654	197	2	499	34	9	1,800
1965 (g)	904	801	1,705	195	2	635	53	16	729
1966	872	399	1,271	227	4	692	18	8	261
1967	953	258	1,211	170	17	853	18	4	132
1968	988	229	1,217	136	66	832	21	6	81
1969	926	183	1,109	104	17	863	13	10	56
1970	1,165	190	1,355	84	15	1,146	5	6	42
1971	1,065	173	1,238	98	11	1,038	5	5	37
1972	1,125	168	1,293	112	21	1,082	3	10	32
1973	1,337	166	1,503	76	31	1,345	5	5	26
1974	1,601	167	1,768	91	13	1,587	3	8	31
1975	1,105	115	1,220	62	6	1,103	5	17	22
1976	1,774	164	1,938	165	30	1,631	38	18	16
1977	2,455	171	2,626	390	34	2,083	33	11	15
1977 1978 (h)	3,132	283	3,415	430	22	2,834	22	27	12
1976 (11)	3,480	179	3,659	542	131	2,848	22	29	23
1979	4,935		5,100	867		3,734		29	
		165			78		1		31
1981	5,685	400	6,085	733	543	4,366		16	50

		APPE	NDIX 1 – V	VELLS DRILI	ED IN OHIO 1	888 – 2012	(page 3)		
YEAR	PRODUCTIVE	DRY	TOTAL	BEREA	OHIO SHALE	CLINTON	TRENTON	ROSE RUN	CAMBRIAN
1982	4,488	342	4,830	756	458	3,426		11	4
1983	4,000	299	4,299	557	533	3,203	1	7	51
1984	4,593	370	4,963	612	329	3,827		9	65
1985	3,546	214	3,760	345	315	3,042		19	94
1986	1,725	125	1,850	185	76	1,482		28	62
1987	1,721	161	1,882	153	40	1,454		70	55
1988	1,267	156	1,423	112	43	1,037		94	62
1989	1,153	159	1,312	69	145	890		92	77
1990	1,147	180	1,327	61	97	863		143	102
1991	1,001	170	1,171	89	89	794		116	108
1992	710	165	875	100	51	465		139	87
1993	643	180	823	60	35	330	2	260	89
1994	601	182	783	26	13	301	9	269	75
1995	507	163	670	25	11	253	2	202	94
1996	559	166	725	35	42	253	1	219	90
1997	620	178	798	33	20	277	0	223	110
1998	383	135	518	66	16	154	0	161	61
1999	407	95	502	32	65	177	5	106	55
2000	455	112	567	18	14	281	3	124	77
2001	599	100	699	36	29	396	1	113	58
2002	432	72	504	8	48	265	0	88	47
2003	455	65	520	30	60	258	2	82	40
2004 (i)	534	55	589	32	97	319	1	66	24
2005	658	69	727	48	116	409	7	45	50
2006	915	45	960	90	134	636	8	18	23
2007	1,022	46	1,068	90	157	672	7	35	32
2008	1,028	61	1,089	124	155	662	1	21	38
2009	517	46	563	43	97	320	2	30	25
2010 (j)	382	45	427	47	40	228	5	18	42
2011	443	27	470	53	51	222	3	26	47
2012 (k)	517	36	553	41	80	165	7	13	39
TOTAL (I)	222,164	42,633	264,797	12,981	4,634	80,752	71,130	3,080	5,799

REFERENCES

- 1. Years 1888-1950: Alkire, Robert L., 1951, Oil and Gas Production, History, Regulation, Secondary Recovery and Bibliography, 8, part 2 of Ohio Division of Geological Survey Report of Investigations: 45-46 pp.
- 2. Years 1950-2011: Statistics from Annual Oil & Gas Statistical Reports published by Ohio Divisions of Oil & Gas Resources Management and Geological Survey. Numbers were not available for blank formation fields.

HISTORICAL FOOTNOTES

- a. Ohio lays claim to the first discovery of oil from a drilled well. In 1814, saltwater well drillers struck oil in Olive Township of Noble County at 475 feet.
- b. Ohio's first commercial oil and gas well was put into production in 1860 at Macksburg in Washington County.
- c. Alkire notes that the statistics for years 1894-1904 were incomplete and estimated that the total number of wells not accounted for during those years is approximately 12,000.
- d. Ohio was the nation's leading oil producer in 1896.
- e. Widespread acceptance of the hydraulic fracture method for increasing production in 1953.
- f. Morrow County Oil Boom in 1963.
- g. Creation of Ohio Division of Oil and Gas in 1965.
- h. Tight formation tax credit.
- i. Urbanized Drilling Law (HB 278) went into effect September 16, 2004.
- j. Senate Bill 165 went into effect June 30, 2010.
- k. Senate Bill 315 went into effect September 10, 2012.
- I. Total number of wells may actually be 276,797. (See footnote c)

	AP	PENDIX II: 2	2012 UTICA	POINT PLEASANT P	RODUCTION	ON			
OWNER NAME	PERMIT NUMBER	COUNTY	TOWNSHIP	WELL NAME/ WELL NUMBER	OIL (BARRELS)	GAS (MCF)	BRINE (BARRELS)	DAYS	# OF WELLS
ANADARKO E & P ONSHORE LLC	27190	COSHOCTON	MILL CREEK	COSH MILL CREEK A-1H	641	0	22159	66	
ANADARKO E & P ONSHORE LLC	24200	GUERNSEY	SPENCER	FREC GUER SPENCER A-5H	26420	81644	8532	276	
ANADARKO E & P ONSHORE LLC	24190	GUERNSEY	SPENCER	FREC GUER SPENCER A1H	13564	41153	11704	293	
ANADARKO E & P ONSHORE LLC	28749	MUSKINGUM	MEIGS	FREC MEIGS C-1H	6531	0	12787	121	
ANADARKO E & P ONSHORE LLC	24350	NOBLE	BROOKFIELD	FREC NOBL BROOKFIELD	38313	193797	22972	292	
ANADARKO E & P ONSHORE LLC	24349	NOBLE	OLIVE	FREC NOBL OLIVE A-1H	2970	0	4812	35	
ANADARKO E & P ONSHORE LLC	24348	NOBLE	SHARON	FREC NOBL SHARON A-1H	30287	126703	24247	252	
				TOTALS	118,726	443,297	107,213	1,335	7
ANTERO RES APPALACHIAN CORP	24366	NOBLE	BUFFALO	SANFORD UNIT 1H	13675	37693	4499	27	
ANTERO RES APPALACHIAN CORP	24331	MONROE	SENECA	ET RUBEL UNIT 1H	733	0	0	0	
ANTERO RES APPALACHIAN CORP	24346	NOBLE	SENECA	MILEY UNIT 5HA	7114	0	0	0	
				TOTALS	21,522	37,693	4,499	27	3
CHESAPEAKE EXPLORATION LLC	22127	CARROLL	AUGUSTA	LOZIER 14-15-5 3H	1008.56	8337	3602.5	6	
CHESAPEAKE EXPLORATION LLC	22111	CARROLL	AUGUSTA	MANGUN 22-15-5 3H	1731.79	24002	6838.5	17	
CHESAPEAKE EXPLORATION LLC	22140	CARROLL	AUGUSTA	MANGUN 22-15-5 6H	2784.32	12974	6028.5	13	
CHESAPEAKE EXPLORATION LLC	22171	CARROLL	AUGUSTA	LOZIER 14-15-5 8H	18.81	535	2142.5	3	
CHESAPEAKE EXPLORATION LLC	22073	CARROLL	AUGUSTA	CALVIN MANGUN 8H	7144.12	239021	3741	152	
CHESAPEAKE EXPLORATION LLC	22082	CARROLL	AUGUSTA	WEST 4-15-5 3H	6478.57	45590	7176	102	
CHESAPEAKE EXPLORATION LLC	22141	CARROLL	BROWN	WHITACRE 26-17-7 8H	1673.71	0	4705.24	5	
CHESAPEAKE EXPLORATION LLC	22081	CARROLL	CENTER	SHAW 20-14-5 5H	24313.32	344387	20325	306	
CHESAPEAKE EXPLORATION LLC	22085	CARROLL	CENTER	BURGETT 7-15-6 8H-RS	46914.01	332445	17082.5	206	
CHESAPEAKE EXPLORATION LLC	22110	CARROLL	CENTER	BURGETT 7-15-6 6H	11759.61	56364	7217.07	52	
CHESAPEAKE EXPLORATION LLC	22084	CARROLL	EAST	CONIGLIO 7-14-4 6HH	15209.83	360575	4929	119	
CHESAPEAKE EXPLORATION LLC	22103	CARROLL	EAST	BUCEY 21-14-4 5H	4852.1	349980	9681.54	168	
CHESAPEAKE EXPLORATION LLC	22104	CARROLL	EAST	BUCEY 21-14-4 6H	1408.77	212812	6126.83	166	
CHESAPEAKE EXPLORATION LLC	22121	CARROLL	EAST	BURRY 20-14-4 8H	982.23	41073	4846	18	
CHESAPEAKE EXPLORATION LLC	22074	CARROLL	EAST	BUCEY 3H	5501.89	539293	11230.83	231	
CHESAPEAKE EXPLORATION LLC	22088	CARROLL	LEE	WHITE 17-13-5 8HA	16258.73	277744	17853.14	135	
CHESAPEAKE EXPLORATION LLC	22089	CARROLL	LEE	BAILEY 35-12-4 6H	7561.71	423350	12701.91	164	
CHESAPEAKE EXPLORATION LLC	22090	CARROLL	LEE	TANNER 24-12-4 10HL	0	297456	6627	75	
CHESAPEAKE EXPLORATION LLC	22096	CARROLL	LEE	HOUYOUSE 15-13-5 8H	14792.12	351781	6756.35	93	
CHESAPEAKE EXPLORATION LLC	22100	CARROLL	LEE	HOUYOUSE 15-13-5 6H	11078.81	279204	4363.78	82	
CHESAPEAKE EXPLORATION LLC	22099	CARROLL	LEE	HOUYOUSE 15-13-5 1H	12439.53	208308	5343.78	74	
CHESAPEAKE EXPLORATION LLC	22092	CARROLL	LEE	WHITE 17-13-5 10H	14896.23	255957	10520.85	134	
CHESAPEAKE EXPLORATION LLC	22095	CARROLL	LEE	WHITE 17-13-5 3H	12916.45	196679	10316.05	128	
CHESAPEAKE EXPLORATION LLC	22097	CARROLL	LEE	SNODDY 11-13-5 5H	10982.95	198922	8866.95	124	
CHESAPEAKE EXPLORATION LLC	22098	CARROLL	LEE	SNODDY 11-13-5 1H	19196.24	291227	8856.95	146	
CHESAPEAKE EXPLORATION LLC	22102	CARROLL	LEE	BAILEY 35-12-4 1H	7853.17	386714	12789.2	130	
CHESAPEAKE EXPLORATION LLC	22101	CARROLL	LEE	BAILEY 35-12-4 3H	8049.61	466973	8314.77	158	
CHESAPEAKE EXPLORATION LLC	22105	CARROLL	LEE	SNODDY 11-13-5 6H	12384.94	258817	5597.47	126	
CHESAPEAKE EXPLORATION LLC	22139	CARROLL	LEE	P BROWN 9-13-5 1H	4805.18	90263	4962.4	35	
CHESAPEAKE EXPLORATION LLC	22122	CARROLL	PERRY	WALTERS 30-12-5 8HH	7265.29	105553	7150	36	
CHESAPEAKE EXPLORATION LLC	22119	CARROLL	PERRY	SCOTT 24-12-5 3H	480.61	0	4654.52	2	

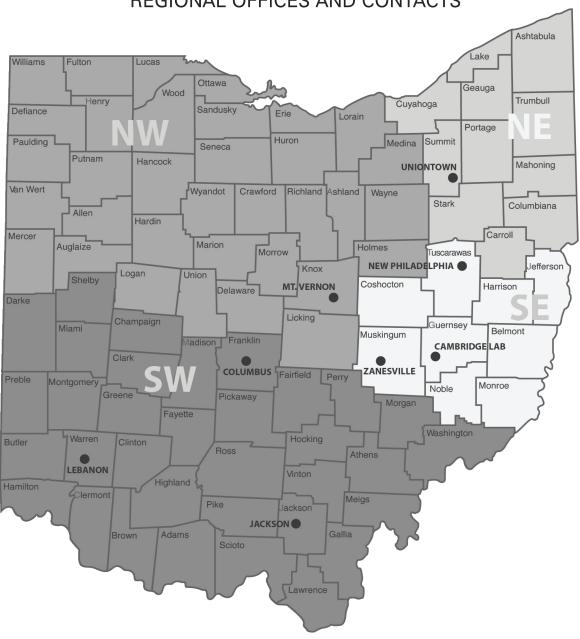
	APPE	NDIX II: 2012	UTICA-PO	INT PLEASANT PROI	DUCTION	(page 2)			
OWNER NAME	PERMIT NUMBER	COUNTY	TOWNSHIP	WELL NAME/WELL NUMBER	OIL (BARRELS)	GAS (MCF)	BRINE (BARRELS)	DAYS	# OF WELLS
CHESAPEAKE EXPLORATION LLC	22091	CARROLL	WASHINGTON	SCHMUCK FARMS 22- 14-5 3H	11126.15	121176	7967	81	
CHESAPEAKE EXPLORATION LLC	22124	CARROLL	WASHINGTON	NEIDER 10-14-5 8H	327.4	11706	3393.29	5	
CHESAPEAKE EXPLORATION LLC	22123	CARROLL	WASHINGTON	NEIDER 10-14-5 6H	858.83	34570	4343.29	14	
CHESAPEAKE EXPLORATION LLC	22125	CARROLL	WASHINGTON	NEIDER 10-14-5 10HH	970.33	48316	3868.29	21	
CHESAPEAKE EXPLORATION LLC	22151	CARROLL	WASHINGTON	NEIDER 10-14-5 5H	1448.04	51909	9898.29	22	
CHESAPEAKE EXPLORATION LLC	22153	CARROLL	WASHINGTON	NEIDER 10-14-5 1H	489.61	18875	4892.29	13	
CHESAPEAKE EXPLORATION LLC	22075	CARROLL	WASHINGTON	NEIDER 3H	5043.53	234428	4410.58	120	
CHESAPEAKE EXPLORATION LLC	22076	CARROLL	WASHINGTON	HARVEY 8H	6122.05	322213	6587	295	
CHESAPEAKE EXPLORATION LLC	21734	COLUMBIANA	HANOVER	JAN PAUL FARMS 17- 15-4 8H	307.92	0	6545.48	4	
CHESAPEAKE EXPLORATION LLC	21694	COLUMBIANA	KNOX	SANOR FARMS 23-17-5 3H	8832.99	54730	12752.11	204	
CHESAPEAKE EXPLORATION LLC	21697	COLUMBIANA	WEST	AYRVIEW ACRES 27-16-5 3HT	2811.43	18772	4757.38	23	
CHESAPEAKE EXPLORATION LLC	21701	COLUMBIANA	WEST	AYRVIEW ACRES 27-16-5 1HT	3031.28	18434	6102.38	19	
CHESAPEAKE EXPLORATION LLC	21702	COLUMBIANA	WEST	AYRVIEW ACRES 27-16-5 5HT	9101.63	40663	5757.38	32	
CHESAPEAKE EXPLORATION LLC	21057	HARRISON	ARCHER	KENNETH BUELL 8H	9778.97	1657548	3597	341	
CHESAPEAKE EXPLORATION LLC	21064	HARRISON	STOCK	STUART HENDERSON 11-12-6 1H	1660.3	0	4018.93	6	
CHESAPEAKE EXPLORATION LLC	20507	JEFFERSON	BRUSH CREEK	BROWN 36-11-3 10H	25	615710	9925.52	112	
CHESAPEAKE EXPLORATION LLC	20514	JEFFERSON	SPRINGFIELD	CAIN 16-12-4 3HE	0	58517	2278	16	
CHESAPEAKE EXPLORATION LLC	20520	JEFFERSON	SPRINGFIELD	CAIN SOUTH 16-12-4 8HA	0	49287	3333	14	
CHESAPEAKE EXPLORATION LLC	23135	MAHONING	MILTON	GEATCHES MAH 3H	816.87	0	2799	36	
CHESAPEAKE EXPLORATION LLC	24420	PORTAGE	SUFFIELD	HOSEY POR 6H-X	0	0	7207.17	0	
CHESAPEAKE EXPLORATION LLC	25747	STARK	OSNABURG	DREVON 29-18-7 8H	9077.36	48262	11774.85	125	
CHESAPEAKE EXPLORATION LLC	25483	TUSCARAWAS	FAIRFIELD	GRIBI 1-9-1 3HE)	7638.81	31249	24259.83	102	
				TOTALS	372,212	10,092,701	401,816	4,811	53
CNX GAS COMPANY LLC	25485	TUSCARAWAS	AUBURN	TROYER TUSC3AHSU	10015	9986	1284	50	
				TOTALS	10,015	9,986	1,284	50	1
			CLEAR						
DEVON ENERGY PRODUCTION	24160	ASHLAND	CREEK	EICHELBERGER DAVID 1H	0	0	23598	102	
DEVON ENERGY PRODUCTION	24219	GUERNSEY	CENTER	CHUMNEY FAMILY TRUST 1H	2149	0	0	23	
DEVON ENERGY PRODUCTION	24554	KNOX	MORGAN	SENSIBAUGH 1H	0	0	9078	44	
DEVON ENERGY PRODUCTION	25037	MEDINA	HARRISVILLE	RICHMAN FARMS 1H	0	0	20217	75	
DEVON ENERGY PRODUCTION	25669	WAYNE	EAST UNION	HERSHBERGER 1H	0	0	16899	50	
				TOTALS	2,149	-	69,792	294	5
ENERVEST OPERATING LLC	22093	CARROLL	HARRISON	CAIRNS #5H	20951	92860	8266	120	
ENERVEST OPERATING LLC	24183	GUERNSEY	WHEELING	RHDK #8H	2958	8670	6201	111	
ENERVEST OPERATING LLC	25735	STARK	MARLBORO	FRANK UNIT #2H	8637	58679	8543	73	
				TOTALS	32,546	160,209	23,010	304	3

	APPEN	NDIX II: 2012	2 UTICA-PO	INT PLEASANT PRO	DUCTION	(page 3)			
OWNER NAME	PERMIT NUMBER	COUNTY	TOWNSHIP	WELL NAME/WELL NUMBER	OIL (BARRELS)	GAS (MCF)	BRINE (BARRELS)	DAYS	# OF WELLS
GULFPORT ENERGY CORP	20658	BELMONT	WARREN	SHUGERT 1H	373	0	16501	5	
GULFPORT ENERGY CORP	24206	GUERNSEY	MADISON	GROH 1H	5231	0	7198	6	
GULFPORT ENERGY CORP	21062	HARRISON	ATHENS	WAGNER 1H	12147	644276	3250	129	
GULFPORT ENERGY CORP	21078	HARRISON	FREEPORT	CLAY 1H	890	0	4994	2	
GULFPORT ENERGY CORP	21072	HARRISON	MOOREFIELD	B. K. STEPHENS 1H	6406	0	3204	5	
GULFPORT ENERGY CORP	21071	HARRISON	MOOREFIELD	RYSER 1H	628	0	3254	1	
GULFPORT ENERGY CORP	21065	HARRISON	NOTTINHAM	BOY SCOUT 1H	37235	122853	6168	32	
				TOTALS	63,167	767,129	46,912	185	8
HESS OHIO DEVELOPMENTS LLC	21074	HARRISON	ATHENS	CNXHAR9N5W 1H-24	533	22657	1002	4	
HESS OHIO RESOURCES LLC	20503	JEFFERSON	WAYNE	NAC GAS UNIT B 3H-3	27	900322	1283	292	
				TOTALS	560	922,979	2,285	296	2
HG ENERGY LLC	24302	MONROE	WASHINGTON	WHITACRE N-2H	0	232847	4334	247	
				TOTALS	-	232,847	4,334	247	1
PDC ENERGY INC	24211	GUERNSEY	WILLS	ONEGA COMMISSION- ERS 14-25H	2100	5238	1758	4	
				TOTALS	2,100	5,238	1,758	4	1
REX ENERGY	22132	CARROLL	WASHINGTON	BRACE UNIT 1	12879	159213	18786	119	
				TOTALS	12,879	159,213	18786	119	1
				TOTALS	635,876	12,831,292	681,689	7,672	85

APPENDIX III - COUNTY DRILLING DEPTH RECORDS - 2012									
COUNTY	TOWNSHIP	PERMIT NO.	OPERATOR	WELL NO.	LEASE NAME	COMPLETION DATE	TOTAL DEPTH	FORMATION AT TOTAL DEPTH	WELL CLASS
ADAMS	FRANKLIN	11	OXFORD OIL CO.	1	J. RUSSELL & M. TENER	07/07/79	3,886	GRANITE WASH	FWC
ALLEN	SPENCER	64	ALCO OIL CO.	2	POHLMAN, FRUEND, ETZ HORN	12/31/65	3,266	GRANITE	FWC
ASHLAND	LAKE	1762	ROY STEWART	1	KENNETH & REX MASHER	02/04/60	5,485	TREMPEALEAU	DPWC
ASHTABULA	NEW LYME	2272	POI ENERGY	1	LAUTANEN	09/01/85	7,124	GRANITE	DPWC
ATHENS	DOVER	3062	QUAKER STATE	2	MILLFIELD COAL & MINING	07/17/84	6,525	ROSE RUN	FWC
AUGLAIZE	ST. MARYS	71	WEST OHIO OIL & GAS	1	D. & B. HOELSCHER	12/05/70	3,067	GRANITE	DPWC
BELMONT	PEASE	611	DAVID R. HILL INC.	1	GEORGETOWN MARINE	12/06/10	13,727	GRANITE	DPWC
BROWN	STERLING	6	SPENCER PETROLEUM CORP.	1	GRIFFITH	03/13/93	3,350	GRANITE	FWC
BUTLER	LEMON	4	ARMCO STEEL CORP.	1	ARMCO STEEL CORP.	03/12/67	3,296	"MIDDLE RUN"	IWDW
CARROLL	LEE	2059	ANSCHUTZ EXPLOR. CORP.	1	WHITE	09/15/10	9,503	ROSE RUN	DPWC
CHAMPAIGN	WAYNE	20	INDUSTRIAL GAS ASSOC.	1	P. & C. HOFFMAN	06/26/78	3,325	MT. SIMON	FWC
CLARK	MADISON	D 2	T. D. FRIEND	1	MATTISON	06/14/26	4,647	PRE MT. SIMON	FWC
CLERMONT	STONELICK	3	CONTINENTAL OIL CO.	1	C. WIKOFF	07/03/60	3,435	MT. SIMON	FWC
CLINTON	WILSON	10	STOCKER & SITLER INC.	1	COY	01/18/83	3,603	GRANITE	FWC
COLUMBIANA	HANOVER	648	MANAGEMENT CON- TROL	3	F. MURRAY	07/28/70	10,242	GRANITE	DPWC
COSHOCTON	CRAWFORD	6397	LAKE REGION OIL INC.	2	LEVI M. TROYER	07/23/92	7,950	MT. SIMON	DPWC
CRAWFORD	VERNON	6	HAYNES O&G ENTERPRISES	1	DON D. CRUM	01/09/63	3,879	EAU CLAIRE	FWC
CUYAHOGA	MAYFIELD	1625	BASS ENERGY CO. INC.	1	MARCONI MEDICAL SYSTEMS	03/07/01	6,550	GRANITE	DPWC
DARKE	GREENVILLE	13 A	UNKNOWN	1	EDWARD BARNES	05/26/06	2,850	CAMBRIAN	FWC
DEFIANCE	MARK	28	S. E. BROWN	1	P. HAVER	10/22/62	3,606	MT. SIMON	FWC
DELAWARE	TRENTON	354	R.C. POLING CO. INC.	1	COCKRELL-GODSHALL UNIT	01/22/91	4,873	GRANITE	DPWC
ERIE	FLORENCE	19	SUN OIL CO.	1	A. HERMAN ETAL.	05/01/67	4,466	GRANITE	SWIW
FAIRFIELD	RUSH CREEK	1136	HOPEWELL O. & G. DEV. CO.	1	R. BIGHAM	06/16/94	5,924	GRANITE	DPWC
FAYETTE	UNION	1	KEWANEE OIL CO.	1	E. HOPKINS	07/12/57	4,708	GRANITE	FWC
FRANKLIN	PLEASANT	7	BARNWELL PRODUCING CO.	1	OAKHURST COUNTRY CLUB	08/08/64	3,753	MT. SIMON	FWC
FULTON	CHESTERFIELD	47	LIBERTY PETR. CORP.	1	CLYDE JOHNSTON	03/21/69	3,793	MT. SIMON	FWC
GALLIA	HARRISON	985	BAKERWELL INC.	1	JARRELL UNIT	03/24/04	7,146	TREMPEALEAU	FWC
GEAUGA	TROY	1534	LOMAK PETROLEUM	1	J. VOYTKO	07/01/88	6,888	TREMPEALEAU	DPWC
GREENE	ROSS	4	TATUM PETR. CO. LLC.	1	KELLY GREENE	08/17/10	3,347	GRANITE	FWC
GUERNSEY	WESTLAND	4067	DAVID R. HILL, INC.	1	DEVCO UNIT	03/16/08	8,897	GRANITE	DPWC
HAMILTON	CROSBY	1	CONTINENTAL OIL CO.	1	WALTER C. BRISBIN	11/01/59	2,730	EAU CLAIRE	FWC
HANCOCK	UNION	139	FRANK M. DEVER	1	C. & M. FRAZIER	06/02/64	3,017	GRANITE	FWC
HARDIN	DUDLEY	79	MCMAHON-BULLING- TON	1	WOLF	01/07/64	3,002	KNOX	FWC
HARRISON	GREEN	355	STOCKER & SITLER INC.	1	CHARLENE SCHANEY ETAL.	07/30/79	10,288	TREMPEALEAU	DPWC
HENRY	HARRISON	36	CALLANDER & KIMBREL	1	K. HALL	10/10/73	3,480	GRANITE	DPWC
HIGHLAND	FAIRFIELD	7	OHIO VALLEY OIL & GAS	1	COURTNEY	01/20/72	3,610	GRANITE	FWC
HOCKING	STARR	1222	E. J. DUNIGAN	1	M. & H. HOCKMAN	06/30/66	6,495	MT. SIMON	FWC
HOLMES	SALT CREEK	1283	G.C. & J.A. PARKER APPALACHIAN	1	DAN D. TROYER	11/12/63	7,369	TREMPEALEAU	FWC
HURON	WAKEMAN	103	EXPLOR. INC.	1	WOLF	10/05/81	4,574	GRANITE WASH	FWC
JACKSON	FRANKLIN	76	WORTHINGTON OIL CO.	1	G. & I. WOOD	07/08/64	6,320	GRANITE	FWC
JEFFERSON	WARREN	536	CHESAPEAKE EXPL., LLC	25-5-2	CREAMER	10/10/12	10,320	TRENTON	ST
KNOX	PIKE	1413	DAVID L. CANTWAY GREAT PLAINS EXPL.	1	E. CUNNINGHAM	08/07/61	5745	GRANITE	FWC
LAKE	LEROY	1094	LTD.	1	VROOMAN	01/24/04	6,355	GRANITE	DPWC
LAWRENCE	SYMMES	174	J. STANLEY GOLDBERG	1	A. PAYNE	04/01/66	7,002	GRANITE	FWC

APPENDIX III - COUNTY DRILLING DEPTH RECORDS - 2012 (page 2)									
COUNTY	TOWNSHIP	PERMIT NO.	OPERATOR	WELL NO.	LEASE NAME	COMPLETION DATE	TOTAL DEPTH	FORMATION AT T.D.	WELL CLASS
LICKING	PERRY	4792	RONALD F. MORAN	1	RON MORAN	03/08/84	6,237	GRANITE	SWIW
LOGAN	JEFFERSON	86	WORTHINGTON OIL CO.	1	LENA COMER	05/11/76	3,402	MT. SIMON	FWC
LORAIN	GRAFTON	1370	KENOIL/KEN R. MILLER	1	LAWRENCE PALL	08/24/91	5,018	TREMPEALEAU	DPWC
LUCAS	HARDING	60	LIBERTY PETR. CORP.	1	KETRING UNIT	08/24/72	3,915	GRANITE	FWC
MADISON	FAIRFIELD	3	AMERADA PETR. CORP.	1	J. HUME	11/01/65	3,631	GRANITE	FWC
MAHONING	BEAVER	3158	D & L ENERGY, INC.	4	NORTHSTAR LUCKY	10/21/11	10,088	GRANITE	SWIW
MARION	CLARIDON	8	UNITED PRODUCING	1	H. & M. MITCHELL	03/14/62	3,672	GRANITE	FWC
MEDINA	HINCKLEY	1143	WISER OIL CO.	1-A	F. L. SMITH	01/03/59	7,040	GRANITE	FWC
MEIGS	LEBANON	3651	MURPHY OIL CO.	3	M. MCKELVEY	02/10/09	9,082	TREMPEALEAU	DPWC
MERCER	CENTER	141	HARNER UNION OIL CO.	2	M. & M. YEWEY	02/09/71	3,215	GRANITE	DPWC
MIAMI	LOST CREEK	3	NATIONAL ASSOC. PETR.	1	E. WALKER	10/30/58	3,513	GRANITE	FWC
MONROE	OHIO	4305	PROTÉGÉ ENERGY II, LLC	1	DANGEL	01/18/12	10,980	TRENTON	ST
MONTGOMERY	MAD RIVER	D-2	DAYTON	М	DAYTON	01/1887	2,440	UNKNOWN	UNKN.
MORGAN	CENTER	4533	ARTEX OIL COMPANY	1	BICKFORD UNIT	08/20/05	8,222	ROSE RUN	DPWC
MORROW	PERRY	3737	STAR EXPL. CORP.	1	R. & W. BREWER	12/19/86	5,000	GRANITE	DPWC
MUSKINGUM	HIGHLAND	7959	CGAS EXPLORATION INC.	7-2108	G. VICKERS	07/07/97	7,316	TREMPEALEAU	DPWC
NOBLE	ELK	1278	AMERADA PETR. CORP.	1	R. ULLMAN	02/01/67	11,442	GRANITE	DPWC
OTTAWA	CARROLL	50	FRED E. FITZGERALD	1	RAYMOND ARNDT	08/07/68	2,287	ST. PETER	FWC
PAULDING	JACKSON	13	MT. PLEASANT MINES LTD.	1	H. & E. AREND	10/30/76	3,440	GRANITE	FWC
PERRY	JACKSON	6595	R.C. POLING CO. INC.	1	RUSH CREEK PARTNERS, ETAL.	04/20/85	6,395	GRANITE	SWIW
PICKAWAY	PICKAWAY	24	RAMCO OIL & GAS CORP.	1	M. KERNS	01/17/85	4,500	GRANITE	FWC
PIKE	BEAVER	1	FRANK D. STAHLER	1	R. BAPST	06/14/50	4,227	ST. PETER?	FWC
PORTAGE	DEERFIELD	2860	VIKING RESOURCES CORP.	1	VIKING RESOURCES CORP.	05/24/82	8,800	GRANITE WASH	DPWC
PREBLE	WASHING- TON	D-3	DOC TOLLIVER	3	A. H. CHRISTMAN	06/01/29	1,750	ST. PETER	FWC
PUTNAM	LIBERTY	31	OHIO OIL CO.	1	L. BARLAGE	03/21/44	3,377	GRANITE	FWC
RICHLAND	WASHING- TON	431	TRI STATE PRODUCING CO.	2	C. & K. SCOTT	09/05/66	5,503	GRANITE	DPWC
ROSS	GREEN	8	WELL SUPERVISION INC.	1	M. IMMELL	08/24/64	4,168	MT. SIMON	FWC
SANDUSKY	TOWNSEND	77	EAST OHIO GAS CO.	2	V. & I. HAFF	11/17/60	3,128	GRANITE	FWC
SCIOTO	GREEN	212	USS CHEMICALS/US STEEL	1	USS CHEMICALS/US STEEL	07/05/68	5,617	GRANITE	IWDW
SENECA	ADAMS	128	ASHLAND OIL	1	W. STIGAMIRE	01/24/65	3,175	MT. SIMON	FWC
SHELBY	SALEM	13	GUMP OIL CO.	1	J. & B. FOGY	11/10/56	3,360	GRANITE	FWC
STARK	PARIS	5052	VIKING RESOURCES CORP.	1	HANNA UNIT	09/02/97	8,292	ROSE RUN	POOL
SUMMIT	TWINSBURG	1591	K.S.T. OIL & GAS CO.	5	K.S.T. OIL & GAS CO.	07/18/84	7,225	GRANITE WASH	SWIW
TRUMBULL	LIBERTY	4043	D & L ENERGY, INC.	2	NORTHSTAR UNITED	08/21/11	9,038	GRANITE	SWIW
TUSCARAWAS	OXFORD	5465	RED HILL DEVELOP- MENT	1	GENERAL CLAY	01/23/11	8,720	GRANITE	DPWC
UNION	DOVER	69	FUNK EXPLORATION	1	YODER	08/15/84	3,500	GRANITE	FWC
VAN WERT	JENNINGS	44	WEST OHIO GAS CO.	5	A. & M. MILLER	01/05/73	3,242	GRANITE	DPWC
VINTON	VINTON	924	COLUMBIA NAT. RES. INC.	723984	MORRIS	03/25/00	5,700	TREMPEALEAU	FWC
WARREN	WAYNE	C-2627	OHIO GEOLOGICAL SURVEY	DS 2	AMERICAN AGGREGATES CORP.	04/26/89	5,380	"MIDDLE RUN"	CORE
WASHINGTON	GRANDVIEW	9717	FLAT ROCK DEV. LLC	19	COLLINS	10/17/12	10,220	TRENTON	ST
WAYNE	CHIPPEWA	71	EAST OHIO GAS CO.	2	N. STEINER	08/12/61	6,919	GRANITE	DPWC
WILLIAMS	BRIDGEWATER	46	COLUMBIA GAS TRANS.	11061	соок	12/31/71	4,497	GRANITE WASH	FWC
WOOD	LIBERTY	D-6	J. S. BRAILEY	1	S. KILLIAN	08/25/37	2,927	GRANITE	DPWC
WYANDOT	JACKSON	D-8	DIBBLE & MILLER	1	P. PARSELL	03/07/47	5,632	GRANITE	FWC

DIVISION OF OIL AND GAS RESOURCES MANAGEMENT REGIONAL OFFICES AND CONTACTS



CENTRAL OFFICE

2045 Morse Rd. Bldg. F Columbus, OH 43229 P: (614) 265-6922 F: (614) 265-6910

NORTHWEST REGION

Mount Vernon Office

116 East High St. Mount Vernon, OH 43050 P: (740) 392-4499 F: (740) 393-6705

NORTHEAST REGION

Uniontown Office

3575 Forest Lake Dr., Ste. 150 Uniontown, OH 44685 P: (330) 896-0616 F: (330) 896-1849

SOUTHWEST REGION

Lebanon Office

505 South S.R. 741 Lebanon, OH 45036 P: (513) 933-6717 (513) 933-6718 F: (513) 933-9245

Jackson Office

34 Portsmouth St. Jackson, OH 45640 P: (740) 286-6411 F: (740) 286-1868

SOUTHEAST REGION

Zanesville Office

5880 Memory Rd. Zanesville, OH 43701 P: (740) 588-0631 F: (740) 588-0659

New Philadelphia Office

2207 Reiser Ave. SE New Philadelphia, OH 43701 P: (330) 308-0007 F: (330) 308-0011















Ohio Department of Natural Resources
DIVISION OF OIL & GAS RESOURCES MANAGEMENT
2045 Morse Rd., Bldg. F-2 • Columbus, OH 43229-6693
oilandgas.ohiodnr.gov