TRENTON-BLACK RIVER ACTIVITY

Record Gas Production for 2004

In just the five years between 1999 and 2004 Trenton-Black River production has risen from 19% to 75% of New York's natural gas production. Between 2003 and 2004 the number of producing Trenton-Black River wells grew 28% from 50 to 64 and the number of fields rose 43% from 14 to 20.

Top Trenton-Black River Producers

In 2004 Fortuna Energy was New York's top Trenton-Black River producer with a total of 33.2 bcf of natural gas. Fortuna also owned all top 10 Trenton-Black River producing wells. Fortuna's Reed #1 well produced 6.5 bcf, in just 9 months far surpassing any other well in the State, and almost double the top well for 2003.

Columbia Natural Resources (CNR) remained the State's second largest Trenton-Black River producer with 3.7 bcf. Great Lakes Energy Partners was in third place with 2.7 bcf.

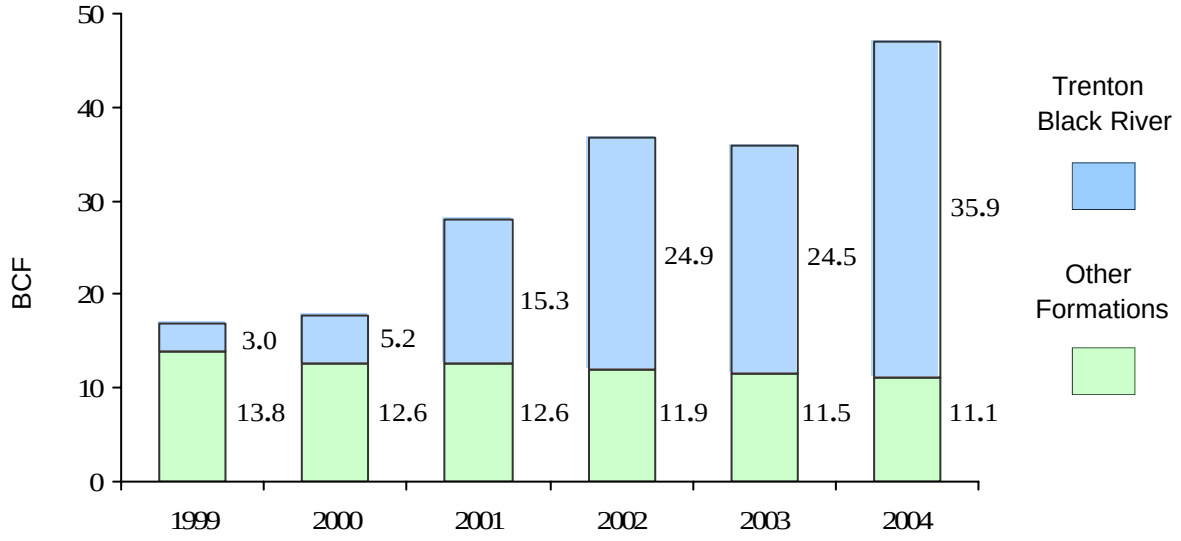
Quackenbush Hill replaced Wilson Hollow as the top producing Trenton-Black River field with the highest 2004 production (20.89 bcf), as well as the highest cumulative production (43.4 bcf). For further information on Trenton-Black River fields see Tables 3-6.

Drilling and Production Areas

Trenton-Black River permitting activity continued to climb in 2004. The Division issued 51 drilling permits to 8 different operators for 12 counties; 41 wells were drilled in 2004.

Trenton-Black River production occurred in 5 counties: Steuben, Chemung, Schuyler, Yates and Broome counties. However, the top 10 producing wells and fields were concentrated almost exclusively in Steuben and Chemung.

Chart 2 - Producing Source Formation for NY Natural Gas, 1999-2004



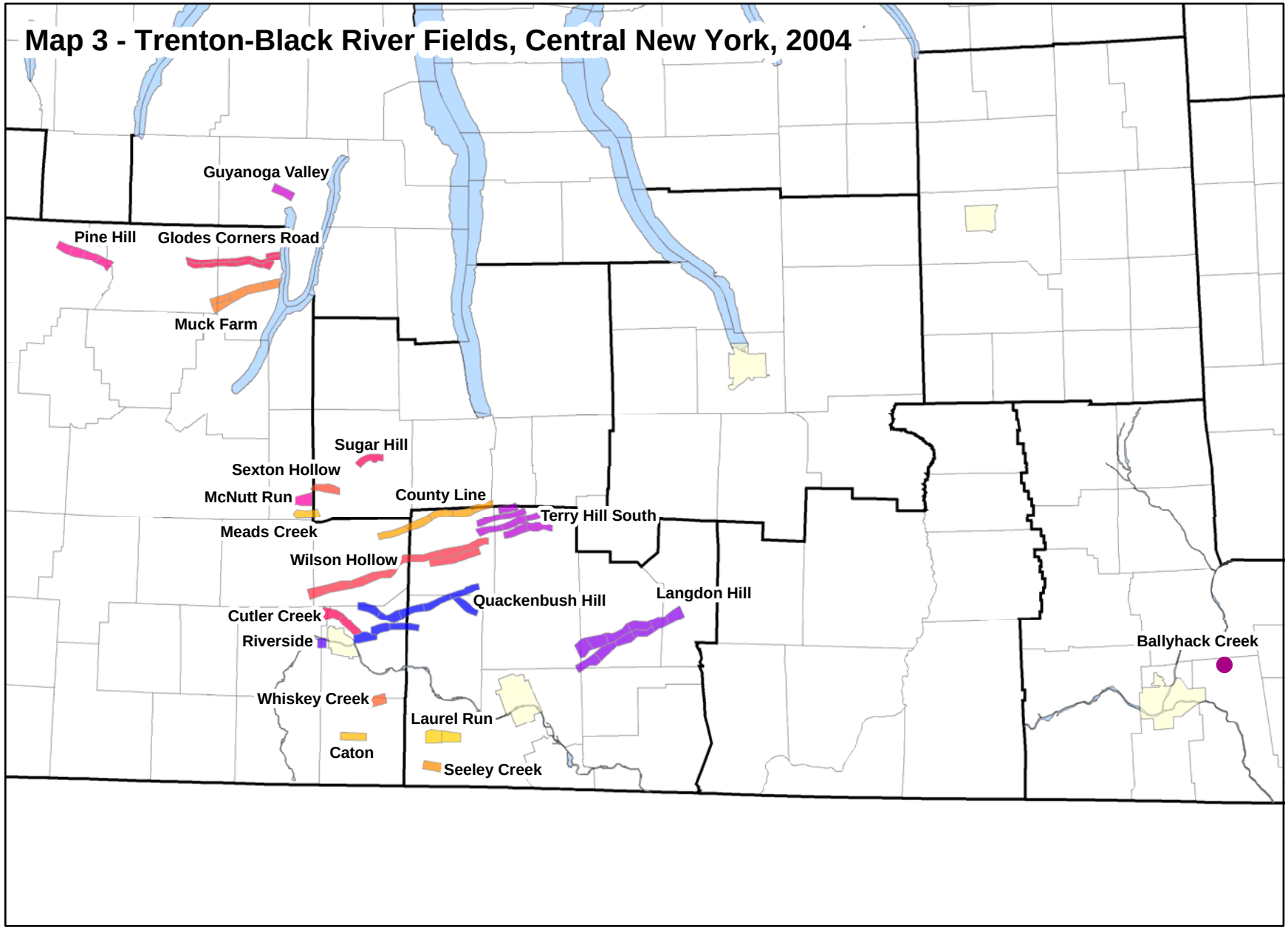

Map 3 - Trenton-Black River Fields, Central New York, 2004
Guyanoga Valley
Pine Hill
Glodes Corners Road
Muck Farm
Sugar Hill
Sexton Hollow
McNutt Run
County Line
Terry Hill South
Meads Creek
Wilson Hollow
Quackenbush Hill
Langdon Hill
Cutler Creek
Riverside
Ballyhack Creek
Whiskey Creek
Laurel Run
Caton
Seeley Creek

Table 3 - Top Ten Wells Trenton-Black River Production, 2004*				
Well Name*	**2004 Production (bcf)**	**Cumulative Production Year-End 2004**	**County**	**Field Name**
Reed 1	6.47	6.47	Steuben	Quackenbush
Lovell 1323	3.32	15.25	Chemung	Quackenbush
Hakes 1	2.91	2.91	Steuben	Quackenbush
Henkel 1359-A	2.77	6.45	Steuben	Quackenbush
Andrews 1	2.50	2.50	Steuben	Quackenbush
Parker 1401	1.48	6.43	Chemung	Wilson Hollow
Rhodes 1322	1.13	4.73	Chemung	Quackenbush
Gregory 1446-A	1.08	1.08	Chemung	Quackenbush
Harndon 1	1.01	1.01	Steuben	Whiskey Creek
Howe 1300-A	0.99	6.24	Steuben	Wilson Hollow

* For API Well Numbers see Table 5

Table 4 - Top Ten Fields Trenton-Black River Production, 2004*				
Field Name	**2004 Production (bcf)**	**Number of Wells***	**First Year of Production**	**Cumulative Production Year-End 2004**
Quackenbush Hill	20.89	9	2000	43.43
Wilson Hollow	5.78	10	1999	31.01
Langdon Hill	1.28	5	2001	2.11
Terry Hill South	1.26	5	2001	7.08
Cutler Creek	1.14	2	2001	3.49
Whiskey Creek	1.01	1	2003	1.04
Seeley Creek	0.87	1	2004	0.87
Muck Farm	0.82	4	2000	7.26
Glodes Corner Road	0.49	12	1996	9.28
Meads Creek	0.48	1	2004	0.48

* Excludes shut-in wells

Table 5 - Detailed Cumulative Production to Year-End 2004, Trenton-Black River

Field and Wells	API Number	Months Production	Production 2004 (mmcf)	Production Total (mmcf)
Quackenbush Hill Field				
Lovell	31015228310000	49	3,323	15,250
Rhodes	31015228530000	43	1,131	4,729
Henkel	31101228710100	42	2,767	6,451
Hartman	31101228920100	40	638	2,395
Gregory	31015229180100	31	1,078	2,651
Andrews	31101230380000	10	2,504	2,504
Reed	31101230550000	9	6,475	6,475
Hakes	31101230540000	8	2,914	2,914
Soderblom	31015231340000	1	61	61
Hepfner	31015230280000	0	0	0
		Field Totals	**20,891**	**43,430**
Wilson Hollow Field				
Jimerson	31101227710000	62	655	4,369
Howe	31101228140100	54	999	6,242
Rice	31101228250000	51	90	622
VanVleet	31101228520000	46	481	2,349
Fratercangelo	31101228840100	39	294	2,940
Parker	31015228910000	35	1,481	6,431
Hardy	31015229190100	35	241	1,520
Lederer	31015229020100	35	164	884
Chemung SRA #1	31015229600000	31	795	2,787
Root	31015229750000	27	585	2,863
Apenowich	31101230590000	0	0	0
		Field Totals	**5,785**	**31,007**
Glodes Corner Rd. Field				
Gray	31101215920000	108	26	880
Evangelos	31101194970000	96	11	193
Levandowski	31101216880000	86	39	1,067
Covert 1	31010216890100	86	9	1,013
Pizura	31101216920000	86	9	766
Fox	31101217060000	84	62	980
Smith	31101217050000	84	59	1,035
Bergstresser	31101217100000	84	28	915

Field and Wells	API Number	Months Production	Production 2004 (mmcf)	Production Total (mmcf)
Glodes (continued)				
Kozak	31101217120000	83	2	60
Radigan	31101217030100	69	58	585
Covert 2	31101227680000	60	117	973
Ballam-Carter	31101227690000	50	72	820
Egresi	31101227720000	0	0	0
		Field Totals	**492**	**9,287**
Muck Farm				
Snyder	31101227550000	52	447	3,078
McAllister	31101227480000	52	216	2,425
Smith	31101227470000	52	107	1,101
Faber	31101227450000	52	52	655
		Field Totals	**822**	**7,259**
Terry Hill South				
Lant 1	31015228620000	46	250	1,964
Kimball	31015228570000	41	602	2,387
Broz	31015228260000	41	59	808
Clauss	31015228890100	39	71	616
Kienzle	31015228800100	37	274	1,311
Hammond	31015230170000	0	0	0
Gublo	31015229100000	0	0	0
		Field Totals	**1,256**	**7,086**
Cutler Creek				
Corning Game Club	31101228850000	42	673	3,030
Moss	31101231000000	3	468	468
		Field Totals	**1,141**	**3,498**
Langdon Hill				
Monahan	31015228380000	43	155	864
Usack	31015229330000	28	120	249
Konstantinides	31015230230000	9	363	363
Schmidt 1A	31015229110100	6	468	468
Davies	31015231040100	3	171	171
		Field Totals	**1,277**	**2,115**

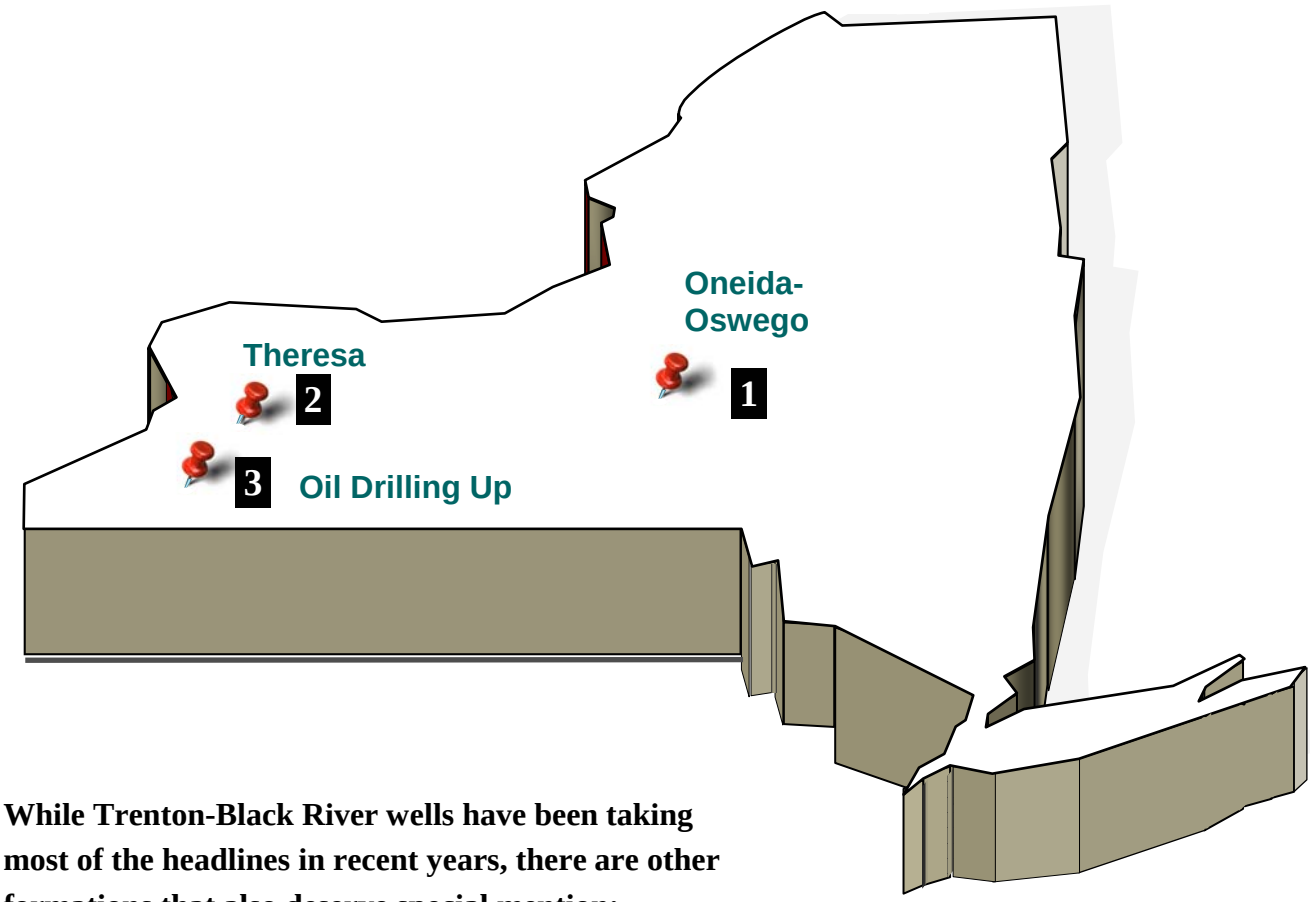
Field and Wells	API Number	Months Production	Production 2004 (mmcf)	Production Total (mmcf)
County Line				
Whiteman	31015228390000	39	162	485
Roy	31015229010000	34	90	274
Purvis	31097228930000	30	154	587
Youmans	31101229760000	0	0	0
		Field Totals	**406**	**1,346**
Sugar Hill				
SRA 2 - 1	31097228410000	26	137	1,076
		Field Totals	**137**	**1,076**
Whiskey Creek				
Harndon 1	31101230400000	13	1,015	1,038
		Field Totals	**1,015**	**1,038**
Seeley Creek				
Curren	31015230760000	10	872	872
		Field Totals	**872**	**872**
Meads Creek				
Schuyler SRA 3-1	31097230720000	3	477	477
		Field Totals	**477**	**477**
Pine Hill				
Peck	31101227660000	50	34	191
S&D Farms 1	31101227580100	50	8	60
Wolcott	31101227600100	48	46	224
S&D Farms 1B	31101227590200	0	0	0
		Field Totals	**88**	**475**
Sexton Hollow				
Grand Prix 1	31097228300000	4	459	459
		Field Totals	**459**	**459**
Riverside				
Pace	31101229580000	6	377	377
		Field Totals	**377**	**377**

Field and Wells	API Number	Months Production	Production 2004 (mmcf)	Production Total (mmcf)
Ballyhack Creek				
Beagell 2 A	31007229950100	22	86	340
Butkowsky	31007230560100	0	0	0
		Field Totals	**86**	**340**
Guyanoga Valley				
Walters	31123227750100	17	248	330
		Field Totals	**248**	**330**
Caton Field				
Maxwell 1B	31101229630200	15	12	33
		Field Totals	**12**	**33**
McNutt Field				
SRA 3-2	31101231010000	2	24	24
		Field Totals	**24**	**24**
Laurel Run				
Harvey	31015230970000	1	4	4
		Field Totals	**4**	**4**
		Total Trenton-Black River Production to 2004		**110,533**

Table 6 - New Trenton-Black River Fields Not Producing by Year-End

Field	Well	API Number	Discovery Date
Beans Station	Gray	31101229490000	6/24/02
Cooper Hill	Sekella	31015231460000	1/18/05
Rayner Field	Gillis	31101231110000	11/8/04
South Corning	Eolin	31101231050000	10/12/04
West River	Bay 1B	31069229850200	6/18/04
Zimmer Hill	Drumm	31101231540000	1/18/05

Other Formations of Interest



While Trenton-Black River wells have been taking most of the headlines in recent years, there are other formations that also deserve special mention:

1 **Oneida-Oswego Discovery** - Nornew's Bradley Brook Field in Madison County produced over 185 mmcf of gas in 2004 from 13 Oneida-Oswego sandstone wells drilled 1997-2004. In 2004 Nornew also applied for 5 drilling permits for the Oneida formation in nearby Chenango County.

2 **Theresa Sandstone Discoveries -** The 2 wells in Ardent Resources' Bockhahn Field in Erie County (drilled 2003-4) produced over 105 mmcf of gas in 2004 and DEC issued the company a permit for a third well. In Cattaraugus County Stedman Energy completed drilling the Cagwin well in late 2004 and was evaluating the well at year's end. Interest in the Theresa formation is growing with the acquisition of new seismic information; the Theresa will see a drilling increase as additional prospects are identified.

3 **Oil Well Drilling Activity** - In 2004 the average price of a barrel of oil was over $31.00 for the first time since 1982 and industry responded with increased drilling. Operators applied for 52 oil well permits primarily for western New York, an increase of 14 from 2003. The Bradford, Chipmunk and Richburg all produce oil along with many other shallow Devonian formations.

Table 7 - Production by Geologic Formation, 2004

Formation	Wells	Gas	Oil
Devonian Shale	26	28,152	0
Canadaway*	2,475	18,602	100,465
Perrysburg	793	158,739	43,023
Tully	10	24,579	0
Hamilton	4	0	0
Marcellus	8	2,933	0
Onondaga	56	214,900	6,575
Oriskany	21	56,079	148
Helderberg	5	58,425	0
Akron	23	15,285	13
Medina	5,299	8,544,121	2,839
Bass Island	55	92,987	7,559
Queenston	462	1,434,704	0
Herkimer	5	52,435	0
Oneida-Oswego	16	211,536	0
Trenton	4	100	0
Black River	64	35,869,034	0
Little Falls	1	11,396	0
Theresa	6	122,062	0
Other	19	17,120	761

* Undifferentiated Canadaway Group includes Glade, Richburg, Bradford and other well-known oil producing formations

To see a stratigraphic column of New York's geologic formations go to http://www.dec.state.ny.us/website/dmn/southstrat.htm

DRILLING PERMITS AND WELL COMPLETIONS

Drilling Permits

DEC issued 210 drilling permits in 2004, a 12-year record. The high price for oil and natural gas spurred the drilling increase seen in New York and the nation as a whole.

In 2004 DEC issued 133 gas, 52 oil, 9 brine, 14 geothermal and 2 stratigraphic wells. While a small part of the total, the 14 geothermal permits represent a record for that category.

In 2004 DEC issued permits for wells in 24 counties; the top 3 were Cattaraugus (46), Steuben (23), and Chautauqua County (22). Most of the oil drilling permits were issued for Cattaraugus (34) and Steuben (8) counties. Chautauqua (21) and Seneca counties (18) had the highest number of gas permits. Over the last decade the total number of counties listed on drilling permits in a single year has more than doubled.

Well Spuds and Completions

The number of wells spud (started) in 2004 rose to 181, a level not seen since the first Persian Gulf War. In 2004, 70 gas wells and 56 oil wells were completed with a total number of 188 wells of all types completed.

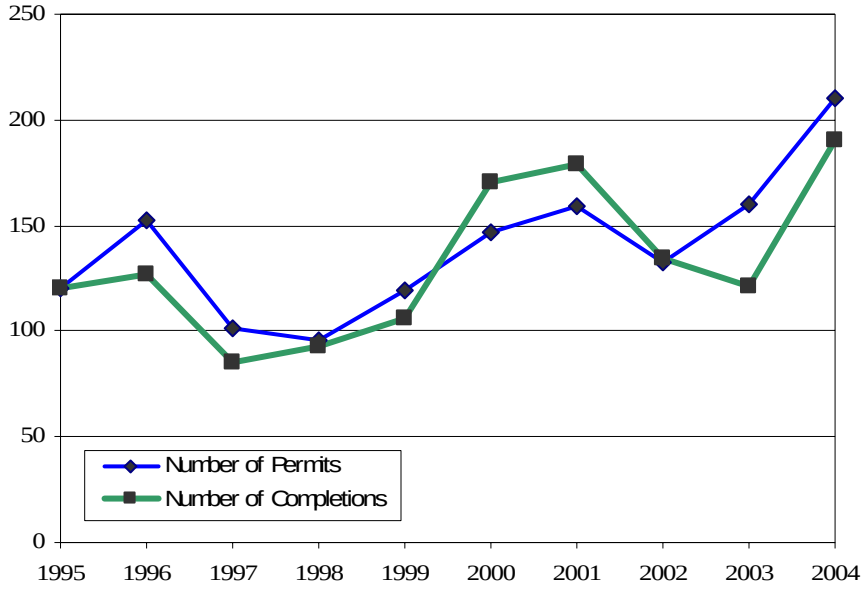
Formations Permitted

Interest in the Ordovician age carbonates of central New York remained strong during 2004 with 51 Trenton-Black River permits issued in 2004 compared to 38 in 2003.

For Details on 2004 Drilling Permits go to

http://www.dec.state.ny.us/website/dmn

Chart 3 - Drilling Permits and Completions, 1994 - 2004



Drilling Permits, 2004

Gas:	133
Oil	52
Other	25
Total	**210**

Well Completions, 2004

Gas:	70
Oil	56
Other	62
Total	**188**

Table 8 - Drilling Permits by Well Type, 2004

County	Gas Well	Oil Well	Gas Storage	Brine Well	Strati-graphic	Geo-thermal	Total
Allegany		9					9
Bronx						1	1
Broome	3						3
Cattaraugus	12	34					46
Cayuga	3						3
Chautauqua	21	1					22
Chemung	15						15
Chenango	5						5
Cortland	3						3
Erie	6						6
Genesee	2						2
Livingston	4			7			11
Madison	3						3
New York					2	13	15
Oneida	1						1
Ontario	1						1
Schuyler	4						4
Seneca	18						18
Steuben	15	8					23
Tioga	4						4
Tompkins	2						2
Wayne	3						3
Wyoming	4			2			6
Yates	4						4
Total	133	52	0	9	2	14	210

Well Site Tanks

Temporary storage tanks may be used at well sites during both drilling and completion. They may hold brine, mud or freshwater used to lubricate the drill bit and carry away pulverized rock. During the completion stage they may hold make-up water for treatments that improve well production, or the tanks may hold the wastewater that flows back after the treatment is completed.

OIL & GAS WILDCATS AND FIELD EXTENSIONS

Wildcats

In 2004, 53 wildcats were drilled in New York State. The majority of the wildcats (70%) were drilled to the Trenton-Black River featured in the previous section of this report. However, wildcats were also drilled targeting the Theresa, Trenton, Queeston, Oneida, Clinton, Potsdam and Oriskany formations.

Codes for Tables 9 & 10
Pages 25-30

GW	Gas Wildcat (proposed)
GE	Gas Extension (proposed)

In 2004 the deepest wildcat, Strouse 1, was a Trenton-Black River well drilled in Chemung County to a true vertical depth of 11,747 feet. Chemung County was also the site of the deepest wildcat in 2003.

Compared to the previous year, the number of wildcats in 2004 increased by 51% and the geographic extent of wildcat activity increased also. Wildcat drilling took place from Erie County on the west to Delaware County on the east, a distance of approximately 170 miles.

In January 2004 Resource America Inc. drilled the Grant 6 well in Delaware County to a total depth of 5,140 feet in the Clinton formation. The company deemed the well non-commercial after four unsuccessful attempts to complete it. The Grant 6 was the first drilling activity in Delaware County since 1988 when Cabot Oil & Gas Corporation drilled the Grant 1-A, which was also unsuccessful.

Field Extensions

In 2004, 19 field extensions were drilled in New York State, up 375% from the 4 extensions drilled in 2003. Eleven of 2004's field extensions were Trenton-Black River wells drilled in three fields (Quakenbush Hill, Terry Hill South and Langdon Hill) and 3 unnamed fields in Broome, Schuyler and Steuben Counties. Five Queenston field extensions and 1 Theresa field-extension were also drilled in 2004.

Directional Drilling Assembly

This Schlumberger directional assembly was photographed at Fortuna Energy's Drumm #1 well in Steuben County, a wildcat well listed on page 27 in the following table.

The equipment's ability to navigate while the well is being drilled allows the operator to control the direction of the wellbore. This type of tool is used to drill horizontal or directional wells.

Table 9 - Wildcats Drilled to True Vertical Depth (TVD) in 2004

County/ Town	Company	API Number	Well Name	TVD Feet	TD Date	Well Type	Field	Objective Formation
Broome								
Maine	Phillips Production Co.	31007230320000	Pond 1	8,990	4/22/04	GW	Not Applicable	Black River
Maine	Phillips Production Co.	31007230320100	Pond 1A	9,018	4/29/04	GW	Not Applicable	Black River
Nanticoke	Phillips Production Co.	31007230300000	Manwaring 1	8,956	6/8/04	GW	Not Applicable	Black River
Cattaraugus								
Freedom	Stedman Energy, Inc.	31009235340000	Bixby Hill 1	6,859	11/18/04	GW	Not Applicable	Theresa
Yorkshire	Stedman Energy, Inc.	31009235450000	Cagwin 1	6,412	10/28/04	GW	Cagwin	Theresa
Cayuga								
Venice	Hensoil, Inc.	31011616190000	Rejman 1S	3,572	11/5/04	GW	Not Applicable	Black River
Chemung								
Elmira	East Resources, Inc.	31015231730000	Hartman 1	10,670	12/16/04	GW	Not Applicable	Black River
Erin	Columbia Natural Resources	31015229110100	Schmidt 624537-A	10,000	2/7/04	GW	Langdon Hill	Black River
Erin	Columbia Natural Resources	31015231040000	Davies (624538) 1	10,218	5/10/04	GW	Not Applicable	Black River
Southport	Fortuna Energy, Inc.	31015230970000	Harvey 1	11,453	4/5/04	GW	Laurel Run	Black River
Southport	East Resources, Inc.	31015231140000	Strouse 1	11,747	6/18/04	GW	Not Applicable	Black River
Van Etten	Fortuna Energy, Inc.	31015231460000	Sekella 1	9,909	10/26/04	GW	Cooper Hill	Black River
Chenango								
Plymouth	Nornew, Inc.	31017231630000	Diehl 1-448	4,192	10/26/04	GW	Not Applicable	Oneida

Table 9 - Wildcats Drilled to True Vertical Depth (TVD) in 2004, (continued)

County/ Town	Company	API Number	Well Name	TVD Feet	TD Date	Well Type	Field	Objective Formation
Chenango (Continued)								
Smyrna	Nornew, Inc.	31017231370000	Thompson 1-442	4,275	7/21/04	GW	Not Applicable	Oneida
Smyrna	Nornew, Inc.	31017231640000	Hare 1	4,138	11/4/04	GW	Not Applicable	Oneida
Cortland								
Virgil	Columbia Natural Resources	31023230350200	Sega 1-B	7,522	10/6/04	GW	Not Applicable	Black River
Delaware								
Franklin	Resource America, Inc.	31025210700000	Grant 6	5,600	1/19/04	GW	Not Applicable	Clinton
Madison								
Stockbridge	Ardent Resources, Inc.	31053230910000	Green 1	3,750	4/23/04	GW	Not Applicable	Potsdam
Stockbridge	Ardent Resources, Inc.	31053230980000	Meeker 1	3,658	2/3/04	GW	Not Applicable	Potsdam
Oneida								
Vernon	Ardent Resources, Inc.	31065230900000	Wagner 1	2,660	2/9/04	GW	Not Applicable	Potsdam
Ontario								
Hopewell	Columbia Natural Resources	31069229430100	Stoddard (624633) 1A	3,001	7/10/04	GW	Not Applicable	Black River
Oswego								
Palermo	Seneca Resources Corp.	31075230700000	Loomis-1 37628	2,460	3/29/04	GW	Not Applicable	Black River
Schroeppel	Seneca Resources Corp.	31075230710000	Huntley-1 37627	2,690	3/12/04	GW	Not Applicable	Black River
Schroeppel	Seneca Resources Corp.	31075230770000	Phinney-1 37626	2,278	4/4/04	GW	Not Applicable	Black River

Table 9 - Wildcats Drilled to True Vertical Depth (TVD) in 2004, (continued)

County/ Town	Company	API Number	Well Name	TVD Feet	TD Date	Well Type	Field	Objective Formation
Schuyler								
Catharine	Fortuna Energy, Inc.	31097229350200	Wonderview Farms 1-B	8,340	4/2/04	GW	Not Applicable	Black River
Orange	Fortuna Energy, Inc.	31097230720000	SRA3 1	9,323	3/20/04	GW	Meads Creek	Black River
Orange	Fortuna Energy, Inc.	31097230860000	Towner 1	8,865	6/12/04	GW	Not Applicable	Black River
Reading	EOG Resources, Inc	31097231590000	Anderson 1	5,365	11/19/04	GW	Not Applicable	Queenston
Seneca								
Junius	Great Lakes Energy Partners	31099231310000	Brigham 1	4,237	12/1/04	GW	Not Applicable	Black River
Junius	Great Lakes Energy Partners	31099231530000	Shaup 1	4,182	11/21/04	GW	Not Applicable	Black River
Junius	Great Lakes Energy Partners	31099231780000	Serven 1	4,182	12/11/04	GW	Not Applicable	Trenton
Tyre	Great Lakes Energy Partners	31099231740000	Patsos 1	4,115	12/22/04	GW	Not Applicable	Trenton
Steuben								
Bradford	Fortuna Energy, Inc.	31101231010000	Steuben Reforestation 3 2	9,152	5/19/04	GW	McNutt Run	Black River
Bradford	Fortuna Energy, Inc.	31101231540000	Drumm 1	9,405	11/21/04	GW	Zimmer Hill	Black River
Cameron	Kelly Oil and Gas, Inc.	31101231330000	Crooks 1	4,143	6/16/04	GW	Not Applicable	Oriskany
Campbell	Fortuna Energy, Inc.	31101230590000	Apenowich 1	9,613	1/20/04	GW	Not Applicable	Black River

Table 9 - Wildcats Drilled to True Vertical Depth (TVD) in 2004, (continued)

County/ Town	Company	API Number	Well Name	TVD Feet	TD Date	Well Type	Field	Objective Formation
Steuben (Continued)								
Caton	Fortuna Energy, Inc.	31101231100000	Gillis 1	11,257	8/5/04	GW	Rayner	Black River
Corning	Fortuna Energy, Inc.	31101231050000	Eolin 1	9,992	5/11/04	GW	South Corning	Black River
Erwin	Fortuna Energy, Inc.	31101230850000	Erwin WMA 1	9,797	7/12/04	GW	Not Applicable	Black River
Erwin	Fortuna Energy, Inc.	31101231500000	TLT 1	9,405	12/18/04	GW	Not Applicable	Black River
Jasper	Kelly Oil and Gas, Inc.	31101231230000	Wade 1	4,560	7/7/04	GW	Not Applicable	Oriskany
Jasper	Kelly Oil and Gas, Inc.	31101231380000	Kent 1	4,450	6/29/04	GW	Not Applicable	Oriskany
Troupsburg	Nadel and Gussman, L.L.C.	31101231650000	Retherford 1	4,725	10/20/04	GW	Card School	Oriskany
Urbana	Cabot Oil & Gas Corp.	31101231510000	McDaniels 1	8,154	12/29/04	GW	Not Applicable	Black River
Tioga								
Oswego	Phillips Production Co.	31107231160000	Olin 1	10,174	7/26/04	GW	Not Applicable	Black River
Owego	Columbia Natural Resources	31107231160100	Olin 1-A (625488-A)	9,942	8/29/04	GW	Not Applicable	Black River
Tioga	Columbia Natural Resources	31107229740000	TGS Holdings 624831	10,340	10/15/04	GW	Not Applicable	Black River
Tompkins								
Enfield	Columbia Natural Resources	31109229980300	Stevenson 1-C (625359)	7,717	10/26/04	GW	Not Applicable	Black River
Enfield	Columbia Natural Resources	31109229980400	Stevenson 1-D (625359)	8,033	11/03/04	GW	Not Applicable	Black River

Table 9 - Wildcats Drilled to True Vertical Depth (TVD) in 2004, (continued)

County/ Town	Company	API Number	Well Name	TVD Feet	TD Date	Well Type	Field	Objective Formation
Yates								
Milo	Columbia Natural Resources	31123231360000	Zimmerman 624088	5,770	8/17/04	GW	Not Applicable	Black River
Milo	Columbia Natural Resources	31123231360100	Zimmerman 1A (624008-A)	6,523	8/29/04	GW	Not Applicable	Black River
Starkey	Columbia Natural Resource	31123229410100	Boudinot 623968-A	6,050	6/25/04	GW	Not Applicable	Trenton
Starkey	Columbia Natural Resources	31123229410101	Boudinot 623968-A	6,889	6/25/04	GW	Not Applicable	Trenton

Table 10 - Field Extensions Drilled to True Vertical Depth (TVD) in 2004

County/ Town	Company	API Number	Well Name	TVD Feet	TD Date	Well Type	Field	Objective Formation
Broome								
Fenton	Belden & Blake Corporation	31007230780000	Olson 1	9,631	3/2/04	GE	Not Applicable	Black River
Fenton	Columbia Natural Resources	31007230780100	Olson 1-A	9,536	3/12/04	GE	Not Applicable	Black River
Chemung								
Big Flats	Fortuna Energy, Inc.	31015231340000	Soderblom 1	9,695	9/13/04	GE	Quackenbush Hill	Black River
Catlin	Fortuna Energy, Inc.	31015230170000	Hammond 1	9,417	3/18/04	GE	Terry Hill South	Black River
Erin	Columbia Natural Resources	31015231040001	Davies (624538) 1	10,245	5/10/04	GE	Langdon Hill	Black River
Erin	Columbia Natural Resources	31015231040100	Davies (624538) 1A	10,265	5/11/04	GE	Langdon Hill	Black River
Erin	Columbia Natural Resources	31015231560000	Meade (625477) 1	10,030	11/30/04	GE	Langdon Hill	Black River

Table 10 - Field Extensions Drilled to True Vertical Depth (TVD) in 2004, (continued)

County/ Town	Company	API Number	Well Name	TVD Feet	TD Date	Well Type	Field	Objective Formation
Erie								
Sardinia	Ardent Resources, Inc.	31029235510000	Bockhahn G 1	6,063	6/3/04	GE	Bockhahn	Theresa
Madison								
Lebanon	Nornew, Inc.	31053231260000	Wedge 2-353	3,132	8/1/04	GE	Not Applicable	Oneida
Schuyler								
Dix	EOG Resources, Inc	31097231520000	WGI 3	9,120	12/20/04	GE	Not Applicable	Black River
Orange	Fortuna Energy, Inc.	31097228290100	Grand Prix 1-A (624065)	8,616	5/9/04	GE	Not Applicable	Black River
Seneca								
Fayette	Columbia Natural Resources	31099212860000	Jensen 1160-1	2,125	11/2/04	GE	Fayette-Waterloo	Queenston
Junius	Great Lakes Energy Partners	31099231770000	J & B Laird 1	1,652	11/17/04	GE	Not Applicable	Queenston
Seneca Falls	Great Lakes Energy Partners	31099231250000	Lott 2	1,972	8/12/04	GE	Not Applicable	Queenston
Seneca Falls	Great Lakes Energy Partners	31099231280000	Proper-Olsowske 2	1,954	8/25/04	GE	Fayette-Waterloo	Queenston
Seneca Falls	Great Lakes Energy Partners	31099231400000	Sauder-Lott 1	1,897	10/26/04	GE	Fayette-Waterloo	Queenston
Steuben								
Corning	Fortuna Energy, Inc.	31101230540000	Hakes 1	10,107	1/23/04	GE	Quackenbush Hill	Black River
Corning	Fortuna Energy, Inc.	31101230550000	Reed 1	9,883	1/10/04	GE	Quackenbush Hill	Black River
Corning	Fortuna Energy, Inc.	31101231000000	Moss 1	9,474	5/17/04	GE	Cutler Creek	Black River