

Department of Environmental Conservation

Division of Mineral Resources

**New York State
Oil, Gas
and
Mineral Resources
1995**

Annual Report

New York State Department of Environmental Conservation
George E. Pataki, Governor Michael D. Zagata, Commissioner

This report was produced by the
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New York State Oil, Gas and Mineral Resources

Division Mission Statement

The Division of Mineral Resources is responsible for ensuring the environmentally sound, economic development of New York's non-renewable energy and mineral resources for the benefit of current and future generations.

STATE OF NEW YORK
GEORGE E. PATAKI, GOVERNOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MICHAEL D. ZAGATA, COMMISSIONER

As I write, the Division is in the midst of setting goals and developing workplans for fiscal year 1997-98. During 1995, Commissioner Zagata began introducing changes to the Department's workplanning process. We are required to demonstrate progress in our mission, stated on the title page, by measuring and reporting monthly to the Commissioner such things as number of wells plugged and number of mined acres reclaimed. We will be expected to increase these measured outputs each year, and our workplans for forthcoming years will reflect this expectation. We hope that the regulated community and other stakeholders will soon see tangible results of the Commissioner's 1995 workplanning initiatives as we strive to deliver focused, efficient and effective regulatory programs.

Last year I described the effect on our Division of the collapse and flooding of Akzo's Retsof salt mine in March 1994. The consequences of this event continued to demand attention and resources throughout 1995, as we concentrated not only on closure and remediation of the Retsof mine, but on permitting of a proposed replacement mine nearby. In fact, most of the wells permitted and drilled in Region 8 during 1995 were stratigraphic or monitoring wells associated with these two projects. Our Avon manager includes a synopsis of these activities in his review on page 12 of this report.

Although oil and gas well completions decreased in 1995, the report from our Olean manager on pages 13 and 14 reflects recent optimism about the possibility of successful deep exploration in western New York. Division staff are hopeful that potential deep reserves will bring increased activity and economic opportunity, and are ready to help ensure development of any newly discovered reserves in accordance with good environmental practice.

Underground gas storage projects continue to consume great amounts of staff time as we deal with a number of expansions as well as new projects. Existing projects are summarized on pages 16 and 17, and two of the new projects are described in the Region 8 Review on page 12. Clearly underground gas storage will continue to be more important to the secure and safe distribution of natural gas in New York and New England.

One of the biggest challenges facing the oil and gas regulatory program is the growing liability of idle and abandoned wells. In most cases financial security, even for operators in compliance with current regulations, does not provide sufficient funding to plug the covered wells. When operators

default on their tax bills and counties foreclose on properties that contain unplugged wells, those wells become a liability for local taxpayers. This is not a hypothetical worst-case scenario, but reflect current events already happening in the counties. We need a creative approach to develop new solutions to this problem, and hope to productively work together with all stakeholders in this effort.

Annual well reports are the primary tool used by the Division for tracking compliance. To date, only 76% of operators required to report for 1995 have done so; the statutory deadline for reporting was March 31, 1996. We have strived during recent years to make reporting easier, yet the lack of full compliance forces us to continue to devote resources to enforcement. In our small Division, these resources could be better spent on other projects. I strongly urge all operators to allow us to redeploy these resources by submitting timely, accurate reports for all unplugged active and inactive wells.

Beginning in late 1995, the Division has benefitted from the Commissioner's emphasis on improving computerized information management and communication capabilities within the Department. A major Department-wide computer purchase has allowed us to increase employee access to the wide array of electronic tools available, including Internet e-mail and a local area network within the Department. In fact, some Division e-mail addresses are listed on page 21. We hope to post information from our Division's database on a World Wide Web page now being developed by the Department. Permitting and other information from our database is currently available at the Interstate Oil and Gas Compact Commission's web page (<http://www.iogcc.oklaosf.state.ok.us>). We continue to improve both the amount and quality of information in our database, which now includes over 32,000 wells. Most of this information is available to the public; simply contact or visit any of our offices.

We hope that you have seen tangible results from the Commissioner's initiatives in making the Department more customer friendly. We at the Division of Mineral Resources are always willing and ready to help any operator, local government, or landowner deal with the issues facing the industry and our partners, local governments.

EXECUTIVE SUMMARY

New York State Oil, Gas and Mineral Resources - 1995 is the twelfth annual report published by the Department of Environmental Conservation's Division of Mineral Resources. The report is expanded to give a more comprehensive summary of New York's oil and gas production and extractive mineral resources.

Other topics covered in this year's report are solution salt mining, brine disposal, liquefied petroleum gas, underground gas storage and surficial mining. Also included are tables of wells permitted in 1995 and production data. At the time of publication 76 percent of the registered operators, or 680 of 887, had filed required Annual Well Reports.

Oil and Gas Highlights

- ☞ Reported production of natural gas declined approximately 8 percent to 18.7 BCF compared with 1994's reported production of 20.4 BCF.
- ☞ Production of oil was 303,780 barrels, an increase of 1.6 percent from 1994.
- ☞ Weighted average wellhead prices paid in 1995 were \$2.30 per thousand cubic feet of gas and \$16.29 per barrel of oil.
- ☞ Twenty-two stratigraphic wells were completed in conjunction with the investigation of a mine collapse in Livingston County.
- ☞ New York operators spudded 111 wells during 1995, a decrease of 22 wells from 1994.
- ☞ Reported oil and gas production generated an estimated \$1.44 million in real property tax revenues.
- ☞ Total State revenues from permits and leasing of State lands were \$236,710 in 1995.
- ☞ Oil and Gas staff performed 2,221 inspections and traveled 62,890 miles during 1995.
- ☞ The Division collected \$11,500 in assessed fines and penalties under the Oil, Gas and Solution Mining Law.
- ☞ Gas well completions decreased 66 percent to 31 wells completed while oil well completions decreased 41 percent to 20 wells completed.
- ☞ Market value of reported oil and gas was an estimated \$48 million. Land owners received approximately \$6 million in royalties.
- ☞ Tioga County ranked fourth in gas production in the state with only 9 gas wells.

Mineral Highlights

- ☞ In 1995 the Division regulated 2,560 surface mines encompassing 39,150 acres.
- ☞ Mined Land staff issued 342 permits, 130 new and 212 renewals during 1995.
- ☞ Estimated value of the minerals mined in New York State during 1995 was \$1.5 billion.
- ☞ Mined Land staff in 1995 approved the reclamation of 2,095 acres of affected land.

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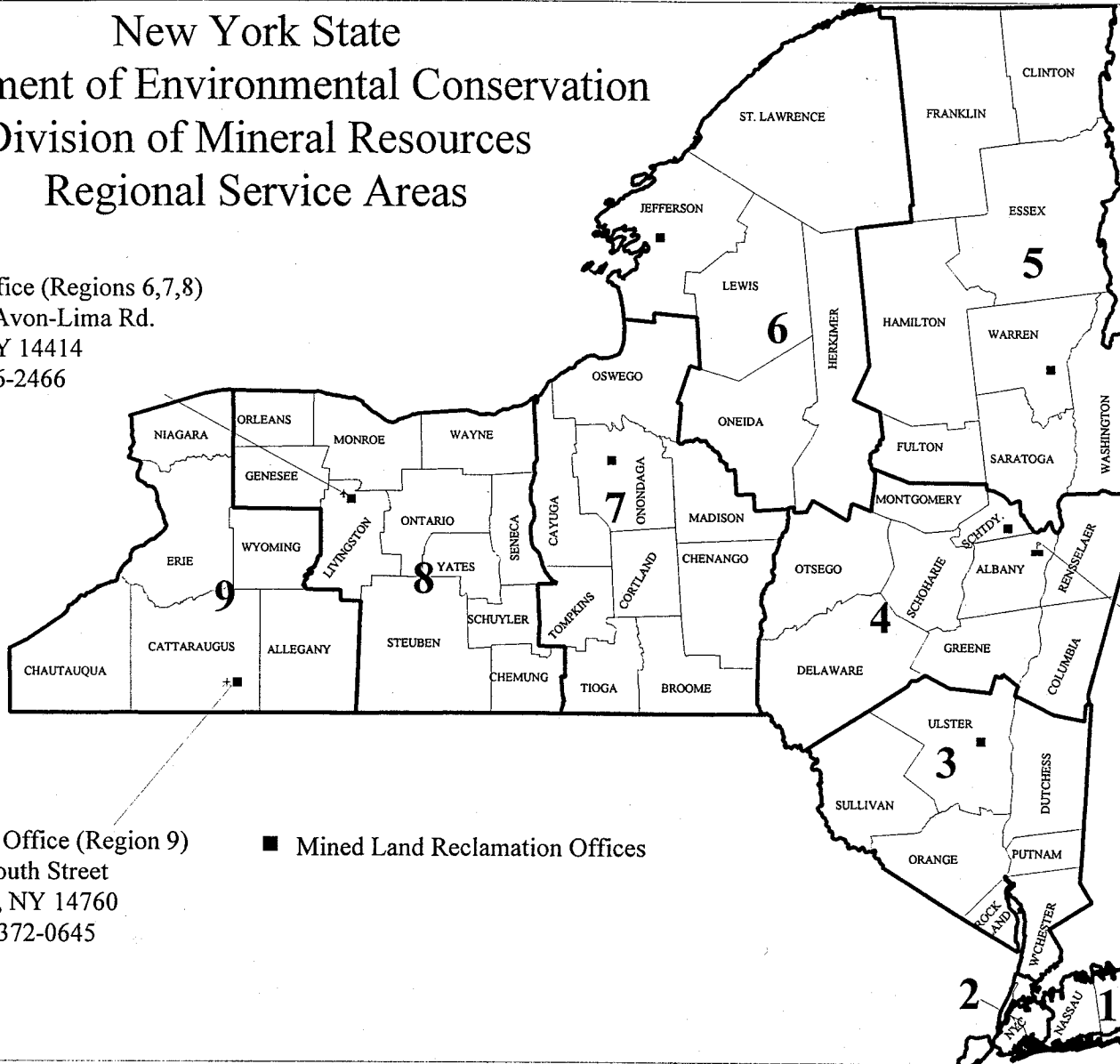
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New York State Department of Environmental Conservation Division of Mineral Resources Regional Service Areas

† Avon Office (Regions 6,7,8)
6274 E. Avon-Lima Rd.
Avon, NY 14414
(716) 226-2466



Central Office
(Regions 1 - 5)
50 Wolf Rd.
Rm. 202
Albany, NY 12233-6500
(518) 457-7480

* Olean Office (Region 9)
128 South Street
Olean, NY 14760
(716) 372-0645

■ Mined Land Reclamation Offices

New York State Oil, Gas and Mineral Resources, 1995

Permitting

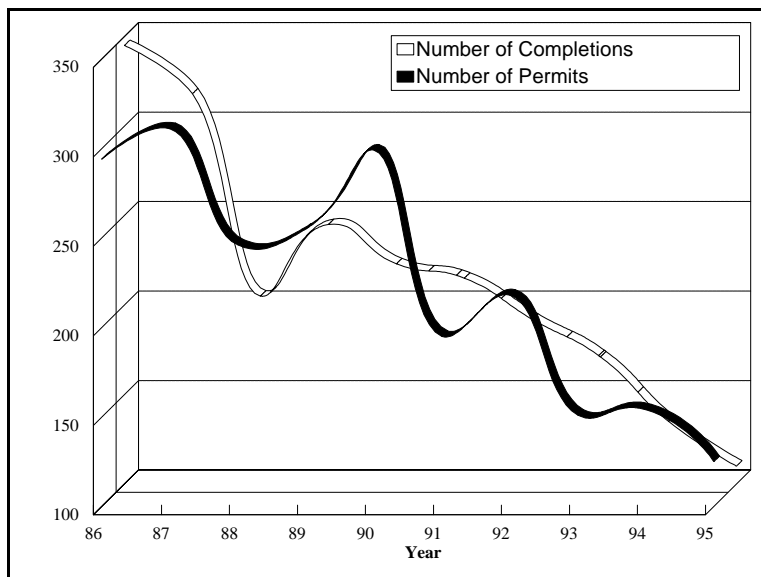
Division staff issued 125 drilling permits in 1995: 38 gas well permits, 35 oil well permits, 19 stratigraphic well permits, 12 brine well permits, 12 reissued well permits, 7 gas storage, 1 water injection and 1 brine disposal well permit. Permits were issued in ten counties: Chautauqua County had the most with 34 permits (20 gas, 9 oil and 5 reissued); Steuben County followed with 26 permits (15 oil, 6 gas storage, 3 gas, 1 stratigraphic and 1 reissued permit); Livingston County had 18 stratigraphic wells and 2 reissued permits; Wyoming County had 12 brine wells and 1 gas well permitted; Allegany had 11 permits (7 oil, 1 injection, 1 disposal and 2 reissued); Cattaraugus had 9 permits (5 gas and 4 oil); Erie County had 5 gas wells permitted followed by Genesee County with 4 gas well permits; Schuylar County had 2 gas storage permits and Broome County had one gas well permitted.

Completions

There were 110 wells completed in New York during 1995. For a complete listing see the oil and gas statistics table on page 22. Twenty oil wells were completed during 1995, a decrease of 14 wells from 1994. Allegany County had the most oil completions

with 4 each in the Beech Hill - Independence and the Fulmer Valley Fields. Chautauqua County had 6 oil completions, 4 in the Busti Field and one each in the Gerry-Charlotte and the North Harmony Fields. Steuben County had 2 oil completions in the Beech Hill - Independence Field. Twelve water injection wells were completed in the Steuben County portion of the Beech Hill-Independence Field. One water injection well was completed in Allegany County's Richburg Field and Cattaraugus' Bradford Field.

Thirty-one gas wells were completed during 1995; this is a decrease of 20 wells from 1994. Chautauqua County had the most completions with 11 in the Lakeshore Field and 3 in the Gerry-Charlotte Field. Erie County followed with 4 in the East Aurora Field and one each in the Concord and Glenwood Fields. Cattaraugus County had 5 completions, two each in the Lakeshore and Chaffee - Arcade Fields and one in the Chipmunk Field. Genesee County had 3 completions, 2 in the Ellicott Creek Pool (a new Onondaga formation pool), and one in the Danley Corners Field. Steuben County had 2 wildcat completions, one in the Big Creek Field and the other in the Waldo Creek Field. Wyoming County had one gas completion in the Alden-Lancaster Field.



Drilling permits issued vs completions in New York State, 1986 - 1995.

PRODUCTION OF OIL & NATURAL GAS**Eric B. Shyer**

As of June 18, 1996, approximately 76 percent, or 680 out of 887, of the registered New York oil and gas operators had filed their 1995 Annual Well Reports. Due to several large operators not filing their Annual Well Reports, the Division does not have the current status or production of approximately 900 wells. Unreported wells and production adversely affect local property tax evaluations.

The Division is actively re-notifying those operators of their legal responsibility to file their annual well reports.

New York's production of oil increased to 303,780 barrels, a rise of 1.6 percent from 1994. The map on page 5 shows oil production in New York State by town. Allegany and Cattaraugus Counties, which contain the State's historic oil fields, produced 45,772 and 158,625 barrels of oil (bblo) respectively. This represents a five percent increase for Allegany County and a decrease of 7 percent for Cattaraugus County from 1994 production. Chautauqua County produced 86,343 bblo, an increase of twenty-four percent over 1994's production. Erie and Steuben counties' oil production decreased twenty-eight and twelve percent to 317 and 12,723 bblo respectively, from 1994's production figures. The oil production figures are based on the oil buyers' reports.

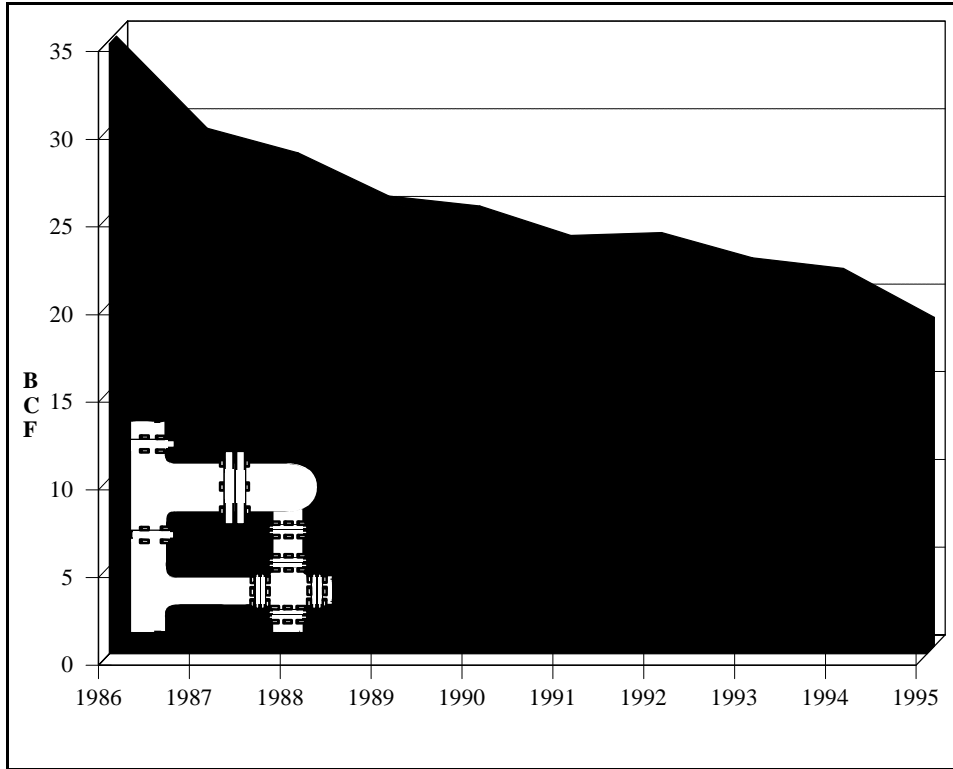
New York's 1995 preliminary gas production was 18.7 billion cubic feet (BCF) and is mapped by town on page 4. Initial estimates of the remaining unfiled production reports should place total 1995 gas production at about 20 BCF. Tioga County placed fourth in gas production with an average per-well production of 203,623 MCF. This is noteworthy as Tioga County only has **nine** active gas wells.

Top Ten Gas Producing Counties, 1995

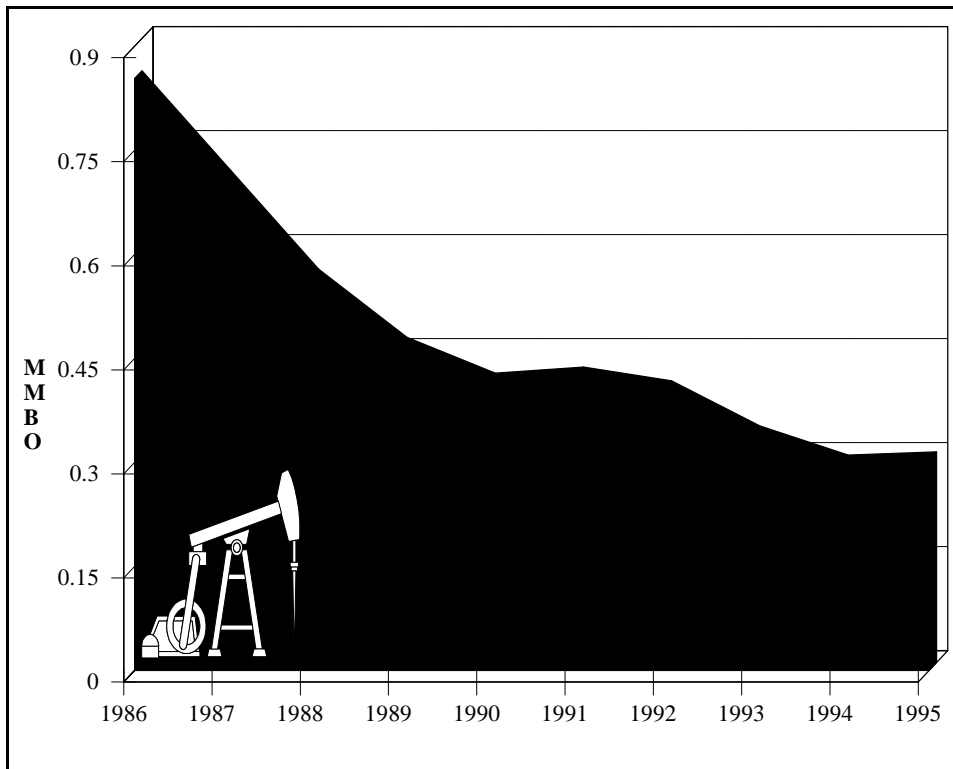
County	Gas MCF	No. of Active Wells	Average MCF/Well
Chautauqua	8,696,772	3,208	2,711
Cattaraugus	2,050,758	551	3,722
Erie	1,907,194	840	2,270
Tioga	1,832,608	9	203,623
Cayuga	1,351,593	293	4,613
Genesee	1,084,583	497	2,182
Seneca	616,391	138	4,467
Wyoming	479,136	260	1,843
Allegany	243,660	134	1,818
Livingston	199,221	140	1,423

Top Ten Oil & Gas Producing Companies, 1995

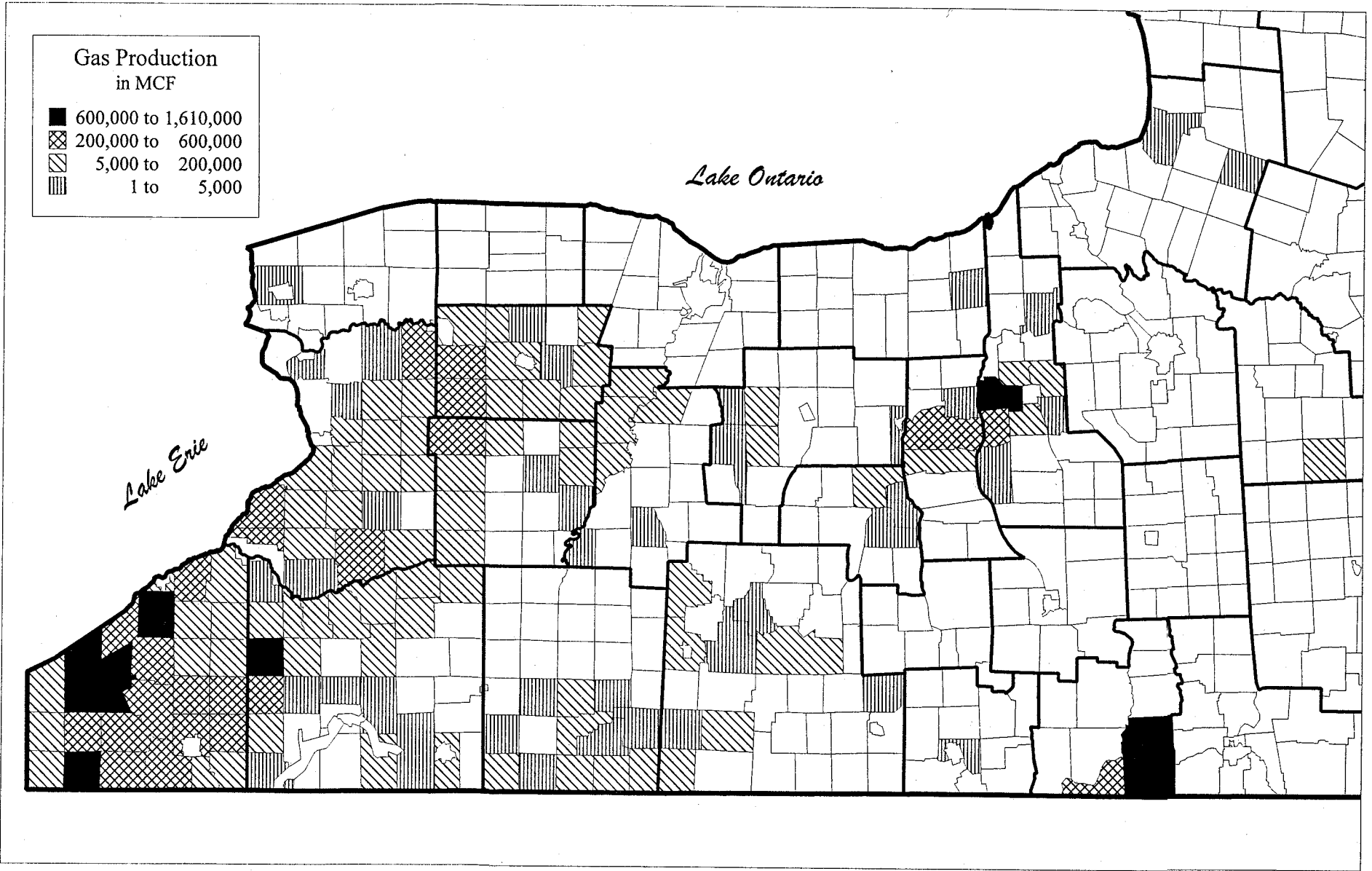
Oil		Gas	
Company	Production (BBLs)	Company	Production (MCF)
East Resources, Inc.	30,163	Belden & Blake Corporation	3,846,732
Richardson Petroleum Corp.	21,143	Lomak Operating Company	1,387,140
Pennsylvania General Energy	19,665	Meridian Exploration Corp.	1,280,080
Oil, Gas & Land Services, Inc.	14,688	Seneca Resources Corp.	1,107,058
R & C Oil Co.	13,833	United States Gypsum Co.	902,310
Chautauqua Energy, Inc.	12,359	Cabot Oil & Gas Corp.	741,032
Pefley Oil & Gas, Inc.	10,813	Ivan Hall & Associates, Inc.	661,623
Belden & Blake Corporation	8,839	Lenape Resources, Inc.	590,122
Hemlock Oil & Gas Co., Inc.	7,707	Ardent Resources, Inc.	382,953
Ebenezer Oil Co, Inc.	6,452	Resource America, Inc.	382,257



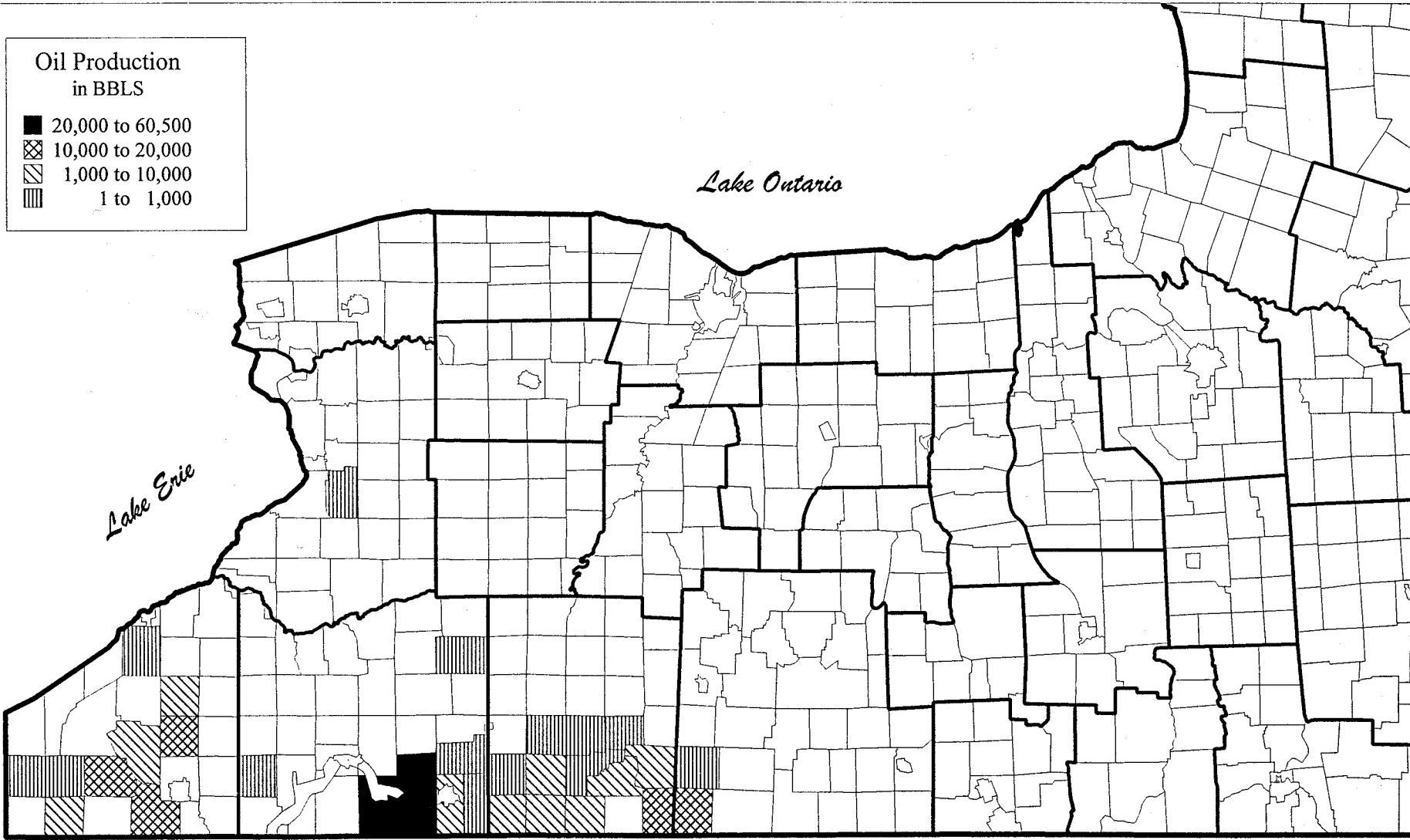
Annual production of natural gas in New York State, 1986 - 1995.



Annual production of crude oil in New York State, 1986 - 1995.



New York State gas production by town, 1995.



Oil Production
in BBLs

- 20,000 to 60,500
- ▣ 10,000 to 20,000
- ▤ 1,000 to 10,000
- ▥ 1 to 1,000

Lake Erie

Lake Ontario

New York State oil production by town, 1995.

ENFORCEMENT OPTIONS

Donald Drazan & Joe Kowalczyk

The Department is charged with the regulation of oil, gas and solution mining activities under Article 23 of the Environmental Conservation Law. Our goal has been to support production of the State's non-renewable resources in a responsible manner that provides adequate protection of public health and the environment. When efforts to cooperatively resolve compliance problems fail, the enforcement process is utilized to obtain compliance, deter violators and level the playing field.

The Department's objectives in regulating the oil and gas industry include preventing pollution of natural resources, including groundwater, and ensuring that adequate financial security to guarantee well plugging and reclamation is maintained. Article 23 of the ECL expressly provides that the Department can require the plugging of wells to prevent the pollution of fresh water supplies by oil, gas, salt water or other contaminants. Requiring the plugging of abandoned wells is one of the Department's principal strategies for protecting the State's groundwater.

The Department's oil and gas regulatory program is administered out of the Central Office in Albany, Region 8 in Avon and Region 9 in Olean. Regional Division of Mineral Resources staff review permit applications, perform inspections, work with well owners to correct deficiencies and support enforcement actions when attempts at voluntary compliance fail. Central office staff are primarily responsible for compliance with financial security, annual well reporting and owner registration requirements, as well as oversight of regional activities.

Over the past ten years the Department has initiated several hundred enforcement actions against oil, gas and solution mining operators who have failed to comply with regulatory requirements. By in large the majority of enforcement actions are administrative in nature. However, in appropriate circumstances the Department refers compliance problems to the Attorney General's Office for civil or criminal prosecution. In criminal actions Department staff coordinate with local law enforcement officials and district attorneys

or the Department of Law. The State has been successful in this venue and has obtained several favorable court decisions which support the Department's implementation of the statute and regulations.

Short Form Orders on Consent are perhaps the most frequently utilized administrative tool for achieving compliance. Provisions of such orders typically include assessment of a small penalty and a relatively simple schedule for obtaining compliance. Cases involving recalcitrant parties, significant noncompliance, or entities with a past record of serious violations are referred to Counsel's Office for enforcement. In such cases, staff may use an Order on Consent, Cease and Desist Directive, Notice of Hearing and Complaint, Shut-in Order, Plugging Order, Motion for Order Without Hearing, or Motion for Summary Abatement. Enforcement attorneys generally attempt to negotiate an Order on Consent executed by both the Department and the respondent. Penalties are larger than those found in Short Form Orders and compliance schedules may be more burdensome.

If efforts to settle compliance problems do not produce an Order on Consent, Department staff will commence an administrative hearing before an Administrative Law Judge (ALJ). After the hearing an ALJ submits a hearing report to the Commissioner that includes findings of fact and recommendations on all issues. The Commissioner has the power to direct the violator to correct all noncompliance within a reasonable time period and pay a penalty up to \$5,000 per violation plus \$1,000 for each day during which the violation continues.

This overview is designed to show the enforcement tools that are available to the Department in obtaining compliance with the Environmental Conservation Law. The Department is committed to ensuring that the laws and regulations are followed and that all unplugged wells are eventually plugged to protect the citizens of the state. Department staff prefer working cooperatively with well owners to avoid enforcement actions and are always ready to discuss possible

MARKET VALUE

Eric B. Shyer

The market value of New York State's reported oil and gas production for 1995 was estimated at \$48 million. Average wellhead prices for oil and gas were obtained from the Office of Real Property Services.

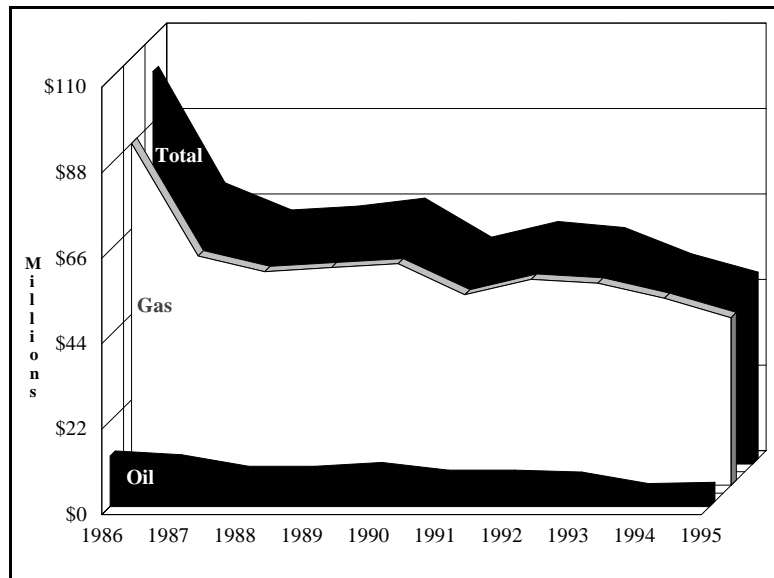
Wellhead oil prices for 1995 averaged \$16.29 per barrel, an increase of \$0.90 per barrel from 1994's average price. Market value of the State's 1995 reported production of 303,780 barrels was approximately \$4.9 million.

The average price for natural gas at the wellhead was \$2.30 per MCF, a decrease of \$0.05

per MCF. The market value of the reported produced gas was approximately \$43 million.

Average wellhead prices for oil and gas have fluctuated over the last ten years. In 1986 oil was \$15.65 a barrel, it then increased to over \$17 a barrel, dropped to below \$16 a barrel and then increased to its 10 year high of \$23 a barrel in 1990. The average price of gas at the wellhead in 1986 was \$2.60 an MCF. The price dropped by \$0.60 an MCF in 1987 and remained there until 1989 when it slowly started to increase. Gas prices reached another plateau in 1993, at \$2.40 an MCF and decreased \$0.05 an MCF each year.

Average Wellhead Price of Oil & Gas, 1986 - 1995		
Year	Oil \$/Bbl	Gas \$/Mcf
1986	\$15.65	\$2.60
1987	\$17.47	\$2.00
1988	\$15.50	\$2.00
1989	\$17.70	\$2.20
1990	\$23.00	\$2.23
1991	\$19.68	\$2.15
1992	\$18.95	\$2.25
1993	\$17.09	\$2.40
1994	\$15.39	\$2.35
1995	\$16.29	\$2.30



Market value of New York oil and gas production, 1986 - 1995.

OIL and GAS REVENUES**Charles R. Gilchrist**

The Division of Mineral Resources collects revenues from oil and gas activity under the Oil, Gas and Solution Mining Law. In 1995 total oil and gas revenues were \$236,710; permits and fees were \$98,062; leasing revenues from state lands were \$127,148; fines and penalties were \$11,500.

State Land Leasing and Revenues

In 1995, the Division managed 59 leases covering 32,360 acres of state land. Production royalties generated from 17,479 acres of this land totaled \$92,449. The remaining 14,881 acres yielded \$34,699 from delay rentals, bonus money and storage fees.

Total revenues from the onshore leasing program in 1995 were \$127,148; a decrease of 33 percent from the \$189,640 earned in 1994. This decrease is attributed to a mild winter and a loss of delay rentals from expiring leases.

The Department of Environmental Conservation is the designated agent for development of hydrocarbon leases on all eligible state lands. Leasing of state park lands and lands under the waters of Lake Ontario is prohibited. Lands underlying Lake Erie may be leased for gas development only; oil exploration and production is prohibited. Persons wishing to lease state lands may nominate tracts to be put up for competitive

County Leasing Statistics

County	Types of State Owned Acreage Under Lease *			Acreage Available
	Storage	Delay	Royalty	
Allegany	0	0	126	45,741
Broome	0	0	0	10,063
Cattaraugus	9,410	0	155	30,654
Cayuga	0	0	62	8,387
Chautauqua	0	0	16,987	2,039
Chemung	0	0	0	1,217
Chenango	0	0	0	71,721
Cortland	0	0	0	28,761
Erie	573	0	228	578
Livingston	0	0	0	3,511
Madison	0	0	0	23,700
Oneida	0	0	0	39,200
Onondaga	0	0	0	2,176
Oswego	0	0	0	20,694
Ontario	55	0	0	746
Schuyler	1	0	0	14,501
Seneca	0	0	17	0
Steuben	1,620	1,602	0	25,856
Tioga	0	0	0	7,905
Tompkins	0	0	0	21,380
Wyoming	0	0	0	2,570
Totals	11,659	1,602	17,575	361,400

* Acreage figures are accurate as of June 1, 1996.

public bid. The minimum bid is five dollars per acre and each parcel nominated must be accompanied by a bid guarantee deposit. Noncompetitive leases may be granted for small parcels of state owned land in order to consolidate drilling or production units controlled by a single entity. All hydrocarbon leases, in order to be valid, must have the approval of the agency with jurisdiction over the land in question.

Onshore state lands encompassing approximately 360,000 acres in central and western New York are available for competitive leasing on a request basis. Approximately half of the current state leases are in Chautauqua County, many of them in production status for 20 years or more. New wells continue to be drilled on these leases. Over 2,000 acres of state land are still available for leasing in Chautauqua County. Other active oil and gas producing counties are Allegany and Steuben which respectively have 45,741 and 25,856 acres of state land available for leasing. Much of this acreage has been leased in the past but was never explored; virtually all of it has the potential for gas development.

Located in south central New York is the prolific Stagecoach Field recently developed in

Tioga County. The state manages thousands of acres of land in Tioga and the surrounding counties which have yet to be tested for gas. Most of this acreage may be available through the competitive leasing program.

Obtaining Leasing Information

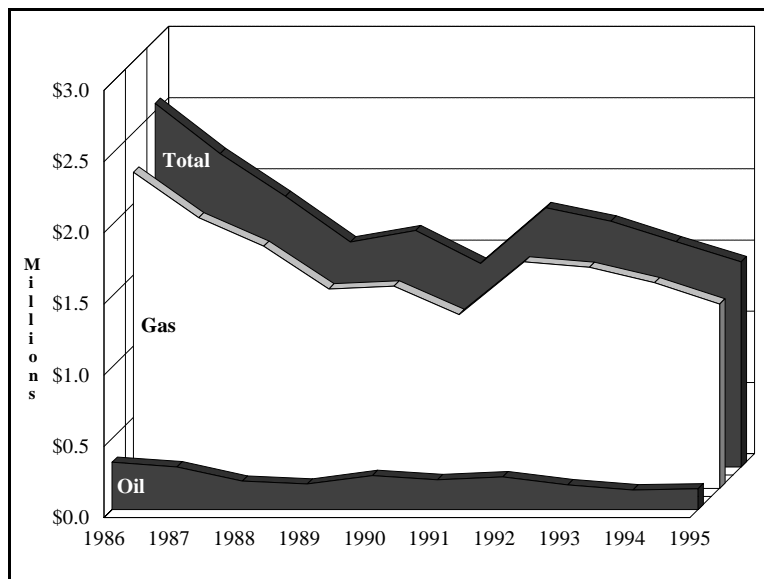
Information on county maps showing the location of acreage within a county and printouts of available acreage can be obtained by contacting the Division's leasing staff in Albany.

Property Tax Revenues

Estimated real property tax revenues attributable to reported 1995 oil and gas production were approximately \$1.44 million. Taxes from natural gas and oil production were calculated to be \$1.29 million and \$148,457, respectively.

Leasing Royalties

Statewide, all landowners who had producing oil and gas leases during 1995 received approximately one-eighth of the market value of \$48 million, or approximately \$6 million in royalties.



Oil and gas property tax revenues, 1986 - 1995.

SOLUTION SALT MINING

Five solution mining facilities in New York produced 2.1 billion gallons of saturated brine, or about 2.4 million metric tons of salt, in 1995. Operators of these facilities injected 2.15 billion gallons of fresh and recycled plant process water into bedded salt zones of the Upper Silurian Salina Group to recover the brine. Brine withdrawals for 1995 represent a decrease of nine percent compared to 1994's figure of 2.3 billion gallons. The value of New York's 1995 solution salt mining production is estimated at \$75 million.

The 122 unplugged wells reported for 1995 include injection wells, withdrawal wells and wells equipped for both injection and withdrawal. Solution miners in New York withdraw brine from both single-well and multi-well caverns. Operators of multi-well caverns sometimes alternate wells between injection and

Akzo Nobel, Cargill, and Morton produce brine to supply on-site evaporation plants which manufacture and package table salt, water conditioning salt, and salt for other uses. Texas Brine's fields supply two chemical manufacturing plants in Niagara Falls via 60-mile-long brine pipelines. In 1995, solution miners produced 45 percent of New York's total mined salt production, with the remainder extracted by conventional underground mining. According to statistics compiled by the U.S. Geological Survey, New York typically ranks third among the states in total annual salt production.

The solution mining industry has prospered in New York since 1878, when commercial quantities of subsurface rock salt were discovered in Wyoming County at a well drilled to explore for oil or gas. Between 1878

Status of Solution Salt Mining in New York, 1995

Operator	County	Town	Plugged Wells	Unplugged Wells	Year Started
Akzo Nobel	Schuyler	Reading	51	20	1893
Cargill	Schuyler	Dix	12	9	1898
Morton	Wyoming	Castile & Gainesville	23	16	1884
Texas Brine	Wyoming	Middlebury (Dale field)	74	41	1970
Texas Brine	Wyoming	Middlebury (Wyoming Village field)	5	36	1984
Total			165	122	

withdrawal in order to balance dissolution (which occurs mostly at the injection well), thereby controlling the size and shape of the caverns. Other techniques used to maximize salt production while enhancing cavern stability include hydrofracturing, horizontal drilling, and roof padding. Current operators plug their wells in accordance with industry standards and state and federal regulations.

and 1985, operators drilled 267 wells in addition to those at the current facilities. The Tully Valley brine field in Onondaga County, started by Solvay Process Company in 1888 to supply its Syracuse soda ash plant, was the site of 162 of these wells. Operational techniques led to sinkholes and widespread subsidence in Tully Valley, where no

plugging program was in place until ordered by the State in the late 1980s.

Between 1988 and 1995, AlliedSignal Corporation, Solvay Process Company's ultimate successor, plugged 167 wells in Tully Valley. This total includes 158 solution mining wells, a hundred-year-old exploratory well, seven coreholes, and a well drilled but never used for fluid disposal. During 1995, the company also drained and decommissioned a 20-mile-long, century-old pipeline that once conveyed brine from the well field in Tully Valley to the soda ash plant in Syracuse. Both the well pluggings and pipeline closure in Tully Valley were initiated by the Division of Mineral Resources.

Tully Valley Well Plugging Statistics

Total wells drilled	172
Wells lost/inaccessible	5
Wells plugged pre - 1989	0
Wells plugged 1989 - 1991	31
Wells plugged 1993 -1995	136

BRINE DISPOSAL

Produced Water Volume

Produced water volume for 1995 was 686 million barrels, a 68 percent decrease from 1994. Oil-associated water production of 574 million barrels was down 71 percent and gas-associated brine production of 111,000 barrels was down 23 percent when compared to 1994. These figures do not include brine produced with underground gas storage withdrawals.

Disposal Wells

In 1995, New York State had five UIC Class IID wells authorized for the disposal of brine associated with oil and gas production. Two of the five wells were shut-in all year. The USEPA and the state issued permits for six additional wells for disposal of brine associated with salt cavern leaching at the Avoca Natural Gas storage project.

The 1995 injection volume was 87,668 barrels, 98% of which was produced and reinjected at two underground gas storage facilities.

REGION 8 REVIEW

Randy Nemecek - Region 8 Minerals Manager

Over the last two years, most of Region 8's oil, gas and mining activities were directed toward dealing with the impacts associated with the March 1994 collapse of Akzo Nobel Salt, Inc.'s (Akzo) underground salt mine in Retsof, Livingston County. In fact, last year's Region 8 report was dedicated entirely to this event. However, over the course of the last year, the Akzo project took on a different character and several exciting projects were initiated that were overshadowed by the mine collapse.

Akzo had originally proposed to construct a new underground salt mine in Livingston County to replace its Retsof operation. However, after completing the public hearing process and receiving its permit, Akzo decided to cancel its plans to construct a new mine.

The Department did a remarkable job reviewing and processing this complex project in an efficient and timesaving manner. Two Department staff members dedicated 100 percent of their time to evaluate and process Akzo's permit application. In addition, the Department committed resources from several other offices including but not limited to the Divisions of Mineral Resources and its consultant, John T. Boyd Co., Legal Affairs, Water Quality, Fish and Wildlife, Air and Regulatory Services. Outside agencies included the Governor's Office of Regulatory Reform, the Departments of Transportation, Agriculture and Markets and Economic Development, the Office of Parks, Recreation and Historic Preservation, the Attorney General's Office, Livingston County, and the Towns of Groveland, Geneseo and Mount Morris.

In spite of its decision not to construct a new mine, Akzo remained a top priority. Since the collapse, Akzo received 73 permits and drilled 64 wells of which 39 have been plugged and abandoned. The only remaining wells are those used for groundwater monitoring. There are currently 22 wells used for this effort. Over the last two years, over 1,000 inspections have been conducted.

During 1995, the construction of the underground gas storage facilities in salt cavities began. The first project was New York State Electric and

Gas Corp.'s (NYSEG) proposal to use abandoned solutioned salt caverns in the Town of Reading, Schuyler County. These caverns were created by Akzo as part of their solution mining operations for food-grade salt. NYSEG drilled/re-entered three wells to access an abandoned gallery and conducted integrity tests to ensure that the cavern could store gas at pressures exceeding 1300 pounds per square inch of gas (psig). In addition, NYSEG conducted several rock mechanics tests during drilling operations to ensure competency of the cap-rock. The tests demonstrated sufficient integrity for gas storage and NYSEG is currently constructing surface facilities to support this new facility.

Avoca Gas Storage Inc. (Avoca) also received an underground gas storage permit and commenced drilling operations in 1995. Avoca began testing operations with deep stratigraphic wells in 1992. The first project well began in the fall of 1995. Since then, full time drilling operations have been underway. As many as seven drilling and/or workover rigs have been in operation. An exciting aspect of this operation has been the use of two "triple" drilling rigs. One rig utilizes a 28-foot substructure and ranks as one of the biggest drilling rigs ever to conduct operations in New York State.

Avoca received approval to develop six gallery-type caverns using 12 wells for the explicit purpose of storing approximately 5 BCF of natural gas. In addition, Avoca will drill six deep disposal wells to depths between 10-12 thousand feet. Brine generated from the solutioning operations will be injected into these wells.

The above operations contributed to one of Region 8's most active years. Other operations included wildcat activity in Steuben and Broome Counties, the finalization of plugging and abandonment operations of AlliedSignal's abandoned solution salt field in Tully Valley, Onondaga County, the drilling of seven wells to support the expansion of a liquefied petroleum gas (LPG) facility in Steuben County and continued drilling operations in Genesee and Schuyler Counties. Most of these activities will carry over and supplement plans scheduled for 1996.

Is it possible that deep well drilling in Region 9 has occurred over the past 100 years? It may surprise you but the answer is yes! Let's define the term "deep" as any well drilled to formations deeper than the Queenston (Stratigraphic Chart pg. 15). Using this definition not only has deep drilling occurred in Region 9, it has occurred in all six counties comprising Region 9: Allegany, Cattaraugus, Chautauqua, Erie, Niagara and Wyoming. Many of these deep wells encountered gas shows that indicate an excellent potential for commercial gas accumulations in the formations underlying the Upper Ordovician Queenston.

Early exploration of Region 9's deep stratigraphic section began in Niagara County during the 1880's - 1890's. Several wells were drilled to the Precambrian at approximately 2,000 - 3,000 feet. The Bradshaw #1, API # 063-01039, drilled in 1891, reached a total depth (TD) in the Precambrian of 2,134 feet. No hydrocarbon shows were reported; however, one year later in 1892, the Bradshaw #2, API # 063-01335, did report gas shows in the Upper Cambrian Theresa and Potsdam Formations. The early exploration of sub-Queenston strata probably began in Niagara County due to the relatively shallow depths of the target horizons.

Exploration of Erie County's deep section followed the initial attempts in Niagara County. Records for the Elma Deep #1 Well, API # 029-00988, drilled in 1903, did report gas in the Upper Ordovician Queenston Formation on its way to a TD of 3,986 feet in the Upper Cambrian Potsdam Formation. A very significant show of gas was reported in the City Hospital Grounds #1, API # 029-00840, drilled in 1924. According to the records, gas flowed from the Middle Ordovician Trenton Formation (3,420 feet) at the rate of 700 thousand cubic feet of gas per day (MCFGD). It is very possible the City Hospital Grounds #1 drilled a deep structure or a fractured reservoir. The "deep" formations continued to show the promise for a commercial discovery.

Deep gas exploration in western New York was severely curtailed during the years of the Depression and World War II. Technology was advancing and the rotary drilling rigs were rapidly replacing cable tool rigs. Post war drilling would soon begin using the improved technology.

Chautauqua County's deep gas exploration began in the late 1940's and continued through the 1960's. Heintz Oil drilled the Niehaus Well in 1949, API # 013-01464, to the Lower Ordovician Tribes Hill Formation and reported a gas show of 80 mcfgd. Records show it had an initial flow of 2.2 million cubic feet of gas per day (MMCFGD), was completed, and subsequently produced more than 300 mmcf. The Niehaus well is the first reported commercial deep gas discovery in western New York. Other Chautauqua County wells have also encountered deep gas. The Morse Well, API # 013-03200, drilled in 1956 to 7,100 feet in the Upper Cambrian Little Falls Formation, had gas shows in the Middle Ordovician Trenton and the Upper Cambrian Tribes Hill and Little Falls Formations. The Harrington #1, API # 013-04437, drilled in 1963 to 7,691 feet as an Upper Cambrian Potsdam test, reported gas in the Middle Ordovician Trenton and the Upper Cambrian Little Falls and Theresa Formations. Significant shows and a commercial gas discovery further encouraged operators to explore the deep formations.

Drilling, completion and exploration technology improved from the 1960's through the 1990's. Operators began using seismic, air/landsat photo analysis and gravity/magnetic surveys to explore for gas and oil. Structures and faults could be delineated with a much higher degree of accuracy. As the technology improved and the price of oil and gas rose, increased drilling soon followed.

Deep wells continued to report gas shows. Allegany County had two wells drilled to the Upper Cambrian Theresa Formation (approx. 7,400 feet) in the early 1960's. The Cook Well, API # 003-03956, reported 100 MCFGD from the Upper Cambrian Little Falls Formation. The Wolfer Well, API # 003-04248, found gas in the Middle Ordovician Trenton and the Lower Ordovician Tribes Hill Formations. Although gas was encountered, the depth to the target zones resulted in high drilling costs that may have limited further deep well drilling and development in Allegany County.

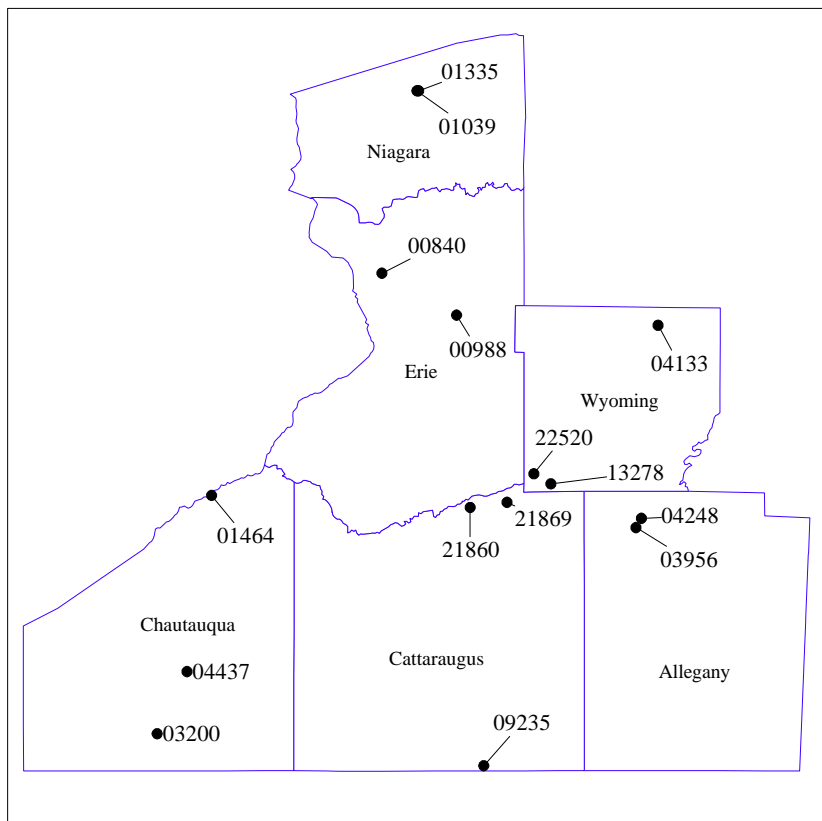
Cattaraugus County also had its share of deep wells. The Enterprise-Transit Well, API # 009-09235, drilled in 1972 to a TD of 11,680 feet in the Precambrian, had gas shows in the Middle

Ordovician Black River Formation, the Cambrian Rose Run Formation and the Precambrian marble. The Precambrian gas shows, if valid, most likely originate from their proximity to faults or natural fractures. Additional drilling in this county (1990) resulted in deep shows of gas (greater than 6,000 feet) in the Schweikert-Scharf, API # 009-21860, and the Worden wells, API # 009-21869. Both wells recorded shows in the Upper Cambrian Theresa and Little Falls Formations. Commercial discoveries were still elusive but the presence of gas showed the real possibility of large gas accumulations below the Upper Ordovician Queenston Formation.

The Titus Bros. #1, API # 121 - 21920, produced 97.6 mmcfgd in 1992 from the Upper Cambrian Theresa Formation. Another significant Wyoming County well is Ardent/Belden's Matusik #1, API # 121-22520. Although information on the Matusik remains confidential, 15 mmcfgd was reported from the Theresa Formation as yearly production on the 1995 well production report.

Advanced technology will continue to play a vital role in the exploration of New York's deep structures. A 3-D seismic survey funded by New York State Energy Research and Development Authority (NYSERDA), exploration companies Ardent Resources and Belden and Blake and

The 1990's produced a drilling boom for deep gas in Wyoming County. A total of fifteen wells were drilled with Cambro-Ordovician formations as the primary objective. One reason contributing to increased Wyoming County exploratory drilling was the twelve deep wells previously drilled in the county between 1946 and 1985; a 250 MCFGD Upper Cambrian Theresa Formation show



Deep well location map.

others was completed in the fall of 1995. Ardent and Belden and Blake used 3-D seismic data and airborne magnetic survey information to locate another deep test in southwestern Wyoming County. An August 1996 spud date was anticipated.

Deep drilling in Region 9 over the past 100 years has discovered commercial gas fields, shows of oil and gas, and the potential for billion cubic foot (BCFGD) gas accumulations.

The Strathern Well, API # 121-04133, a reported Middle Ordovician Trenton Formation oil/gas show in the Romain Well, API # 121-13278, and reports of other deep gas shows encouraged Power Gas to commence their Upper Cambrian Theresa Formation exploration drilling program. A new field, Cascade Brook, was discovered and commercial production commenced in 1991 from the Upper Cambrian Theresa Formation.

The New York State Department of Environmental Conservation's Division of Mineral Resources and NYSERDA have taken active roles to encourage the development of New York's deep gas potential. I look forward to the next several years and the commercial discoveries to come. I believe we will see the saying "drill low for dough" come to fruition in western New York.

STRATIGRAPHIC SECTION SOUTHWESTERN NEW YORK

PERIOD		GROUP	UNIT	LITHOLOGY		EXPLANATION
PENN.		POTTSVILLE	OLEAN		QUARTZ PEBBLE CONGLOMERATE AND SANDSTONE,	
MISS.		POCONO	KNAPP		QUARTZ PEBBLE, CONGLOMERATE, SANDSTONE, AND MINOR SHALE	
DEVONIAN	UPPER	CONEWANGO			SHALE AND SANDSTONE CONGLOMERATES	
		CONNEAUT	CHADAKOIN		SHALE AND SILTSTONE CONGLOMERATES	
		CANADAWAY	UNDIFFERENTIATED ¹		SHALE AND SILTSTONE	SANDSTONE/SAND
			PERRYSBURG ²		MINOR SANDSTONE	GRAVEL/CONGLOMERATE
		WEST FALLS	JAVA		SHALE AND SILTSTONE	
			NUNDA		ARGILLACEOUS LIMESTONE	
	MIDDLE	SONYEA	MIDDLESEX		SHALE AND SILTSTONE	SHALE/CLAY
			GENESEE		SHALE WITH MINOR SILTSTONE AND LIMESTONE	
			TULLY		LIMESTONE WITH MINOR SILTSTONE AND SANDSTONE	
		HAMILTON	MOSCOW		SHALE WITH MINOR SANDSTONE AND CONGLOMERATE	
			LUDLOWVILLE		LIMESTONE	LIMESTONE/CHALK
			SKANEATELES MARCELLUS		LIMESTONE	
LOWER	TRISTATES	ORISKANY		SANDSTONE		
	HELDERBERG	MANLIUS RONCOUT		LIMESTONE AND DOLOSTONE	ARGILLACEOUS LIMESTONE	
SILURIAN	UPPER	SALINA	AKRON		DOLOSTONE	
			CAMILLUS		SHALE, SILTSTONE, ANHYDRITE AND HALITE	
			SYRACUSE		LIMESTONE AND DOLOSTONE	DOLOSTONE
	LOWER	CLINTON	LOCKPORT		SHALE AND SANDSTONE	ANHYDRITE
			ROCHESTER IRONDEQUOIT		LIMESTONE AND DOLOSTONE	
		MEDINA	GRIMSBY WHIRLPOOL		SANDSTONE AND SHALE QUARTZ SANDSTONE	SALT
ORDOVICIAN	UPPER	QUEENSTON		SHALE AND SILTSTONE WITH MINOR SANDSTONE		
	MIDDLE	TRENTON-BLACK RIVER		LIMESTONE AND MINOR DOLOSTONE		
	LOWER	BEEKMANTOWN	TRIBES HILL CHUCTANUNDA		LIMESTONE	METAMORPHIC ROCKS
CAM-BRIAN	UPPER	LITTLE FALLS GALWAY (THERESA) POTSDAM		QUARTZ SANDSTONE AND DOLOSTONE; SANDSTONE AND SANDY DOLOSTONE; CONGLOMERATE BASE	IGNEOUS ROCKS	
PRECAMBRIAN			GNEISS, MARBLE, QUARTZITE, etc...		METAMORPHIC AND IGNEOUS ROCKS	• OIL ⊗ GAS

1-INCLUDES GLADE, BRADFORD 1ST, CHIPMUNK, BRADFORD 2ND, HARRISBURG RUN, SCIO, PENNY & RICHBURG

2-INCLUDES BRADFORD 3RD, HUMPHREY, CLARKSVILLE, WAUGH & PORTER, & FULMER VALLEY

MODIFIED AFTER VAN TYNE & COPLEY, 1983

UNDERGROUND GAS STORAGE & LIQUEFIED PETROLEUM GAS Clemsford Pollydore**Underground Gas Storage**

At year end 1995, there were 159.5 billion cubic feet (BCF) of gas in storage, of which 61.1 BCF were working gas. New York's storage fields (see map on page 17) can deliver approximately 1.26 BCF/day during peak periods. The total available gas capacity in the State is approximately 188.8 BCF with a potential working gas capacity of 90.4 BCF.

In March 1995, Avoca Natural Gas Storage (Avoca) was granted a permit for the underground storage of approximately 6.72 BCF

initially connected at the base of the salt using horizontal drilling techniques. The brine produced during the solutioning process will be disposed of by injection into a number of deep disposal wells. Construction has already begun and the first phase consisting of two caverns is expected to be completed by October 1997.

In August 1995, New York State Electric and Gas Corporation (NYSEG) was granted a permit for the underground storage of approximately 2.34 BCF of natural gas, of which

1995 Underground Gas Storage

Storage Operator	Storage Field	Inj/ Wdr Wells	Mon/ Obs Wells	Total Wells	Total Storage Capacity (MMCF)	Gas To Storage (MMCF)	Gas From Storage (MMCF)	Designed Max. Del. (MCF/DAY)
CNG Transmission Corp.	Woodhull	50	1	51	35,904	15,156	23,932	357,000
Columbia Gas Trans Corp.	Dundee	115	19	134	11,000	3,562	4,653	80,000
Columbia Gas Trans Corp.	Gilbert	1	0	1	230	0	0	0
Columbia Gas Trans Corp.	Greenwood	4	3	7	3,600	351	255	3,000
Columbia Gas Trans Corp.	N.Greenwood	2	0	2	3,200	618	513	4,000
Honeoye Storage Corp.	Honeoye	28	12	40	8,714	3,438	4,018	40,000
National Fuel Gas Supply	Beech Hill	32	9	41	23,000	3,134	4,230	66,000
National Fuel Gas Supply	Bennington	63	1	64	5,000	2,588	2,468	75,300
National Fuel Gas Supply	Colden	159	7	166	16,220	2,341	2,764	110,000
National Fuel Gas Supply	Collins	45	2	47	5,880	2,110	2,480	50,000
National Fuel Gas Supply	Derby	12	2	14	250	130	126	5,000
National Fuel Gas Supply	East Independence	7	4	11	6,400	2,205	1,900	14,700
National Fuel Gas Supply	Holland	24	1	25	2,600	826	708	25,000
National Fuel Gas Supply	Lawtons	29	2	31	2,470	923	1,141	21,000
National Fuel Gas Supply	Limestone	10	4	14	19,800	547	870	37,000
National Fuel Gas Supply	Nashville	70	1	71	8,530	2,623	3,854	110,000
National Fuel Gas Supply	Perrysburg	39	1	40	3,850	1,297	1,395	35,000
National Fuel Gas Supply	Sheridan	25	1	26	3,700	788	981	25,000
National Fuel Gas Supply	Tuscarora	7	1	8	6,300	2,949	3,583	57,000
National Fuel Gas Supply	West Independence	23	8	31	11,800	4,939	3,908	48,700
National Fuel Gas Supply	Zoar	30	1	31	2,200	1,764	1,976	40,000
Steuben Gas Storage Co.	Adrian Reef	10	1	11	8,200	3,098	4,592	60,000
Totals		785	81	866	188,848	55,387	70,347	1,263,700

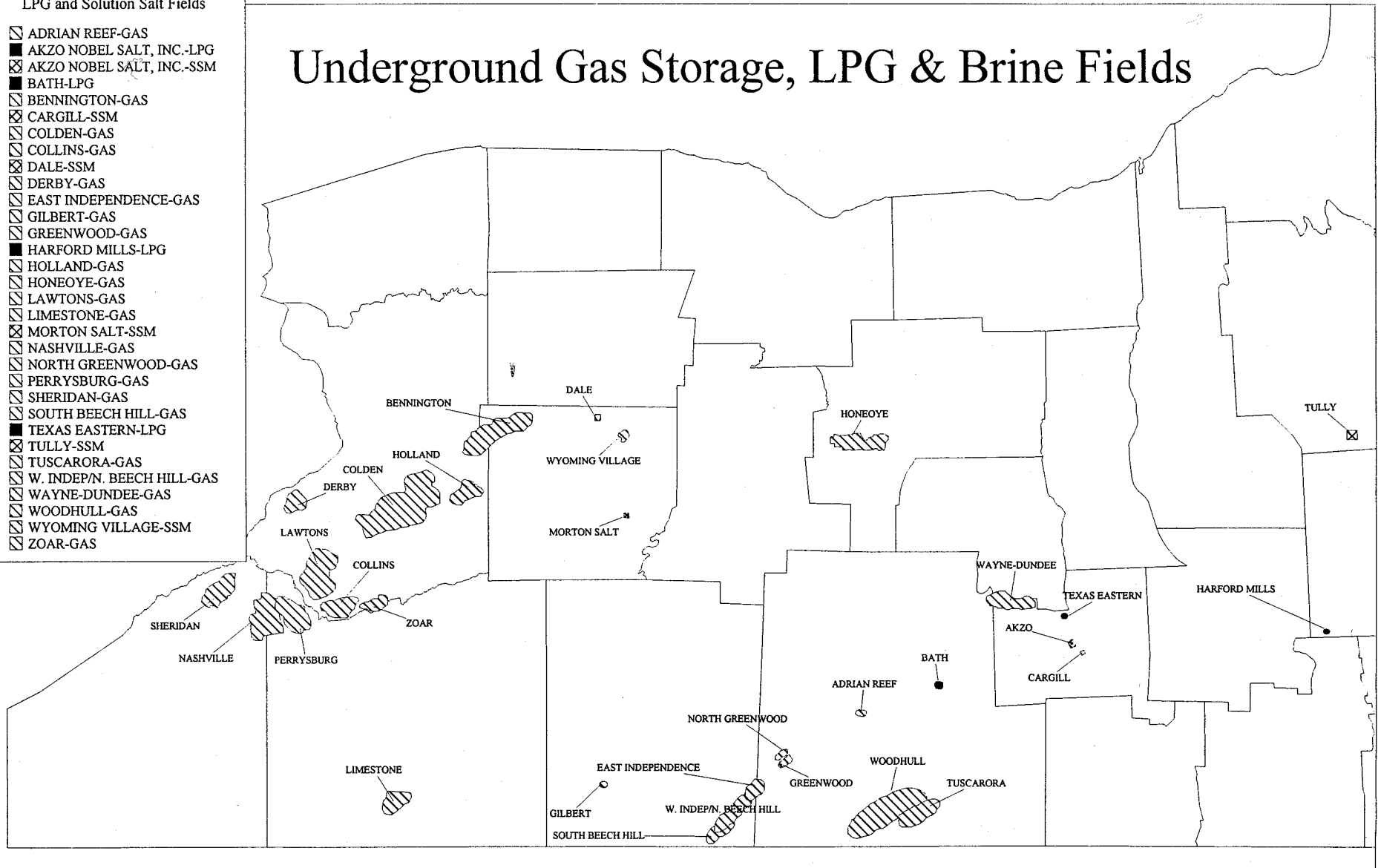
of natural gas, of which 5 BCF will be working gas. The gas will be stored in six caverns to be constructed by solutioning salt from bedded strata at a depth of about 3,900 feet. The project area is located in the town of Avoca, New York. The caverns will be leached using two wells in each cavern. Fresh water will be injected into one well and brine will be withdrawn from the other well. The two wells in each cavern will be

1.69 BCF will be working gas. The gas will be stored in an existing underground salt cavity known as Gallery No. 1, located at a depth of approximately 2,000 feet below the surface. The project area is located in the Town of Reading, Schuyler County, New York. Two wells will be used for the injection and withdrawal of gas and one well will be used for the withdrawal of brine. The produced brine will be piped to a nearby

N.Y.S. Underground Gas Storage
LPG and Solution Salt Fields

- ▨ ADRIAN REEF-GAS
- AKZO NOBEL SALT, INC.-LPG
- ▩ AKZO NOBEL SALT, INC.-SSM
- BATH-LPG
- ▨ BENNINGTON-GAS
- ▩ CARGILL-SSM
- ▨ COLDEN-GAS
- ▨ COLLINS-GAS
- ▩ DALE-SSM
- ▨ DERBY-GAS
- ▨ EAST INDEPENDENCE-GAS
- ▨ GILBERT-GAS
- ▨ GREENWOOD-GAS
- HARFORD MILLS-LPG
- ▨ HOLLAND-GAS
- ▨ HONEOYE-GAS
- ▨ LAWTONS-GAS
- ▨ LIMESTONE-GAS
- ▩ MORTON SALT-SSM
- ▨ NASHVILLE-GAS
- ▨ NORTH GREENWOOD-GAS
- ▨ PERRYSBURG-GAS
- ▨ SHERIDAN-GAS
- ▨ SOUTH BEECH HILL-GAS
- TEXAS EASTERN-LPG
- ▩ TULLY-SSM
- ▨ TUSCARORA-GAS
- ▨ W. INDEP/N. BEECH HILL-GAS
- ▨ WAYNE-DUNDEE-GAS
- ▨ WOODHULL-GAS
- ▨ WYOMING VILLAGE-SSM
- ▨ ZOAR-GAS

Underground Gas Storage, LPG & Brine Fields



Gas = Natural Gas; LPG = Liquefied Gas; SSM = Solution Salt Mine

AKZO plant for processing. NYSEG has completed all major construction and has commenced debrining operations.

In June 1996, Arlington Exploration Company (Arlington) was granted a permit for the underground storage of approximately 7.7 BCF of natural gas in a nearby depleted natural gas field known as the Thomas Corners Reef. Working gas capacity will be approximately 5.3 BCF. The Thomas Corners Reef is located in the Towns of Bath and Cameron, Steuben County, New York, and the storage reservoir is at a depth of about

3,600 feet below the surface. This project is similar to the Adrian Reef Storage approved by the Department in July 1990. When completed, the storage facility will consist of 13 or more wells and will be known as Thomas Corners Storage.

Liquefied Petroleum Gas

The three liquefied petroleum gas (LPG) facilities in New York State have a total storage capacity of 116.5 million gallons. At the close of 1995, there were 40.2 million gallons of LPG in storage occupying 34 percent of total capacity.

1995 Liquefied Petroleum Gas Facilities Summary

Operator	County	# Wells	Capacity (Mgals)	Balance (Mgals)
Bath Petroleum Storage	Steuben	7	43,221	20,592
Texas Eastern Product Pipeline	Schuyler	1	53,294	9,294
Western Energy and Storage	Cortland	3	20,000	10,305
Totals		11	116,515	40,191

MINED LAND RECLAMATION

Steven Potter

Mining is an important element in the economy of the State of New York. In 1995, more than 4,000 workers were employed in the extractive mineral industry in New York State. Currently New York State is ranked 15th in the nation in the value of non-fuel minerals produced. The estimated value for these minerals is \$1.5 billion. The State accounted for a little less than three percent of the U.S. total. More than 90 percent of the State's non-fuel mineral value was derived from industrial minerals and mineral products, primarily salt, construction sand and gravel, crushed stone, portland cement, and wollastonite.

Most of the metal production was from zinc. In estimated mineral production for 1995, New York remained the only major producer of wollastonite in the United States, second of two garnet producing states, third in salt and zinc, fourth in talc and pyrophyllite, and sixth in lead.

One of the major mining related incidents in 1995 was the closure of the Akzo Nobel salt mine in Retsof, New York. This mine was the largest producer of rock salt in the western hemisphere. Throughout 1995 the Department had worked closely with Akzo-Nobel on the processing of a new permit application for a salt mine at Hampton Corners, New York. After seventeen months of technical review, a new permit was issued in the spring of 1996. However, shortly after, Akzo-Nobel announced that the new mine would not be built at Hampton Corners.

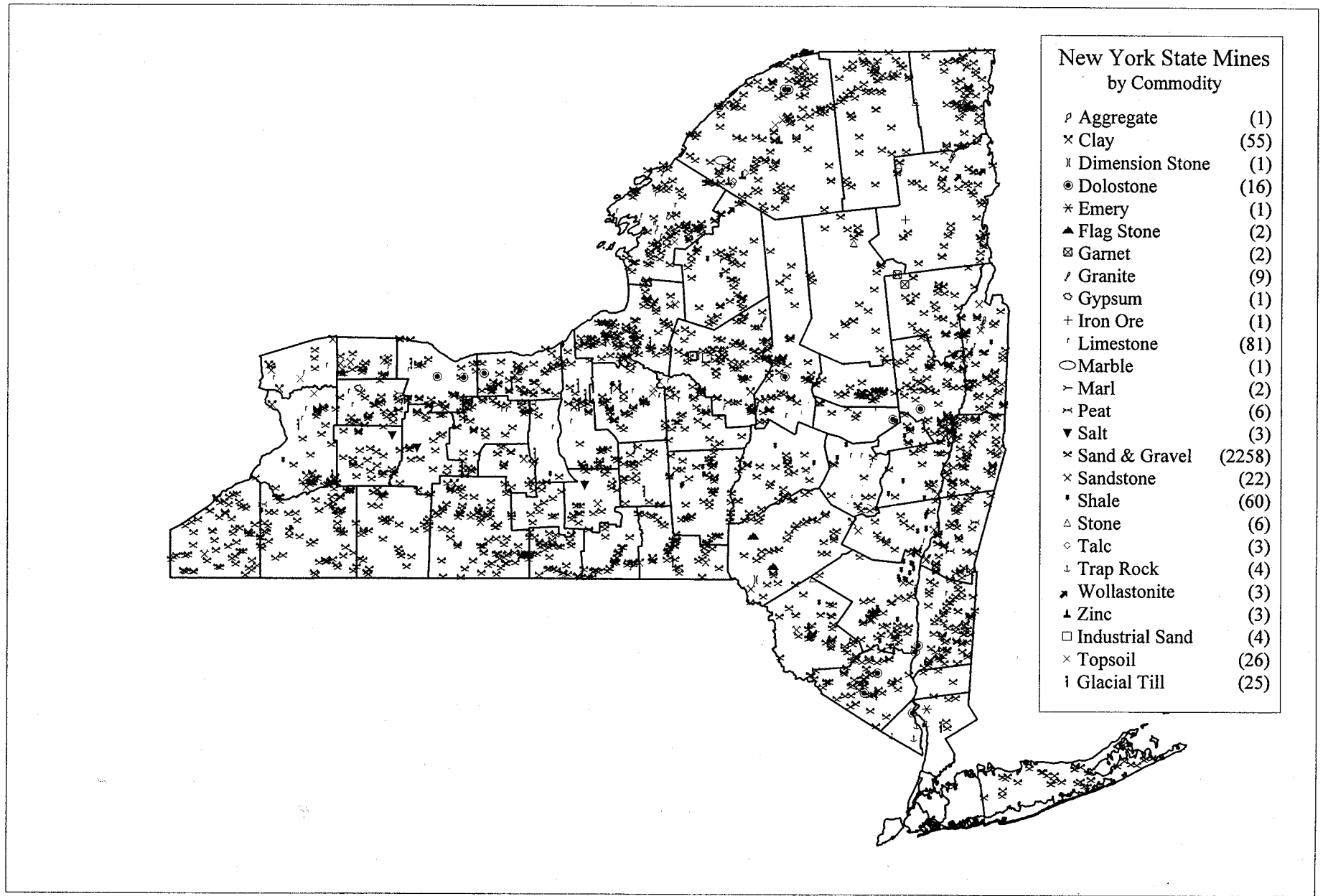
New York has regulated mining since the Mined Land Reclamation Law (MLRL) was first

enacted in 1974 and amended in 1991. The Division's primary role is to ensure that the economic development of New York's mineral resources is compatible with sound environmental management principles and the land is returned to a productive use after mining.

The Mined Land Reclamation Law states that any person proposing to mine more than 1,000 tons or 750 cubic yards of minerals from the earth in 12 successive calendar months must obtain a permit. Permit applicants must submit a mining and reclamation plan and other required environmental information. The plans must explain the proposed methods of mining and reclamation. Mined Land staff issued a total of 342 permits in 1995; of that total, 130 were new and 212 were renewals. Two thousand five hundred sixty (2,560) mines, 1,826 industry-owned and 734 government owned, were active in the state at the end of 1995. The number of acres currently disturbed by mining at the end of 1995 was 39,150 acres. A total of 13,428 acres have been reclaimed since 1974.

The map on page 20 shows the distribution and number of mines regulated by the Division as of July 23, 1996.

There are eight Mined Land Reclamation Specialists (MLRS) to oversee and inspect the 2,560 mines in New York State. That's about 320 mines for each MLRS. One MLRS is located in each region (excluding Region 2, New York City). For additional information on the MLRS in your area contact the Central Office in Albany (see map on pg. vi).



Mines regulated by the NYSDEC - Division of Mineral Resources, 1995

E-MAIL ADDRESSES

To facilitate faster responses to questions on programs the Division of Mineral Resources administrates, we have included e-mail addresses* for you to contact.

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* **Note:** In early 1997, the Department will be changing its e-mail address to:

First name.last name@dec.state.ny.us

OIL and GAS TABLES and STATISTICS

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Permits Issued During 1995 ^ 25

Oil & Gas Production by Town in Each County * 28

Oil & Gas Production by Field in Each County * 34

Oil & Gas Production by Formation in Each County * 40

^ The following codes describe the well type:

BR = Brine	GD = Gas Development	RI = Reissued
CN = Completion Report Not Received	GE = Gas Extension	SG = Stratigraphic
DH = Dry Hole	GW = Gas Wildcat	SI = Shutin
DW = Dry Wildcat	IW = Water Injection	ST = Storage
EX = Expired	xxL = Horizontally Drilled	TA = Temporilly Abandoned - by Application
	OD = Oil Development	TR = Transfer

* The statistics for these tables have been derived from information supplied by the producers in their annual production report to the Division of Mineral Resources. Closing date for compilation of statistics was June 18, 1996.

DIVISION OF MINERAL RESOURCES
OIL AND GAS STATISTICS *
(1986 - 1995)

	1986	1987	1988	1989	1990	1991	1992	1993	Rev. 1994	Prelim. 1995
ANNUAL PRODUCTION										
OIL (1000 BBLs)	853	710	567	496	417	426	406	341	299	304
GAS (MMCF)	34,796	29,549	28,125	25,673	25,112	23,438	23,582	22,145	21,537	18,747
WELL STATISTICS										
OIL	4,448	4,228	4,368	4,043	3,906	3,619	3,761	3,783	3,670	3,041
GAS	5,088	5,351	5,328	5,411	5,536	5,757	5,866	5,986	6,019	6,134
INACTIVE OIL	1,677	1,582	1,478	1,775	1,752	1,362	939	1,137	1,325	978
INACTIVE GAS	791	961	870	845	955	707	563	505	550	637
STORAGE	836	845	854	854	854	869	865	865	876	866
ACTIVE BRINE	61	60	65	64	63	64	52	80	83	70
INACTIVE BRINE	64	36	36	27	28	29	16	140	80	52 !
WATER INJECTION	1,658	1,376	1,382	1,196	1,274	875	835	859	923	782
P&A (DURING YEAR)	471	417	322	260	961	376	244	263	234	184
NUMBER OF WELLS	15,094	14,856	14,703	14,475	15,329	13,658	13,141	13,618	13,760	12,744
DRILLING AND COMPLETIONS										
1. TOTAL WELLS SPUDDED	311	217	211	217	221	213	205	134	133	111
2. TOTAL WILDCATS	14	11	10	5	12	10	5	5	2	3
3. DISCOVERIES	6	4	4	0	6	5	1	2	1	3
Oil Wildcat	1	1	0	0	0	0	0	0	0	0
Gas Wildcat	5	3	4	2	6	5	1	2	1	3
4. TOTAL DRY HOLES	13	17	18	12	16	17	17	19	7	2
5. OIL										
Development	44	19	15	28	43	51	71	26	34	20
Extension	0	0	0	0	0	0	0	0	0	0
6. GAS										
Development	271	222	150	157	132	124	73	97	50	28
Extension	2	17	10	22	10	4	1	1	0	0
7. INJECTION	0	1	0	14	1	0	0	2	0	14
8. DISPOSAL	0	1	0	0	0	0	0	0	0	0
9. STRATIGRAPHIC	1	0	1	2	3	0	0	2	41	20
10. SERVICE	0	0	1	0	0	1	1	4	0	2
11. BRINE	7	25	6	8	12	1	15	14	6	14
12. STORAGE	1	12	0	0	0	12	13	4	0	7
13. TOTAL COMPLETIONS	345	318	205	245	223	215	192	171	139	110
(3,4,5,6,7,8,9,10,11,12)										
15. TOTAL FOOTAGE (1000 FEET)	879	819	559	611	549	622	464	454	289	215
PROVEN RESERVES AT YEAR END										
GAS A. IN SITU	263,273	268,829	268,743	270,074	266,410	265,320	252,988	245,843	232,867	219,084
(MMCF) B. IN STORAGE										
RESERVOIRS	140,941	140,363	144,819	131,785	141,900	150,694	150,800	153,400	154,200	159,500
C. TOTAL	404,214	409,192	413,562	401,859	408,310	416,014	403,788	399,243	387,067	378,584
OIL (1000 BBLs)	9,854	10,425	2,000	2,441	2,001	2,100	2,962	2,900	2,800	2,850

! Includes unplugged Tully Valley Brine Wells for 1993, 1994 & 1995.

* Statistics for lines 2 - 15 are based upon received completions reports from the operators. Statistics computed on June 18, 1996.

Wildcats, Field Extensions & Stratigraphic Tests, New York State, 1995
Wildcats

Well Name	API #	Operator	County	Formation	TD	Result
NYSRA #1-18	31- 013- 22590	Oil, Gas & Land Services, Inc.	Chautauqua	Perrysburg	1,300	Discovery
Knauber 2	31- 037- 21595	New York Gas & Oil Drilling Co.	Genesee	Onondaga	453	Discovery
Clarke 1	31- 101- 21560	Eastern American Energy Corp.	Steuben	Oriskany	3,528	Discovery

Field Extensions

Well Name	API #	Operator	County	Formation	TD	Field
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There were no Field Extensions completed in New York for 1995

Stratigraphic Tests

Well Name	API #	Operator	County	Formation	TD
Well 9447	31- 051- 21562	Akzo Nobel Salt Inc.	Livingston		476
Well 9448	31- 051- 21563	Akzo Nobel Salt Inc.	Livingston		383
Well 9449	31- 051- 21564	Akzo Nobel Salt Inc.	Livingston		678
Well 9450	31- 051- 21565	Akzo Nobel Salt Inc.	Livingston		358
Well 9451	31- 051- 21566	Akzo Nobel Salt Inc.	Livingston		256
Well 9459	31- 051- 21573	Akzo Nobel Salt Inc.	Livingston		1,720
Well 9453	31- 051- 21572	Akzo Nobel Salt Inc.	Livingston		1,646
Well 9454	31- 051- 21574	Akzo Nobel Salt Inc.	Livingston		1,771
Well 9455	31- 051- 21575	Akzo Nobel Salt Inc.	Livingston		1,976
Well 9456	31- 051- 21576	Akzo Nobel Salt Inc.	Livingston		1,855
Well 9457	31- 051- 21577	Akzo Nobel Salt Inc.	Livingston		1,740
Well 9458	31- 051- 21578	Akzo Nobel Salt Inc.	Livingston		1,772
Well 9461	31- 051- 21580	Akzo Nobel Salt Inc.	Livingston		323
Well 9462	31- 051- 21581	Akzo Nobel Salt Inc.	Livingston		261
Well 9563	31- 051- 21582	Akzo Nobel Salt Inc.	Livingston		1,050
Well 9565	31- 051- 21597	Akzo Nobel Salt Inc.	Livingston		910
Well 9566	31- 051- 21599	Akzo Nobel Salt Inc.	Livingston		448
Well 9567	31- 051- 21600	Akzo Nobel Salt Inc.	Livingston		750
Well 9568	31- 051- 21602	Akzo Nobel Salt Inc.	Livingston		480
Well 9569	31- 051- 21603	Akzo Nobel Salt Inc.	Livingston		257

Permits Issued During 1995

County	Town	Owner	API		TD	Spud Well		
			Number	Well Name		Date	Type	Formation
Allegany	Andover	Otis Eastern Service Inc	003 - 22577	D. Duke #1-D	1,405	6/27/95	OD	Fulmer Valley
Allegany	Andover	Otis Eastern Service Inc	003 - 22578	H. Ford #2-F	1,525	6/23/95	OD	Fulmer Valley
Allegany	Andover	Otis Eastern Service Inc	003 - 22579	J. Dean #2	1,525	6/15/95	OD	Fulmer Valley
Allegany	Andover	Otis Eastern Service Inc	003 - 22580	B. Clark #1-C	1,225	6/20/95	OD	Fulmer Valley
Allegany	Andover	Otis Eastern Service Inc	003 - 22581	Lot 47 #3A	4,906	8/15/95	RI	Fulmer Valley
Allegany	Bolivar	J. J. Bucher Producing Corp.	003 - 22552	Wheeler #88	1,548	3/14/95	IW	Richburg
Allegany	Genesee	Smith, Ronald L.	003 - 22589	Bliss #27	0	**/**/**	EX	
Allegany	Independence	National Fuel Gas Supply Corp.	003 - 14571	Whitesell, A #SC546	4775	12/5/79	RI	Oriskany
Allegany	Independence	Richardson Petroleum Corp	003 - 22595	Mattison #1	1,999	9/27/95	OD	Fulmer Valley
Allegany	Independence	Richardson Petroleum Corp	003 - 22602	Mattison #3	0	**/**/**	CN	
Allegany	Willing	Seneca Resources Corp.	003 - 20116	NFG (Cunningham) #SC49C	4935	11/11/85	RI	Oriskany
Broome	Kirkwood	Belden & Blake Corporation	007 - 21568	Beagell 01	5,289	10/21/95	DH	
Cattaraugus	Allegany	Hydro-Carbon Generation Inc.	009 - 22548	Sherwin-Benson #7	0	**/**/**	CN	
Cattaraugus	Allegany	Hydro-Carbon Generation Inc.	009 - 22551	Zink-Benson #1	3,695	4/6/95	GD	Oriskany
Cattaraugus	Allegany	Putt, Floyd J.	009 - 22576	Fee #1A	1,283	5/19/95	OD	Bradford
Cattaraugus	Ashford	A. J. Lease Account	009 - 22597	Ford #1	0	10/20/95	CN	
Cattaraugus	Ashford	A. J. Lease Account	009 - 22593	Nagel Unit #1	3,938	8/16/95	OD	Medina
Cattaraugus	New Albion	Matrix Energy Development	009 - 22563	Reid M. #1	4,135	3/31/95	GD	Medina
Cattaraugus	Olean	East Resources, Inc.	009 - 22572	Coast #101	2,025	5/15/95	OD	Bradford
Cattaraugus	Yorkshire	A. J. Lease Account	009 - 22566	Medina Power Co MPC #3	3,459	4/13/95	GD	Medina
Cattaraugus	Yorkshire	A. J. Lease Account	009 - 22545	Medina Power Co.#2	3,432	2/22/95	GD	Medina
Chautauqua	Busti	Curtis & Son Oil, Inc.	013 - 22573	Anderson #13	770	8/11/95	OD	Glade
Chautauqua	Busti	Decker, Lucille B.	013 - 22550	Tellinghusion/Potter D-1	655	3/2/95	OD	Glade
Chautauqua	Busti	Libra Petroleum Co	013 - 22598	Crandall, L #33	0	10/31/95	CN	
Chautauqua	Busti	Libra Petroleum Co	013 - 22599	Crandall, L #35	0	4/17/96	CN	
Chautauqua	Busti	Libra Petroleum Co	013 - 22600	Crandall, L #34	0	11/6/95	CN	
Chautauqua	Busti	Libra Petroleum Co	013 - 22601	Crandall, L #39	0	4/19/96	CN	
Chautauqua	Busti	Pefley Oil & Gas Inc.	013 15263	Babyak #2	4476	7/7/80	RI	Medina
Chautauqua	Busti	Pefley Oil & Gas Inc.	013 22506	Nelson, M #8G	539	3/30/95	RI	Glade
Chautauqua	Busti	Pefley Oil & Gas Inc.	013 22508	Nelson, M #6GA	0	9/6/95	RI	
Chautauqua	Busti	Pefley Oil & Gas Inc.	013 22512	Drayer #8GA	0	9/12/95	RI	
Chautauqua	Charlotte	Belden & Blake Corporation	013 - 22586	Healy #2 #8471	3,375	8/7/95	GD	Medina
Chautauqua	Charlotte	Matrix Energy Development	013 - 22542	Hadley, G. #1A	3,630	2/21/95	GD	Medina
Chautauqua	Charlotte	Oil, Gas & Land Services, Inc.	013 - 22582	NYSRA #1-13	0	7/12/95	CN	Medina
Chautauqua	Charlotte	Oil, Gas & Land Services, Inc.	013 - 22590	NYSRA #1-18	1,300	8/3/95	OW	Perrysburg
Chautauqua	Chautauqua	Schreiner Oil & Gas Inc.	013 - 22547	Laporte #2	3,151	3/30/95	GD	Medina
Chautauqua	Chautauqua	Schreiner Oil & Gas Inc.	013 - 22565	Reynolds #1	3,120	6/27/95	GD	Medina
Chautauqua	Ellery	Matrix Energy Development	013 - 22539	Parker, D #1	4,200	1/24/95	GD	Medina
Chautauqua	Ellery	New York Gas & Oil Drilling Co	013 - 22588	Gorczyca #1	7,136	7/12/95	CN	
Chautauqua	Ellicott	Nornew,Inc	013 - 22567	Mt Olivet Cemetery #1	4,188	4/21/95	GD	Medina
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22540	Winton-Oag 1	2,481	1/18/95	GD	Onondaga
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22541	OAG 9	2,448	1/27/95	GD	Onondaga
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22549	Gross #8	3,628	2/21/95	GD	Onondaga
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22553	Boy's Club #1	3,788	3/20/95	GD	Medina
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22560	Lindstrom #2	3,712	3/24/95	OD	Bass Island
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22561	VFD #1	3,764	3/28/95	GD	Medina
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22564	Boy's Club #2	3,790	4/1/95	GD	Medina
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22583	Picard #1	3,766	6/29/95	GD	Medina
Chautauqua	North Harmony	Chautauqua Energy Inc.	013 20393	Butts #1A	4091	**/**/**	RI	Onondaga
Chautauqua	North Harmony	Resource America, Inc.	013 - 22592	Carlson #2B	2,913	11/29/95	OD	Onondaga
Chautauqua	Portland	Belden & Blake Corporation	013 - 22587	Morrison #2 #8472	2,708	7/31/95	GD	Medina
Chautauqua	Portland	Schreiner Oil & Gas Inc.	013 - 22546	Wiseman #1	3,052	3/30/95	GD	Medina
Chautauqua	Stockton	Belden & Blake Corporation	013 - 22584	Barber #2 #8470	3,575	7/12/95	GD	Medina
Chautauqua	Stockton	Belden & Blake Corporation	013 - 22585	Buseck #2 #8469	3,505	7/20/95	GD	Medina
Chautauqua	Westfield	Schreiner Oil & Gas Inc.	013 - 22596	Schofield S.P. 127 #1	5,935	12/13/95	DW	
Erie	Cheektowaga	Saint Barnabas R.C. Church	029 - 22591	Fee #2	1,102	2/1/96	GD	Medina

Permits Issued During 1995

County	Town	Owner	API		TD	Spud Well		
			Number	Well Name		Date	Type	Formation
Erie	Colden	Matrix Energy Development	029 - 22562	Walek E. #1	2,825	3/31/95	GD	Medina
Erie	Concord	U S Energy Development Corp	029 - 22603	Dzara Unit #1	0	5/28/96	CN	
Erie	Orchard Park	Schreiner Oil & Gas Inc.	029 - 22543	DPS #1	1,876	3/14/95	GD	Medina
Erie	Orchard Park	Schreiner Oil & Gas Inc.	029 - 22544	DPS #2	1,800	3/7/95	GD	Medina
Genesee	Darien	New York Gas & Oil Drilling Co	037 - 21596	Grant 1	465	5/19/95	GD	Onondaga
Genesee	Darien	New York Gas & Oil Drilling Co	037 - 21594	Knauber 1	452	5/23/95	GD	Medina
Genesee	Darien	New York Gas & Oil Drilling Co	037 - 21595	Knauber 2	453	5/12/95	GW	Onondaga
Genesee	Darien	New York Gas & Oil Drilling Co	037 - 21619	Knauber 3	0	**/**/**	TR	
Livingston	Avon	Akzo Nobel Salt Inc	051 - 21603	Well 9569	257	9/26/95	SG	
Livingston	Avon	Akzo Nobel Salt Inc	051 - 21604	Well 9570	207	10/23/95	SG	
Livingston	Avon	Akzo Nobel Salt Inc	051 - 21605	Well 9571	0	**/**/**	SG	
Livingston	Geneseo	Akzo Nobel Salt Inc	051 - 21574	Well 9454	1,771	3/4/95	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21575	Well 9455	1,976	1/25/95	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21576	Well 9456	1,855	1/9/95	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21577	Well 9457	1,740	3/1/95	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21578	Well 9458	1,772	2/3/95	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21582	Well 9563	1,050	2/7/95	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21583	Well 9564	0	**/**/**	EX	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21597	Well 9565	910	5/4/95	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21599	Well 9566	448	8/28/95	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21600	Well 9567	750	12/5/95	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21562	Well 9447	476	5/9/95	RI	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21563	Well 9448	383	5/1/95	RI	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21579	Well 9460	571	3/21/95	OB	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21580	Well 9461	323	8/8/95	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21581	Well 9462	261	7/25/95	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21602	Well 9568	480	8/14/95	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21620	Well 9572	1,085	11/18/95	SE	
Schuyler	Reading	New York State Electric & Gas	097 - 03892	Watkins Glen 28	2,649	11/8/95	RI	Syracuse
Schuyler	Reading	New York State Electric & Gas	097 - 21618	Watkins Glen 59	2,042	9/23/95	ST	Syracuse
Steuben	Avoca	Avoca Natural Gas Storage Inc	101 - 21601	Mitchell 2	0	9/11/95	CN	
Steuben	Bath	Bath Petroleum Storage Inc.	101 - 21584	BPS 10	3,596	6/20/95	ST	Syracuse
Steuben	Bath	Bath Petroleum Storage Inc.	101 - 21588	BPS Well 11	3,777	6/2/95	ST	Syracuse
Steuben	Bath	Bath Petroleum Storage Inc.	101 - 21589	BPS Well 12	3,601	7/24/95	ST	Syracuse
Steuben	Bath	Bath Petroleum Storage Inc.	101 - 21590	BPS Well 13	3,616	8/27/95	ST	Syracuse
Steuben	Bath	Bath Petroleum Storage Inc.	101 - 21598	BPS Well 2A	0	7/12/95	DH	
Steuben	Bath	Bath Petroleum Storage Inc.	101 - 21587	BPS Well 9	3,766	5/8/95	ST	Syracuse
Steuben	Erwin	Vandermark Exploration Inc	101 - 21591	Erwin Game Management 1	3,768	1/4/96	GW	Oriskany
Steuben	Hornellsville	Eastern American Energy Corp.	101 - 21593	Hollands 1	0	**/**/**	EX	
Steuben	Pulteney	Columbia Natural Resources	101 - 21592	Gray 21625	7,493	6/30/95	GWL	Black River
Steuben	West Union	Richardson Petroleum Corp	101 - 21585	Neuenschwander 21	1,850	4/13/95	OD	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21586	Neuenschwander 22	1,849	4/18/95	OD	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21606	Neuenschwander 23	1,226	8/28/95	IW	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21607	Neuenschwander 24	1,223	8/30/95	IW	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21608	Neuenschwander 25	1,215	9/2/95	IW	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21609	Neuenschwander 26	1,211	9/4/95	IW	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21610	Neuenschwander 27	1,202	9/3/95	IW	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21611	Neuenschwander 28	1,215	9/22/95	IW	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21612	Neuenschwander 29	1,234	9/7/95	IW	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21613	Neuenschwander 30	1,231	9/11/95	IW	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21614	Neuenschwander 31	1,176	9/20/95	IW	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21615	Neuenschwander 32	1,263	9/17/95	IW	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21616	Neuenschwander 33	1,231	9/14/95	IW	Fulmer Valley
Steuben	West Union	Richardson Petroleum Corp	101 - 21617	Neuenschwander 34	1,206	9/12/95	IW	Fulmer Valley
Steuben	Woodhull	CNG Transmission Corp.	101 - 03924	Olin [N650S]	13,500	5/14/96	RI	Oriskany
Wyoming	Bennington	United States Gypsum Co.	121 - 22594	Schlossin R #1	1,745	9/5/95	GD	Medina

Permits Issued During 1995

County	Town	Owner	API Number	Well Name	TD	Spud Well		
						Date	Type	Formation
Wyoming	Middlebury	Texas Brine Corp	121 - 22569	Hooker #119	1,534	6/15/95	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22570	Hooker #120	1,515	7/10/95	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22568	Hooker #121	1,523	6/26/95	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22571	Hooker #122	1,491	7/3/95	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22575	Hooker #96	1,702	7/31/95	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22574	Hooker #97	1,601	7/24/95	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22554	Texas Brine #62	1,402	5/30/95	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22555	Texas Brine #63	1,428	6/5/95	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22556	Texas Brine #67	1,395	5/15/95	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22557	Texas Brine #68	1,400	5/22/95	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22558	Texas Brine #69	0	6/27/96	BR	
Wyoming	Middlebury	Texas Brine Corp	121 - 22559	Texas Brine #70	0	6/13/96	BR	

1995 Oil and Gas Production by Town in Each County

Town	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Allegany County								
Alfred	0	0	0	0	0	0	1	0
Alma	4,612	18,768	5,078	240	85	32	3	48
Almond	0	0	0	0	0	0	1	0
Amity	170	43,078	929	4	0	20	1	0
Andover	4,251	331	2,095	84	18	21	0	0
Bolivar	8,046	2,228	29,836	388	283	5	0	180
Caneadea	0	0	0	0	0	0	1	0
Centerville	0	0	0	0	0	0	1	0
Clarksville	554	40	60	10	9	0	0	0
Friendship	123	634	219	1	0	1	0	0
Genesee	1,274	5,975	755	43	116	27	4	70
Independence	19,546	49,698	80,371	233	1	4	2	28
Scio	262	27,172	1,874	99	90	6	1	21
Ward	2	210	0	0	0	14	14	8
Wellsville	3,231	50	120	83	25	2	0	7
Willing	0	95,476	1	0	30	2	9	0
Wirt	1,222	0	1,740	100	59	0	2	0
County Total	43,293	243,660	123,078	1,285	716	134	40	362
Cattaraugus County								
Allegany	51,840	4,698	416,346	745	67	44	3	237
Ashford	0	22,373	5	1	0	11	7	0
Carrollton	60,420	112,781	10,726	554	110	7	4	28
Cold Spring	0	0	0	1	0	4	0	0
Conewango	0	260,222	23	0	0	76	2	0
Dayton	0	78,297	66	0	0	46	0	0
East Otto	0	5,923	72	0	0	7	2	0
Ellicottville	0	11,579	3	0	0	12	1	0
Farmersville	213	0	0	3	1	0	2	0
Freedom	0	6,857	1	0	0	8	2	0
Great Valley	0	1,458	0	0	0	1	0	0
Hinsdale	25	0	2	4	0	0	0	0
Leon	0	826,842	148	0	0	75	5	0
Little Valley	0	200	0	0	0	1	0	0
Machias	0	6,592	0	0	0	3	3	0
Mansfield	0	0	0	0	0	1	0	0
Napoli	0	3,770	0	0	0	3	1	0
New Albion	0	9,989	0	0	0	11	1	0
Olean	5,750	188,385	341	105	61	1	0	142
Otto	0	94,964	448	0	0	50	8	0
Perrysburg	0	588	0	0	0	8	0	0
Persia	0	177,329	0	0	0	78	1	0
Portville	57	0	0	5	0	0	0	0
Randolph	631	173,248	6	0	0	86	0	0
South Valley	0	2,388	0	0	0	2	0	0
Yorkshire	0	62,275	12	0	0	16	1	0
County Total	118,936	2,050,758	428,199	1,418	239	551	43	407

1995 Oil and Gas Production by Town in Each County

Town	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Cayuga County								
Aurelius	0	657,610	696	0	0	134	1	0
Cato	0	1	0	0	0	1	0	0
Fleming	0	118,048	2,058	0	0	31	0	0
Ledyard	0	1	0	0	0	1	0	0
Owasco	0	400	0	0	0	2	0	0
Scipio	0	0	0	0	0	1	0	0
Sennett	0	6,733	0	0	0	2	0	0
Springport	0	560,588	687	0	0	111	4	0
Summerhill	0	0	0	0	0	1	0	0
Throop	0	8,212	0	0	0	9	0	0
County Total	0	1,351,593	3,441	0	0	293	5	0
Chautauqua County								
Arkwright	0	196,998	2,249	0	0	117	9	0
Busti	15,818	590,974	3,386	187	14	322	24	0
Carroll	0	113,903	5	0	3	49	2	0
Charlotte	4,966	168,055	3,021	0	0	93	11	0
Chautauqua	0	742,293	3,721	0	0	306	17	0
Cherry Creek	0	165,448	578	0	0	118	5	0
Clymer	5,169	846,535	12,409	3	0	97	24	0
Dunkirk	0	109,128	1,260	0	0	42	5	0
Ellery	4,297	496,491	7,623	13	5	106	15	0
Ellicott	0	200,056	176	0	0	51	0	0
Ellington	0	253,322	70	0	0	167	13	0
French Creek	0	72,030	649	0	0	60	27	0
Gerry	17,764	518,207	9,134	13	0	143	18	0
Hanover	0	144,193	2,975	0	0	66	16	0
Harmony	0	367,546	9,131	0	0	106	11	0
Jamestown	0	31,402	43	0	0	2	0	0
Kiantone	0	114,129	70	0	0	31	0	0
Mina	3	85,437	1,661	0	0	64	14	0
North Harmony	13,600	461,169	24,543	4	1	141	20	0
Poland	0	343,009	30	0	0	109	0	0
Pomfret	1	635,495	3,440	1	0	172	16	0
Portland	0	302,815	727	0	0	132	4	0
Ripley	0	184,053	1,816	0	0	136	39	0
Sheridan	0	219,066	1,590	0	0	82	10	0
Sherman	715	241,251	4,877	1	0	71	3	0
Stockton	0	203,133	1,586	0	0	107	4	0
Villanova	0	171,755	1,026	0	0	74	3	0
Westfield	0	718,879	3,064	0	0	244	20	0
County Total	62,333	8,696,772	100,860	222	23	3,208	330	0
Chemung County								
Elmira	0	2,650	0	0	0	1	0	0
Van Etten	0	0	0	0	0	2	0	0
County Total	0	2,650	0	0	0	3	0	0

1995 Oil and Gas Production by Town in Each County

Town	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Erie County								
Alden	0	80,657	711	0	0	54	9	0
Amherst	0	0	0	0	0	0	1	0
Aurora	0	97,181	1,095	0	0	42	9	0
Boston	0	55,637	610	0	0	34	0	0
Brant	0	224,729	3,637	0	0	106	7	0
Buffalo	0	610	0	0	0	1	0	0
Cheektowaga	0	4,547	0	0	0	9	0	0
Clarence	0	2,134	1	0	0	4	1	0
Colden	0	4,849	0	0	0	9	1	0
Collins	0	1,410	0	0	0	4	0	0
Concord	0	207,775	472	0	0	58	0	0
Eden	0	177,935	2,736	0	0	131	13	0
Elma	0	173,508	784	0	0	40	12	0
Evans	0	209,366	3,171	0	0	87	15	0
Hamburg	0	119,699	160	0	0	41	6	0
Holland	0	0	0	0	0	1	2	0
Lackawanna	0	1,154	0	0	0	2	1	0
Lancaster	0	78,150	5	0	0	25	4	0
Marilla	0	42,382	76	0	0	27	9	0
Newstead	0	245,150	190	0	0	49	11	0
North Collins	0	71,584	362	0	0	52	9	0
Orchard Park	67	52,817	30	1	0	31	8	0
Sardinia	0	26,482	29	0	0	13	0	0
Tonawanda	0	1,994	0	0	0	6	1	0
Wales	0	13,322	337	0	0	10	4	0
West Seneca	0	14,122	0	0	0	4	1	0
County Total	67	1,907,194	14,406	1	0	840	124	0
Genesee County								
Alabama	0	29,504	100	0	0	28	0	0
Alexander	0	68,189	917	0	0	35	0	0
Batavia	0	69,915	363	0	0	41	5	0
Bergen	0	56,656	0	0	0	3	0	0
Bethany	0	30,133	1,447	0	0	29	0	0
Darien	0	535,244	2,554	0	0	207	4	0
Elba	0	3,578	168	0	0	1	0	0
Le Roy	0	31,891	0	0	0	10	0	0
Oakfield	0	21,416	68	0	0	13	0	0
Pavilion	0	26,464	0	0	0	20	1	0
Pembroke	0	211,228	781	0	0	108	2	0
Stafford	0	365	0	0	0	2	0	0
County Total	0	1,084,583	6,398	0	0	497	12	0
Livingston County								
Avon	0	20,145	0	0	0	13	3	0
Caledonia	0	70,038	230	0	0	48	0	1
Groveland	0	0	0	0	0	2	0	0
Leicester	0	51,277	215	0	0	18	4	0

1995 Oil and Gas Production by Town in Each County

Town	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Portage	0	1,234	0	0	0	1	0	0
Livingston County (Cont)								
Sparta	0	0	0	0	0	0	1	0
West Sparta	0	50	0	0	0	8	0	0
York	0	56,477	0	0	0	50	6	0
County Total	0	199,221	445	0	0	140	14	1
Madison County								
Brookfield	0	0	0	0	0	1	0	0
Lebanon	0	43,651	0	0	0	3	0	0
County Total	0	43,651	0	0	0	4	0	0
Niagara County								
Lewiston	0	1,500	0	0	0	1	0	0
County Total	0	1,500	0	0	0	1	0	0
Oneida County								
Sangerfield	0	0	0	0	0	1	2	0
County Total	0	0	0	0	0	1	2	0
Onondaga County								
Lafayette	0	0	0	0	0	0	0	1
Lysander	0	0	0	0	0	1	1	0
County Total	0	0	0	0	0	1	1	1
Ontario County								
Bristol	0	7,906	0	0	0	3	0	0
East Bloomfield	0	61,704	0	0	0	12	2	0
Geneva	0	1,241	0	0	0	2	1	0
Phelps	0	0	0	0	0	0	1	0
Richmond	0	2,471	0	0	0	2	0	0
West Bloomfield	0	4,993	0	0	0	2	0	0
County Total	0	78,315	0	0	0	21	4	0
Oswego County								
Richland	0	100	0	0	0	3	5	0
West Monroe	0	0	0	0	0	1	0	0
Williamstown	0	100	0	0	0	1	1	0
County Total	0	200	0	0	0	5	6	0

1995 Oil and Gas Production by Town in Each County

Town	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Seneca County								
Fayette	0	427,399	1,179	0	0	92	1	0
Junius	0	0	0	0	0	1	0	0
Seneca Falls	0	1,750	0	0	0	1	0	0
Varick	0	187,242	561	0	0	44	0	0
Waterloo	0	0	0	0	0	0	1	0
County Total	0	616,391	1,740	0	0	138	2	0
Steuben County								
Avoca	0	1,923	0	0	0	2	3	0
Bath	0	24,306	2	0	0	2	0	0
Cameron	0	0	0	0	0	1	1	0
Canisteo	0	0	0	0	0	0	1	0
Dansville	0	28,009	0	0	0	1	0	0
Greenwood	444	1,200	2,220	4	0	1	0	0
Hartsville	0	0	0	0	0	1	2	0
Hornby	0	2,889	331	0	0	2	1	0
Hornellsville	0	5,577	0	0	0	1	0	0
Howard	0	2,239	0	0	0	2	0	0
Jasper	0	69,566	6	0	0	2	5	0
Pulteney	0	0	0	0	0	0	2	0
Troupsburg	0	0	0	0	0	0	1	0
West Union	11,660	10,013	1,211	111	0	1	3	11
County Total	12,104	145,722	3,770	115	0	16	19	11
Tioga County								
Nichols	0	225,950	26	0	0	4	0	0
Owego	0	1,606,658	307	0	0	5	4	0
County Total	0	1,832,608	333	0	0	9	4	0
Wayne County								
Butler	0	990	0	0	0	1	0	0
County Total	0	990	0	0	0	1	0	0
Wyoming County								
Arcade	0	65,595	7	0	0	38	1	0
Attica	0	22,360	0	0	0	1	0	0
Bennington	0	200,077	2,237	0	0	88	2	0
Castile	0	2,910	15	0	0	1	0	0
Covington	0	36,186	40	0	0	21	5	0
Genesee Falls	0	0	0	0	0	0	1	0
Java	0	21,488	23	0	0	22	1	0
Middlebury	0	0	0	0	0	0	8	0
Perry	0	76,710	195	0	0	41	3	0

1995 Oil and Gas Production by Town in Each County

Town	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Sheldon	0	50,090	863	0	0	42	1	0
Wyoming County (Cont)								
Warsaw	0	3,720	0	0	0	6	0	0
County Total	0	479,136	3,380	0	0	260	22	0
Yates County								
Barrington	0	0	0	0	0	0	1	0
Benton	0	8,646	0	0	0	9	2	0
Milo	0	181	0	0	0	1	0	0
Potter	0	0	0	0	0	0	1	0
Torrey	0	3,286	0	0	0	1	0	0
County Total	0	12,113	0	0	0	11	4	0
State Total	236,733	18,747,057	686,050	3,041	978	6,134	632	782

1995 Oil and Gas Production by Field in Each County

Field	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Allegany County								
Alfred	0	210	0	0	0	3	1	0
Alma	0	0	0	0	20	0	0	0
Andover	472	105	2,020	11	0	0	0	0
Beech Hill-Independence	20,149	49,748	80,381	244	1	5	7	28
Ceres	363	5,000	120	14	2	1	1	0
Clarksville	554	40	60	10	9	0	0	0
Ford'S Brook	104	50	60	97	33	2	0	34
Friendship	0	634	0	0	0	1	0	0
Fulmer Valley	6,407	176	185	145	59	20	0	7
Gilbert	0	0	0	0	0	0	1	0
Gordon Brook	0	70,250	2,043	0	0	8	1	0
Houghton	0	0	0	0	0	0	1	0
Karr Valley	0	0	0	0	0	0	1	0
Nile	123	0	219	1	0	0	0	0
Richburg	14,799	11,280	37,357	702	575	60	1	285
Scio	322	0	632	61	17	29	15	8
Sherry Hill	0	0	0	0	0	0	3	0
State Line	0	106,167	1	0	0	5	7	0
Unnamed	0	0	0	0	0	0	1	0
County Total	43,293	243,660	123,078	1,285	716	134	40	362
Cattaraugus County								
Ashford	0	19,627	5	0	0	11	4	0
Bradford	92,231	208,150	387,321	1,044	130	39	0	337
Chaffee-Arcade	0	72,524	13	0	0	22	1	0
Chipmunk	16,984	93,016	39,201	166	52	4	4	61
Connoisarauley Creek	0	0	0	0	0	0	1	0
Dayton	0	20,899	0	0	0	6	0	0
Dutch Hill	0	2,746	0	1	0	0	1	0
Ellicottville	0	109	0	0	0	3	0	0
Farmersville	213	0	0	3	1	0	0	0
Five Mile	7,963	4,698	886	191	51	0	2	9
Four Mile	914	0	7	12	5	9	1	0
Great Valley	0	1,458	0	0	0	1	0	0
Hog Hollow	0	3,200	0	0	0	1	3	0
Hotchkiss Hollow	0	0	0	1	0	4	0	0
Indian Creek	0	0	0	0	0	1	0	0
Jersey Hollow	0	0	0	0	0	1	0	0
Lakeshore	631	1,606,615	303	0	0	436	21	0
Little Valley	0	200	0	0	0	1	0	0
Nashville	0	4,266	0	0	0	1	0	0
Perrysburg	0	118	0	0	0	1	0	0
Pigeon Hill	0	0	0	0	0	4	1	0
Unnamed	0	0	0	0	0	0	1	0
Utley Brook	0	13,132	463	0	0	6	3	0
County Total	118,936	2,050,758	428,199	1,418	239	551	43	407

1995 Oil and Gas Production by Field in Each County

Field	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Cayuga County								
Auburn	0	400	0	0	0	2	0	0
Blue Tail Rooster	0	1	0	0	0	1	0	0
Summerhill	0	0	0	0	0	1	0	0
Wells College	0	1	0	0	0	1	0	0
West Auburn	0	1,351,191	3,441	0	0	288	5	0
County Total	0	1,351,593	3,441	0	0	293	5	0
Chautauqua County								
Busti	15,818	9,410	2,025	187	14	206	11	0
Carroll	0	0	0	0	3	0	0	0
Cassadaga Creek	0	5,773	0	0	0	1	0	0
Clymer	4,857	26,870	1,465	2	0	6	0	0
Clymer Hill	312	0	0	1	0	0	0	0
Conewango Creek	0	195	0	0	0	1	0	0
Ellery	4,297	12,200	4,877	13	5	1	4	0
Folsom Creek	208	713	0	1	0	1	0	0
Fredonia	1	0	0	1	0	0	0	0
Gerry-Charlotte	20,280	104,163	5,381	12	0	15	9	0
Harmony	715	812	573	1	0	0	0	0
Kelly Hill	0	8,430	125	0	0	1	0	0
Lakeshore	2,341	8,459,715	76,546	0	0	2,948	300	0
Mud Creek	0	8	0	0	0	1	0	0
Nashville	0	6,809	1	0	0	2	0	0
North Harmony	13,504	46,219	9,797	4	1	21	6	0
Sprague Hill	0	15,455	0	0	0	3	0	0
Unnamed	0	0	70	0	0	1	0	0
County Total	62,333	8,696,772	100,860	222	23	3,208	330	0
Chemung County								
Doolittle Hill	0	0	0	0	0	1	0	0
Elmira	0	2,650	0	0	0	1	0	0
Van Etten	0	0	0	0	0	1	0	0
County Total	0	2,650	0	0	0	3	0	0
Erie County								
Akron	0	168,749	100	0	0	21	4	0
Alden-Lancaster	0	239,160	807	0	0	116	21	0
Brant-Eden	0	484,466	7,184	0	0	289	24	0
Buffalo	0	5,693	0	0	0	14	3	0
Buffalo Creek	0	48,771	169	0	0	28	5	0
Central Wales	0	72	0	0	0	5	2	0
Chaffee-Arcade	0	4,247	0	0	0	2	0	0
Chestnut Ridge	0	0	0	0	0	0	1	0
Clarence	0	200	0	0	0	1	1	0
Concord	0	107,259	370	0	0	45	0	0

1995 Oil and Gas Production by Field in Each County

Field	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Erie County (Cont)								
Concord-Onondaga	0	76,306	12	0	0	4	0	0
Cowlesville	0	5,469	32	0	0	7	5	0
East Aurora	0	99,505	1,095	0	0	40	7	0
Elma	0	122,791	719	0	0	24	11	0
Glenwood	0	3,257	0	0	0	5	3	0
Holland	0	0	0	0	0	0	1	0
Lakeshore	0	8,857	210	0	0	9	3	0
Lakeview	0	235,238	2,825	0	0	89	13	0
North Collins	0	77,787	427	0	0	52	9	0
Orchard Park-Hamburg	0	130,142	185	0	0	52	7	0
Sardinia	0	33,477	29	0	0	16	0	0
South Wales	0	0	0	0	0	1	0	0
Tonawanda	0	794	0	0	0	2	0	0
Travers	67	0	0	1	0	0	0	0
Wales	0	9,067	242	0	0	3	2	0
West Seneca	0	45,071	0	0	0	14	2	0
Zoar	0	816	0	0	0	1	0	0
County Total	67	1,907,194	14,406	1	0	840	124	0
Genesee County								
Akron	0	273	0	0	0	1	0	0
Alden-Lancaster	0	354,433	402	0	0	135	4	0
Alexander	0	4,727	0	0	0	1	0	0
Bergen	0	56,656	0	0	0	3	0	0
Bethany	0	30,133	1,447	0	0	29	0	0
Danley Corners	0	77,870	1,065	0	0	27	0	0
Ellicott Creek	0	10	0	0	0	2	0	0
Huron Creek	0	368,098	2,813	0	0	176	2	0
Indian Falls	0	133,663	671	0	0	91	5	0
Pavilion	0	6,754	0	0	0	7	1	0
Roanoke	0	3,113	0	0	0	5	0	0
Uhley Corners-Caledonia	0	48,853	0	0	0	20	0	0
County Total	0	1,084,583	6,398	0	0	497	12	0
Livingston County								
Avon	0	20,145	0	0	0	13	3	0
Dansville	0	50	0	0	0	7	0	0
Finnegan Hill	0	20,174	0	0	0	10	0	0
Groveland	0	0	0	0	0	2	0	0
Hunt Hollow	0	1,234	0	0	0	2	0	0
Leicester	0	9,220	70	0	0	12	5	0
Silver Lake	0	43,347	145	0	0	12	0	0
Sparta	0	0	0	0	0	0	1	0
Uhley Corners-Caledonia	0	105,051	230	0	0	82	5	1
County Total	0	199,221	445	0	0	140	14	1

1995 Oil and Gas Production by Field in Each County

Field	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Madison County								
Lebanon	0	43,651	0	0	0	3	0	0
Sangerfield	0	0	0	0	0	1	0	0
County Total	0	43,651	0	0	0	4	0	0
Niagara County								
Sanborn	0	1,500	0	0	0	1	0	0
County Total	0	1,500	0	0	0	1	0	0
Oneida County								
Sangerfield	0	0	0	0	0	1	1	0
Unnamed	0	0	0	0	0	0	1	0
County Total	0	0	0	0	0	1	2	0
Onondaga County								
Baldwinsville	0	0	0	0	0	1	0	1
Cross Lake	0	0	0	0	0	0	1	0
County Total	0	0	0	0	0	1	1	1
Ontario County								
Benton Run	0	1,241	0	0	0	2	1	0
East Bloomfield	0	61,704	0	0	0	12	2	0
Melvin Hill	0	0	0	0	0	0	1	0
Vincent	0	7,906	0	0	0	3	0	0
West Bloomfield	0	5,193	0	0	0	3	0	0
Whetstone Brook	0	2,271	0	0	0	1	0	0
County Total	0	78,315	0	0	0	21	4	0
Oswego County								
Bass Lake	0	100	0	0	0	1	0	0
Kasoag	0	0	0	0	0	0	1	0
Little France	0	0	0	0	0	1	0	0
Pulaski	0	100	0	0	0	3	5	0
County Total	0	200	0	0	0	5	6	0
Seneca County								
Fayette-Waterloo	0	597,882	1,740	0	0	133	1	0
Geneva	0	0	0	0	0	0	1	0
Neilson Road Pool	0	14,538	0	0	0	1	0	0
Reeder Creek	0	2,021	0	0	0	1	0	0
Rose Hill	0	200	0	0	0	1	0	0
Seneca Falls	0	1,750	0	0	0	1	0	0

1995 Oil and Gas Production by Field in Each County

Field	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Seneca County (Cont)								
Whiskey Hill	0	0	0	0	0	1	0	0
County Total	0	616,391	1,740	0	0	138	2	0
Steuben County								
Andover	444	0	2,220	4	0	0	0	0
Avoca	0	1,923	0	0	0	2	0	0
Beech Hill-Independence	11,660	10,013	1,211	111	0	0	0	11
Big Creek	0	5,577	0	0	0	1	0	0
Colonel Bills Creek	0	0	0	0	0	0	1	0
Crosby Creek	0	0	0	0	0	0	1	0
Dry Wildcat	0	0	0	0	0	0	1	0
Glodes Corners Road	0	0	0	0	0	0	1	0
Howard	0	2,239	0	0	0	1	0	0
Hungry Hollow	0	0	0	0	0	1	0	0
Jackson Hill	0	1,200	0	0	0	1	0	0
Jasper	0	0	0	0	0	1	2	0
Milwaukee Creek	0	0	0	0	0	0	1	0
Northwest Harrison	0	0	0	0	0	1	0	0
Painted Post	0	2,889	331	0	0	2	1	0
Purdy Creek	0	0	0	0	0	1	0	0
Rathbone	0	0	0	0	0	0	1	0
Stone Hill	0	28,009	0	0	0	1	0	0
Thomas Corners	0	24,306	2	0	0	2	0	0
Unnamed	0	0	0	0	0	0	6	0
Waldo Creek	0	0	0	0	0	0	1	0
West Union	0	0	0	0	0	0	1	0
Wyckoff	0	69,566	6	0	0	2	2	0
County Total	12,104	145,722	3,770	115	0	16	19	11
Tioga County								
Cafferty Hill	0	0	0	0	0	0	1	0
Stagecoach	0	1,832,608	333	0	0	9	3	0
County Total	0	1,832,608	333	0	0	9	4	0
Wayne County								
Butler Creek	0	990	0	0	0	1	0	0
County Total	0	990	0	0	0	1	0	0
Wyoming County								
Alden-Lancaster	0	25,284	93	0	0	7	0	0
Attica	0	22,360	0	0	0	1	0	0
Cascade Brook	0	0	0	0	0	0	9	0
Castile	0	0	0	0	0	0	1	0
Chaffee-Arcade	0	49,200	7	0	0	32	1	0

1995 Oil and Gas Production by Field in Each County

Field	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Wyoming County (Cont)								
Cowlesville	0	2,359	105	0	0	1	0	0
Danley Corners	0	172,434	2,039	0	0	80	2	0
Dutch Hollow	0	200	0	0	0	1	0	0
Java	0	20,904	0	0	0	25	1	0
Leicester	0	92,722	200	0	0	55	3	0
Northwoods	0	15,030	0	0	0	1	0	0
Sheldon	0	40,246	886	0	0	37	1	0
Silver Lake	0	26,723	50	0	0	12	3	0
Tozier's Corners	0	11,593	0	0	0	6	0	0
Wyoming	0	81	0	0	0	2	1	0
County Total	0	479,136	3,380	0	0	260	22	0
Yates County								
North Penn Yan	0	3,536	0	0	0	4	2	0
South Penn Yan	0	8,577	0	0	0	7	1	0
Sugar Creek	0	0	0	0	0	0	1	0
County Total	0	12,113	0	0	0	11	4	0
State Total	236,733	18,747,057	686,050	3,041	978	6,134	632	782

1995 Oil and Gas Production by Formation in Each County

Formation	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active	Inactive	Active	Inactive	Water Injection Wells
				Oil Wells	Oil Wells	Gas Wells	Gas Wells	
Allegany County								
Clarksville	554	40	60	10	9	0	0	0
Devonian Shale	0	0	0	0	0	0	1	0
Fulmer Valley	26,146	49,874	82,568	356	49	25	1	35
Marcellus	0	0	0	0	0	0	1	0
Medina	0	634	0	0	0	1	0	0
Onondaga	0	0	0	0	0	0	3	0
Oriskany	0	176,417	2,044	0	0	13	9	0
Penny	483	50	12	25	0	3	0	0
Penny & Fulmer Valley	316	155	5	15	0	0	4	0
Richburg	15,034	11,280	37,183	807	622	59	3	319
Scio	322	0	632	61	17	29	15	8
Tully	0	0	0	0	0	0	1	0
Unknown	0	0	0	0	0	0	1	0
Upper Devonian	29	210	0	1	0	3	1	0
Waugh & Porter	409	5,000	574	10	19	1	0	0
County Total	43,293	243,660	123,078	1,285	716	134	40	362
Cattaraugus County								
Akron	0	0	0	0	0	1	0	0
Bradford	59,040	4,710	379,488	859	175	44	3	342
Chipmunk	58,472	19,765	47,727	554	63	4	3	65
Medina	631	1,721,249	784	0	0	488	33	0
Not Reported	0	0	0	0	0	0	2	0
Onondaga	580	242,778	0	1	0	8	0	0
Oriskany	0	62,256	200	0	0	2	1	0
Theresa	0	0	0	0	0	0	1	0
Upper Devonian	213	0	0	4	1	4	0	0
County Total	118,936	2,050,758	428,199	1,418	239	551	43	407
Cayuga County								
Oriskany	0	0	0	0	0	1	0	0
Queenston	0	1,351,592	3,441	0	0	291	5	0
Trenton	0	1	0	0	0	1	0	0
County Total	0	1,351,593	3,441	0	0	293	5	0
Chautauqua County								
Akron	0	0	0	0	0	0	2	0
Bass Island	28,417	131,629	15,786	26	6	30	12	0
Glade	15,818	9,166	2,025	187	17	205	11	0
Medina	2,341	8,405,947	76,918	0	0	2,952	299	0
Not Reported	0	0	70	0	0	1	0	0
Onondaga	15,445	60,399	6,061	8	0	12	4	0
Onondaga-Bass Island	0	0	0	0	0	0	1	0
Syracuse	312	0	0	1	0	0	0	0
Upper Devonian	0	6,012	0	0	0	5	0	0
Whirlpool	0	83,619	0	0	0	3	1	0

1995 Oil and Gas Production by Formation in Each County

Formation	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
Chautauqua County (Cont)								
<i>County Total</i>	62,333	8,696,772	100,860	222	23	3,208	330	0
Chemung County								
Marcellus	0	2,650	0	0	0	1	0	0
Oriskany	0	0	0	0	0	2	0	0
<i>County Total</i>	0	2,650	0	0	0	3	0	0
Erie County								
Akron	0	28,808	20	0	0	24	1	0
Medina	0	1,800,149	14,374	0	0	804	119	0
Onondaga	67	78,237	12	1	0	12	3	0
Oriskany	0	0	0	0	0	0	1	0
<i>County Total</i>	67	1,907,194	14,406	1	0	840	124	0
Genesee County								
Medina	0	1,084,573	6,398	0	0	495	12	0
Onondaga	0	10	0	0	0	2	0	0
<i>County Total</i>	0	1,084,583	6,398	0	0	497	12	0
Livingston County								
Hamilton	0	0	0	0	0	4	0	0
Marcellus	0	50	0	0	0	2	0	0
Medina	0	199,171	445	0	0	134	14	1
<i>County Total</i>	0	199,221	445	0	0	140	14	1
Madison County								
Herkimer	0	0	0	0	0	1	0	0
Herkimer-Oneida	0	43,651	0	0	0	3	0	0
<i>County Total</i>	0	43,651	0	0	0	4	0	0
Niagara County								
Medina	0	1,500	0	0	0	1	0	0
<i>County Total</i>	0	1,500	0	0	0	1	0	0
Oneida County								
Herkimer	0	0	0	0	0	1	2	0
<i>County Total</i>	0	0	0	0	0	1	2	0
Onondaga County								
Not Reported	0	0	0	0	0	0	0	1

1995 Oil and Gas Production by Formation in Each County

Formation	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active	Inactive	Active	Inactive	Water Injection Wells
				Oil Wells	Oil Wells	Gas Wells	Gas Wells	
Onondaga County (Cont)								
Queenston	0	0	0	0	0	1	0	0
Trenton	0	0	0	0	0	0	1	0
County Total	0	0	0	0	0	1	1	1
Ontario County								
Medina	0	78,315	0	0	0	21	4	0
County Total	0	78,315	0	0	0	21	4	0
Oswego County								
Trenton	0	200	0	0	0	5	6	0
County Total	0	200	0	0	0	5	6	0
Seneca County								
Niagara	0	0	0	0	0	0	1	0
Queenston	0	599,832	1,740	0	0	136	1	0
Rochester Shale	0	2,021	0	0	0	1	0	0
Sodus Shale	0	14,538	0	0	0	1	0	0
County Total	0	616,391	1,740	0	0	138	2	0
Steuben County								
Black River	0	0	0	0	0	0	2	0
Fulmer Valley	12,104	10,013	3,431	115	0	0	1	11
Marcellus	0	1,923	0	0	0	2	0	0
Not Reported	0	0	0	0	0	0	4	0
Onondaga	0	84,753	8	0	0	4	1	0
Oriskany	0	47,833	331	0	0	8	9	0
Penny	0	1,200	0	0	0	1	0	0
Rhinestreet	0	0	0	0	0	0	1	0
Tully	0	0	0	0	0	1	0	0
Upper Devonian	0	0	0	0	0	0	1	0
County Total	12,104	145,722	3,770	115	0	16	19	11
Tioga County								
Helderberg	0	1,832,608	333	0	0	9	3	0
Marcellus	0	0	0	0	0	0	1	0
County Total	0	1,832,608	333	0	0	9	4	0
Wayne County								
Trenton	0	990	0	0	0	1	0	0
County Total	0	990	0	0	0	1	0	0

1995 Oil and Gas Production by Formation in Each County

Formation	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active	Inactive	Active	Inactive	Water
				Oil Wells	Oil Wells	Gas Wells	Gas Wells	Injection Wells
Wyoming County								
Akron	0	11,593	0	0	0	6	0	0
Medina	0	452,313	3,380	0	0	252	12	0
Not Reported	0	0	0	0	0	0	1	0
Theresa	0	15,030	0	0	0	1	8	0
Upper Devonian	0	200	0	0	0	1	0	0
Whirlpool	0	0	0	0	0	0	1	0
County Total	0	479,136	3,380	0	0	260	22	0
Yates County								
Queenston	0	12,113	0	0	0	11	4	0
County Total	0	12,113	0	0	0	11	4	0
State Total	236,733	18,747,057	686,050	3,041	978	6,134	632	782

COMMENTS & OPINIONS

The Division of Mineral Resources is constantly striving to improve its yearly publication, the **New York State Oil, Gas and Mineral Resources** report. We would like to receive ***your*** COMMENTS & OPINIONS on how we can improve this publication!

Place your COMMENTS & OPINIONS on a copy of this page and mail it to:

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