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**NEW YORK STATE  
OIL AND GAS  
DRILLING AND PRODUCTION  
AND  
MINERAL RESOURCES  
1994**

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STATE OF NEW YORK  
GEORGE E. PATAKI, GOVERNOR

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
MICHAEL D. ZAGATA, COMMISSIONER

This past year was a year of transition and change. We learned a great deal about underground mining because of the collapse of the Akzo Salt mine. The Regional Staff in Region 8 responded magnificently to a major event, working with Akzo on a sustained basis while keeping the public and other state and local agencies informed. All of the resources of the Division - mined land, oil and gas regulation, solution mining - were thrust into action to deal with events that were dynamic and never before experienced in this state. The report on the Akzo Mine Incident on page 12 gives a good overview of the problems faced by Akzo and the Division in responding to the continuing problems.

Note that we have expanded the annual report this year to deal with some of the other programs in the Division, most notably the Mined Land Reclamation Program. Few of our oil and gas operators realize that the Division has the regulatory responsibility for 2,500 mines and over 37,000 acres of affected land that will need to be reclaimed. While the primary purpose of the report will remain oil and gas, we wanted to give the industry and the public a better idea of the scope of responsibility of the Division of Mineral Resources.

Over the past year, we have seen the number of operators with only one or a few wells increase. This is a result, in part, of our initiative to ensure that wells that are no longer commercially productive are plugged and abandoned or transferred to a responsible party. It is also partly due to larger companies transferring marginal wells to other owners. In many cases the landowners have assumed responsibility for the wells. We now have over 440 single well operators out of 900 registered active operators.

In another area of responsibility, we gained experience with FERC Order 636 and its implications for NY producers. Last year was the first time that we reviewed an application for the storage of natural gas in a cavity created by the solutioning of salt. The technological challenge of this new form of storage confirmed for us that we need to update our rules and

regulations to appropriately regulate these emerging technologies.

Perhaps the most dramatic change, shown on page 2, is the fact that Tioga County is now the second leading producer of natural gas in the state, behind the historic leader, Chautauqua County. What is most striking, however, is the fact that the county has only twelve natural gas wells, each producing an average of almost **200,000 MCF** annually. We have always contended that New York is poised to dramatically increase its indigenous natural gas production. The potential for structural and stratigraphic traps in addition to deep gas plays makes the State a prime example for largely unexplored areas in the majority of the State. The advent of three dimensional seismic and other technological advances can only accelerate the possibility of finding new sources of natural gas in the State.

The Division has been very active through the Interstate Oil and Gas Compact Commission, the Groundwater Protection Council and with the Appalachian Basin Directors in seeking ways to make our computer data more accessible to the operators and policy makers at the state and federal levels. We now have some information on over 31,000 of the estimated 60,000 oil and gas wells drilled since the 1860's. We need to find cost effective ways to make data available in order to cut exploration costs for operators and to stimulate investment in the State. New technologies such as bulletin boards and Internet connections are being explored by the Department to serve the public. The Division of Mineral Resources wants to advance its computer and data management capabilities to better serve its customers.

We look forward to working with our customers: the industry, the public and the environmental groups in finding cost effective and efficient ways to spur energy development and investment in the state, while ensuring the environmentally compatible exploration and development of these nonrenewable natural resources.

EXECUTIVE SUMMARY

**New York State Drilling and Production and Mineral Resources - 1994** is the eleventh annual report published by the Department of Environmental Conservation, Division of Mineral Resources. This year's report is expanded to give a more comprehensive summary of New York's oil and gas production and extractive mineral resources. To reflect this added coverage we have changed the name of the publication to include *mineral resources*.

Other topics covered in this year's report include solution salt mining, brine disposal, liquefied petroleum gas, underground gas storage and surficial mining. Also included are tables on wells permitted in 1994 and production data. At the time of publication 81 percent of the registered operators, or 726 out of 891, had filed their required Annual Well Reports.

*Oil and Gas Highlights*

- ☞ Reported production of natural gas declined approximately 8 percent to 20.4 BCF compared with 1993's reported production of 22.1 BCF.
- ☞ Production of oil was 298,930 barrels, a decrease of 12 percent from 1993.
- ☞ The weighted average wellhead prices paid in 1994 were \$2.35 per thousand cubic feet of gas and \$15.39 per barrel of oil.
- ☞ Forty one stratigraphic wells were completed in conjunction with the investigation of a mine collapse in Livingston County.
- ☞ New York operators spudded 133 wells during 1994, a decrease of one well from 1993.
- ☞ Reported oil and gas production generated an estimated \$1.58 million in real property tax revenues.
- ☞ Total State revenues from permits and leasing of State lands were \$400,707 in 1994.
- ☞ Oil and Gas staff performed 1,910 inspections and traveled 80,900 miles during 1994.
- ☞ The Division collected \$36,966 in assessed fines and penalties under the Oil, Gas and Solution Mining Law.
- ☞ Gas well completions decreased 52 percent to 97 wells completed while oil well completions increased 35 percent to 34 wells completed.
- ☞ Market value of reported oil and gas was an estimated \$52.7 million. Land owners received approximately \$6.6 million in royalties.
- ☞ Tioga County ranked second in gas production in the state with only 12 gas wells.

*Mineral Highlights*

- ☞ In 1994 the Division regulated 2,530 surface mines encompassing 41,698 acres.
- ☞ Mined Land staff issued 119 permits during 1994.
- ☞ Estimated value of the minerals mined in New York State during 1994 was \$1.5 billion.
- ☞ Mined Land staff in 1994 approved the reclamation of 4,304 acres of affected land.



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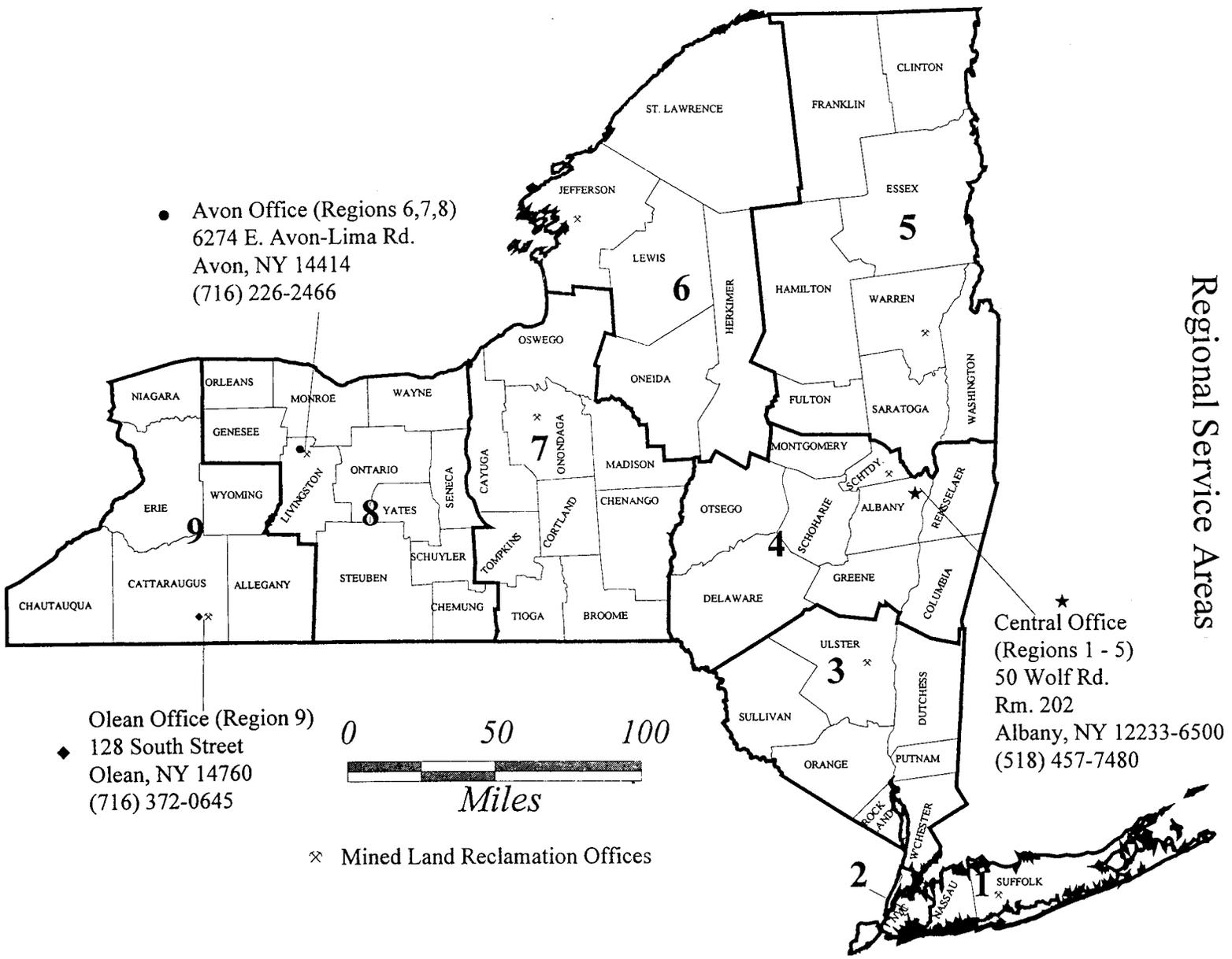
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# New York State Department of Environmental Conservation

## Division Of Mineral Resources

### Regional Service Areas



PERMITTING, DRILLING AND PRODUCTION STATISTICS

**Permitting and Drilling**

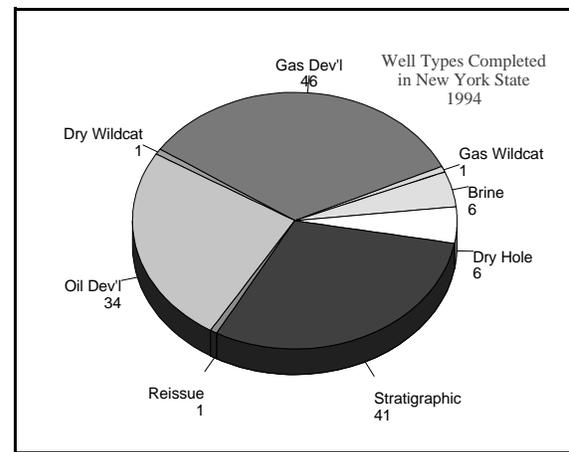
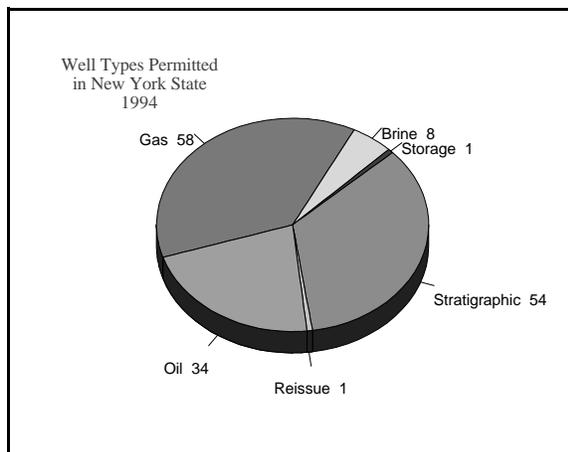
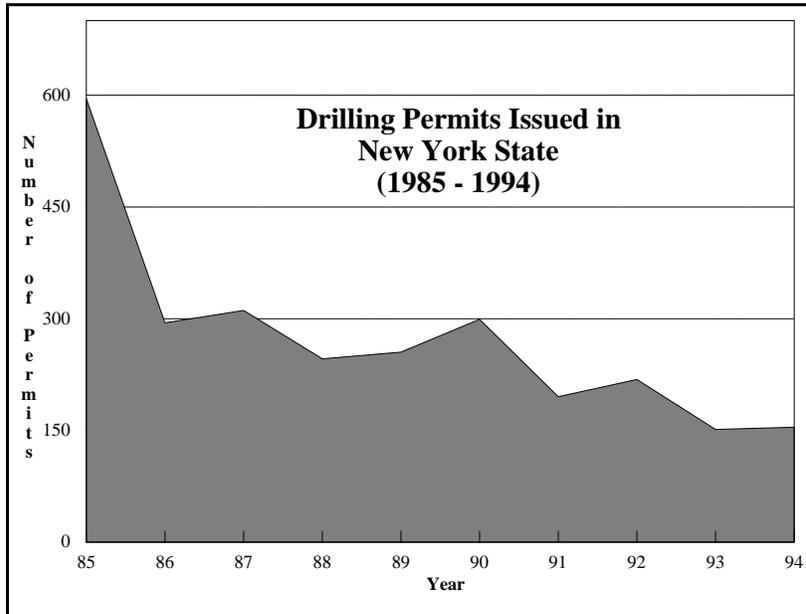
Division staff issued 156 drilling permits in 1994: 58 gas well permits, 54 stratigraphic well permits, 34 oil well permits, 8 brine well permits, 1 reissued brine well permit and 1 storage well permit. Permit activity was highest in Livingston County where 54 stratigraphic well permits were issued, followed by Chautauqua County with permits for 32 gas wells. Eight brine wells were permitted in Wyoming County.

The 54 stratigraphic wells permitted in Livingston County were utilized in analyzing the stability and subsurface subsidence in and around the Akzo underground salt mine. Thirty-five oil wells were permitted; 21 in Chautauqua County and 14

in Allegany County. This represents a 12.5 percent decrease from the 40 oil well permits issued in 1993.

Oil well completions increased 35 percent, from 26 in 1993 to 34 in 1994. The average price for a barrel of oil fell from \$17.09 in 1993 to \$15.39 in 1994. The average price for an MCF of gas decreased slightly from \$2.40 in 1993 to \$2.35 in 1994. Gas well completions decreased from 99 in 1993 to 47 in 1994, a decrease of 52

percent. Total footage drilled during 1994 decreased 38 percent to 280,932 feet from 454,491 feet in 1993.



## Production of Oil and Natural Gas

As of May 18, 1995 approximately 81 percent, or 726 out of 891, of the registered New York oil and gas operators had filed their 1994 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 1,000 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. The map on page 8 illustrates the location of the reported wells.

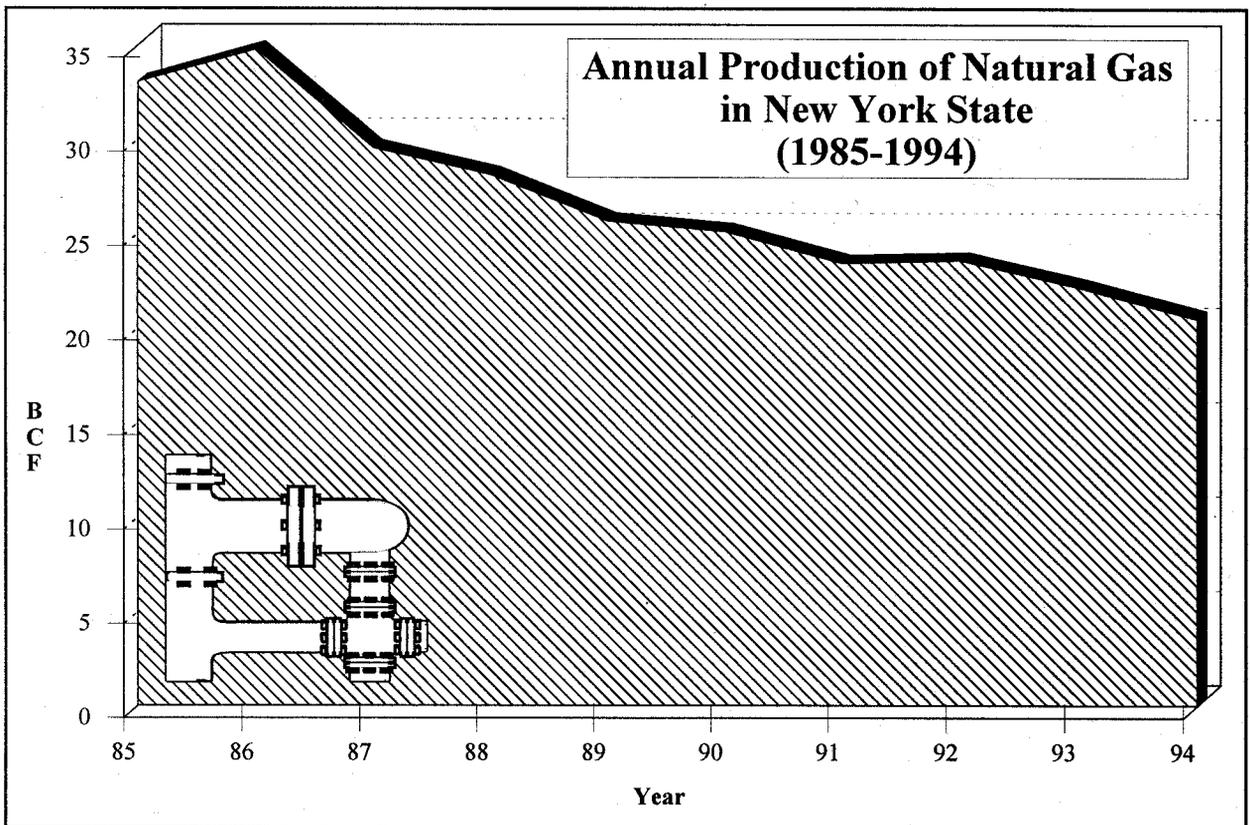
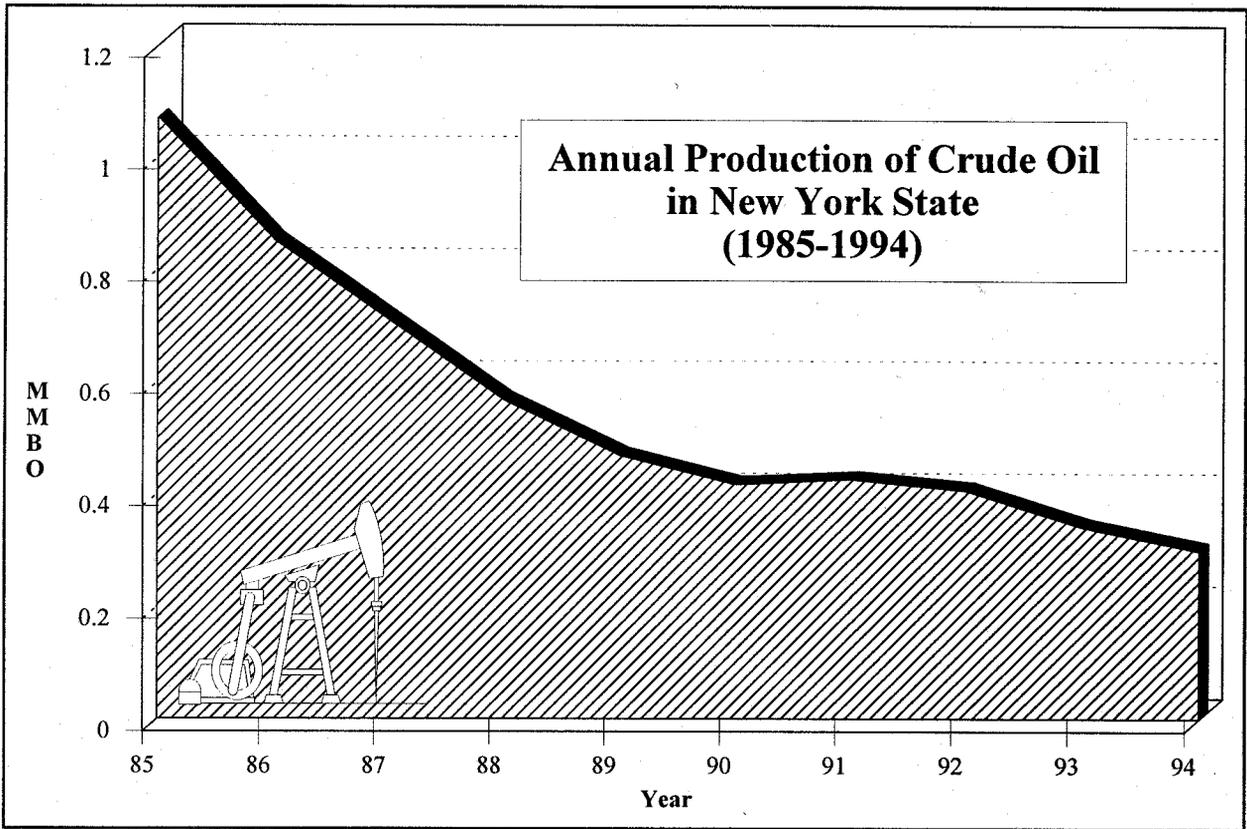
New York's production of oil increased to 303,780 barrels, a rise of 1.6 percent from 1994. Allegany and Cattaraugus Counties, which contain the State's historic oil fields, produced 45,772 and 158,625 barrels of oil (bblo)

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, over 1994's production figures. The oil production figures are based on oil buyers' reports.

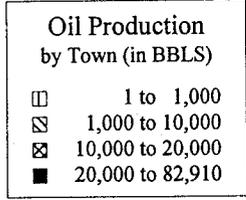
New York's 1994 preliminary gas production was 20 billion cubic feet (BCF). Initial estimates of the remaining unfiled production reports should place total 1994 gas production at about 21 BCF. Tioga County has risen from fifth place in gas production (1993) to second place (1994) with an average per-well production of 200,000 MCF.]

Top Ten Oil & Gas Producers, 1994			
Oil		Gas	
Company	Production (BBLS)	Company	Production (MCF)
R & C Oil Co.	27,619	Quaker State Corp.	2,392,955
BDH Oil Inc.	26,515	Belden & Blake Corp.	2,109,548
Richardson Petroleum Corp.	23,181	Transfuel Resources Co.	1,454,289
Pennsylvania General Energy	21,833	Meridian Exploration Corp.	1,391,088
Sinclairville Petroleum Corp.	15,908	Seneca Resources Corp.	1,258,318
Chautauqua Energy Inc.	9,943	United States Gypsum Co.	947,966
Oil, Gas & Land Services, Inc.	9,314	Ivan Hall & Associates, Inc.	754,635
Hemlock Oil & Gas Co., Inc.	8,291	Cabot Oil & Gas Corp.	713,827
Ebenezer Oil Co Inc.	7,372	KCS Lenape Resources Corp.	648,060
Cabot Oil & Gas Corp.	6,249	U S Energy Development Corp.	528,611
<b>TOTAL</b>	156,225	<b>TOTAL</b>	12,199,297

Top Ten Gas Producing Counties, 1994			
County	MMCF	# of Active Gas Wells	Average MCF/Well
Chautauqua	9,338	2,987	3,126
Tioga	2,393	12	199,417
Cattaraugus	2,287	536	4,267
Erie	1,818	831	2,188
Cayuga	1,435	299	4,799
Genesee	1,144	504	2,270
Seneca	760	144	5,278
Wyoming	486	260	1,869
Allegany	350	99	3,535
Livingston	213	145	1,469



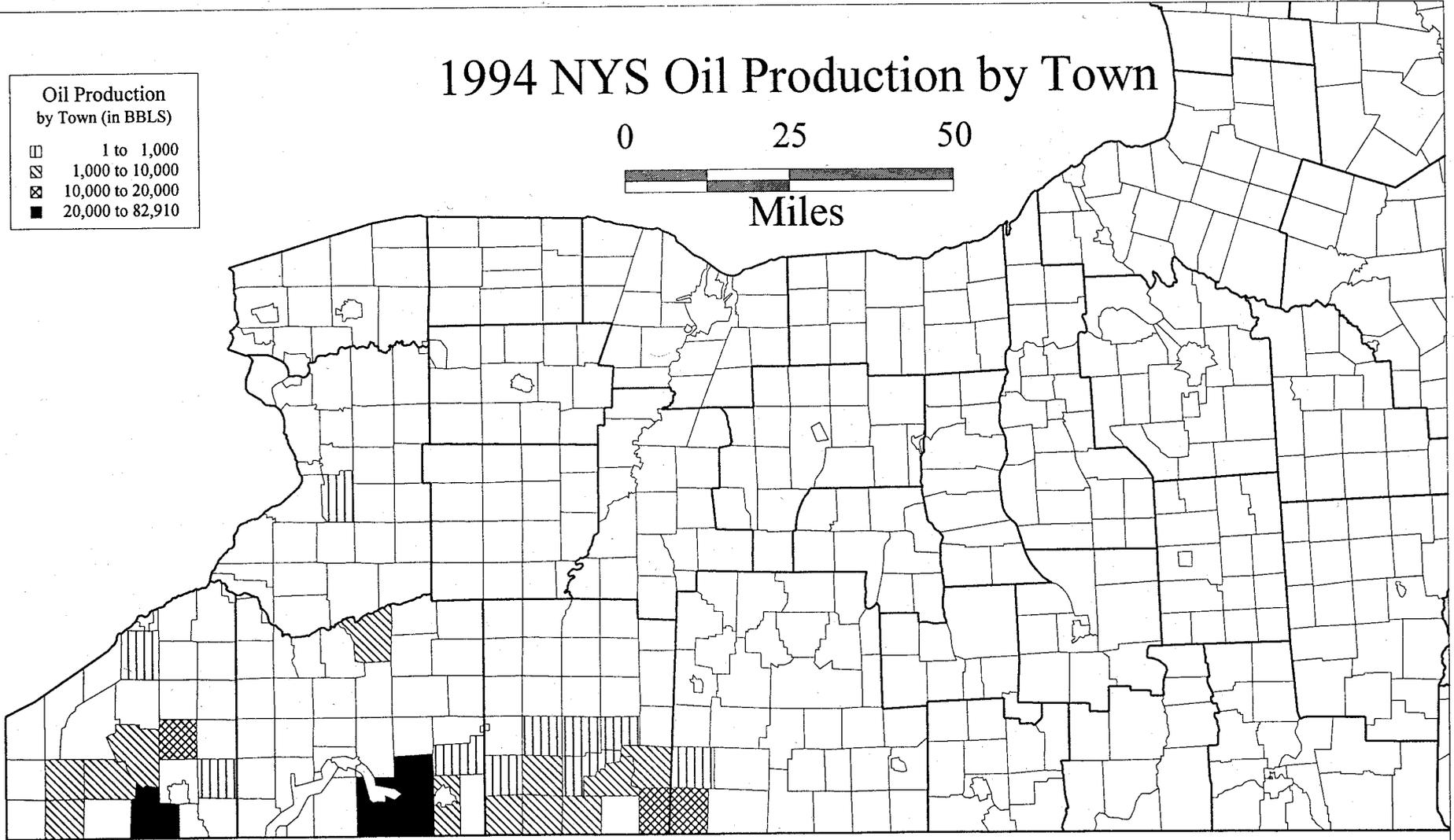
# 1994 NYS Oil Production by Town



0 25 50



Miles



# 1994 NYS Gas Production by Town

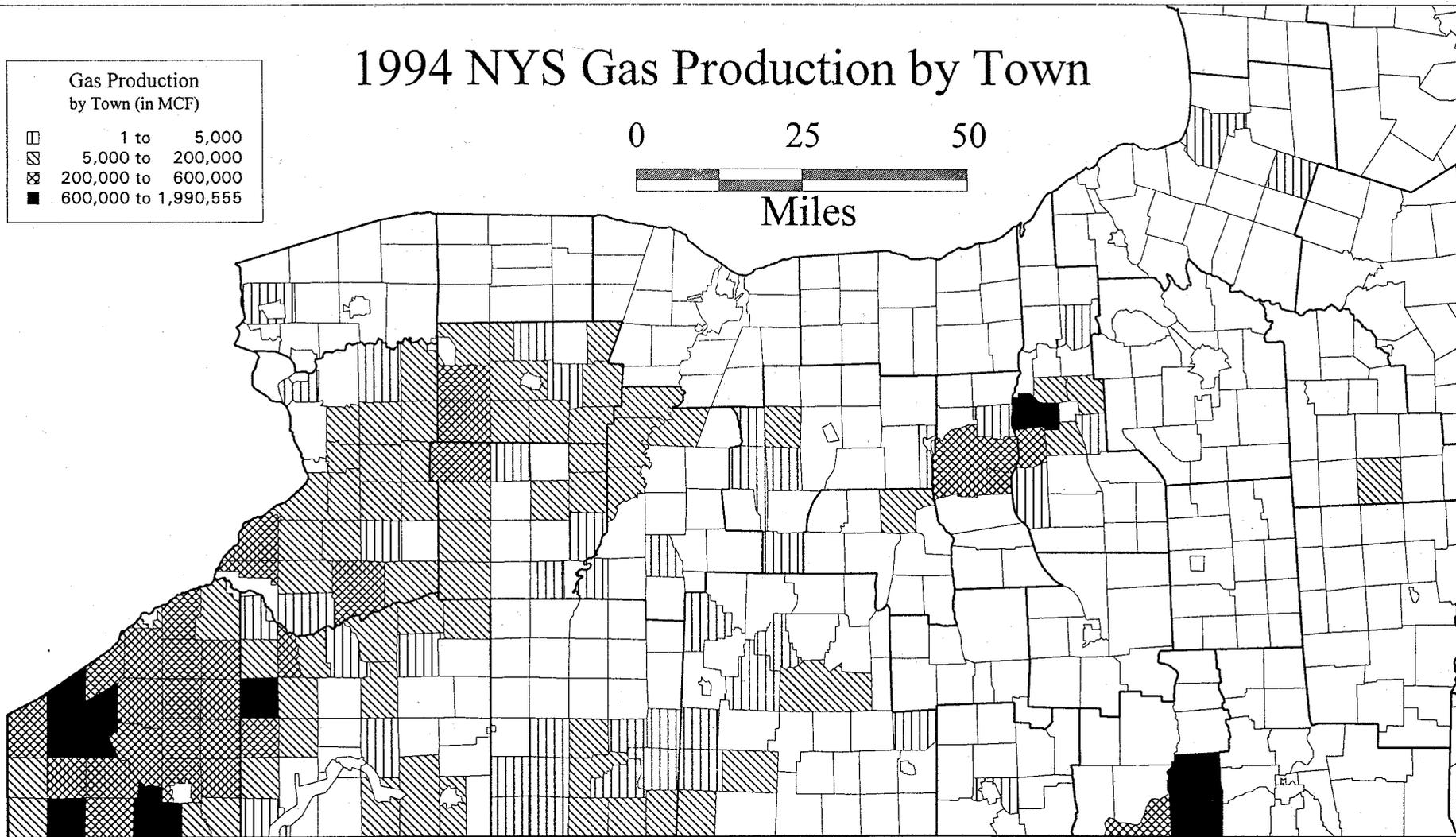
Gas Production  
by Town (in MCF)

- 1 to 5,000
- ▨ 5,000 to 200,000
- ▩ 200,000 to 600,000
- 600,000 to 1,990,555

0 25 50



Miles



Since 1987, the Division of Mineral Resources (Division) has processed close to 13,000 requests for well transfers. Each transfer request requires staff time to ensure that both the environment and the State are adequately protected. In 1994, there were 1,911 transfers requested. The map on page 7 shows the locations of those transfers.

The Oil and Gas Law passed by the legislature in 1963 required that well owners receive the Department's approval to transfer operating and well plugging responsibilities. This statute gave the State comprehensive authority over drilling, production and plugging.

In order for the State to determine who controlled a well, owners were asked to register their wells and to list them by lease on their annual production reports. The Division then tracked well ownership based on information supplied in the production reports. It was difficult to track well ownership based solely on production reports and changes in ownership reported on the form. In the early 1970's, a formal transfer procedure was instituted. The Division is continuing to clarify well ownership, through comparisons with old production reports and other data.

The ability to track well transfer approvals has proven important to the proper regulation of the industry. Before the formal transfer process, when the registered owner notified the Division of a change and a new owner failed to comply with requirements, it was difficult to bring the parties back into compliance. While problems still occur with unrecognized or unapproved transfers, compliance overall is good.

The transfer process begins with the new owner registering, filing financial security (if required) and completing a *Request for Well Transfer*. Once the Division receives a transfer request, staff reviews the files and conducts a site inspection. If any deficiencies are noted, the parties are contacted. Once the problems are

rectified, the Division notifies the parties of the approved transfer. At this point the new owner assumes complete responsibility for the well.

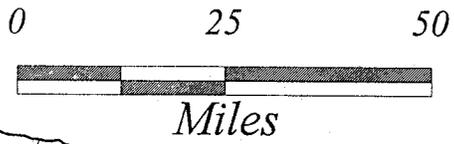
The Division views the transfer process as critical to protect the state from future liability and to protect the new owners so that they know the status of wells and what is expected of them. This is most important in the transfer of wells from a production company to a landowner. Landowners are frequently unaware of the responsibilities they accrue by taking over a well. In addition to the reporting requirements, they also take on safety concerns and the ultimate plugging obligation at the end of the well's productive life.

The transfer of wells is important to several groups: landowners, who need to be aware that operating responsibility has changed hands, investors and the local tax assessor, who must maintain accurate assessment records. To notify all interested parties, the Division publishes well transfer requests and approvals in the Department's weekly publication, the Environmental Notice Bulletin.

Recently, the Division has encountered problems with some counties and the courts transferring wells in violation of the Oil, Gas and Solution Mining Law. Sometimes a county may seize real property assets and sell them at auction. Also, courts have transferred wells in cases involving divorces and bankruptcies without regard to the Oil, Gas and Solution Mining Law. The Division encourages coordination with the counties and the courts in an attempt to resolve these problems, and prevent owners from avoiding well plugging liability.

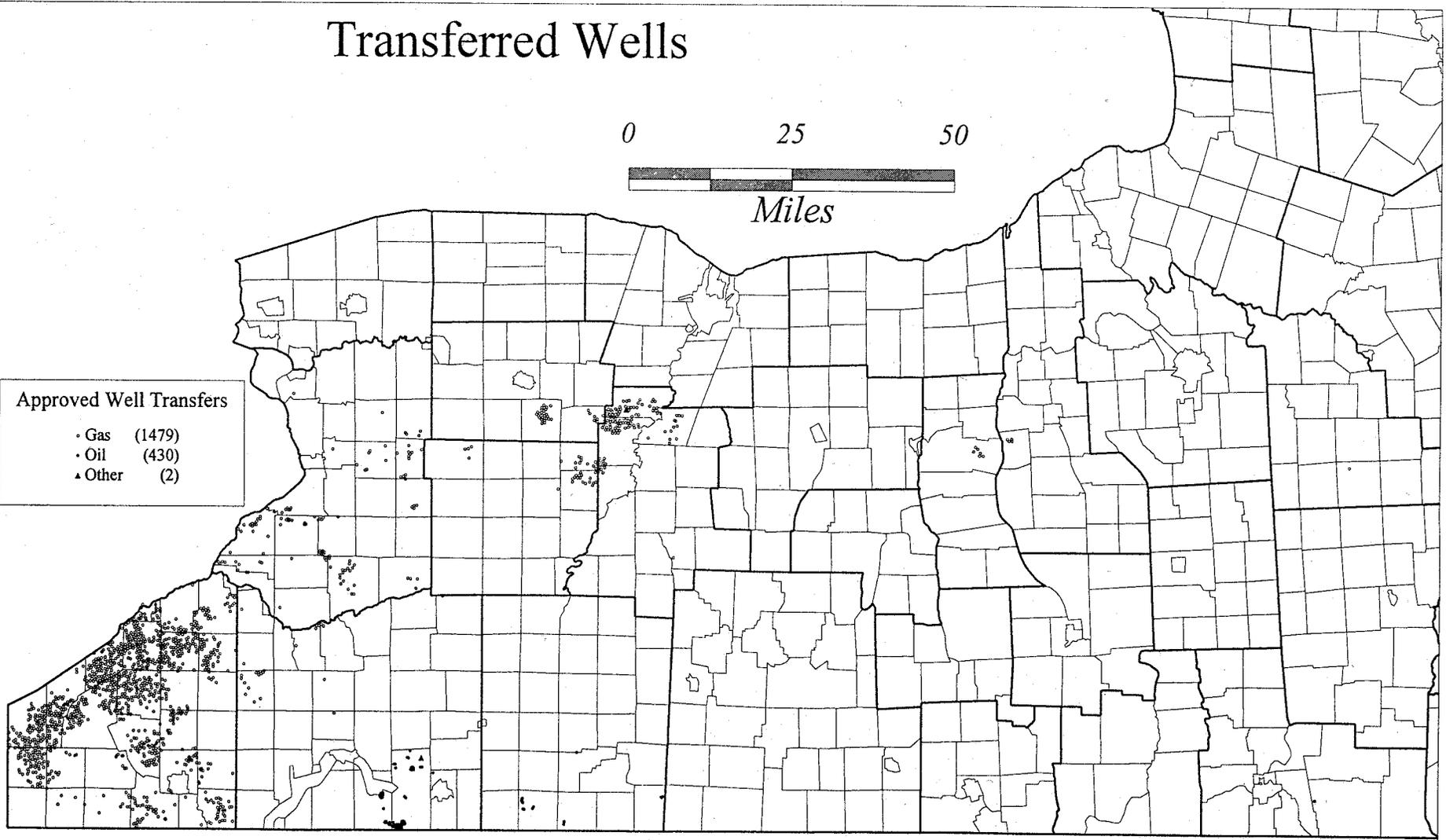
Environmental and safety risks from abandoned wells underscore the need for well owners to properly report and take responsibility for wells on their leaseholds. The Division is committed to working with owners to identify wells and to provide timely transfer approvals.

# Transferred Wells

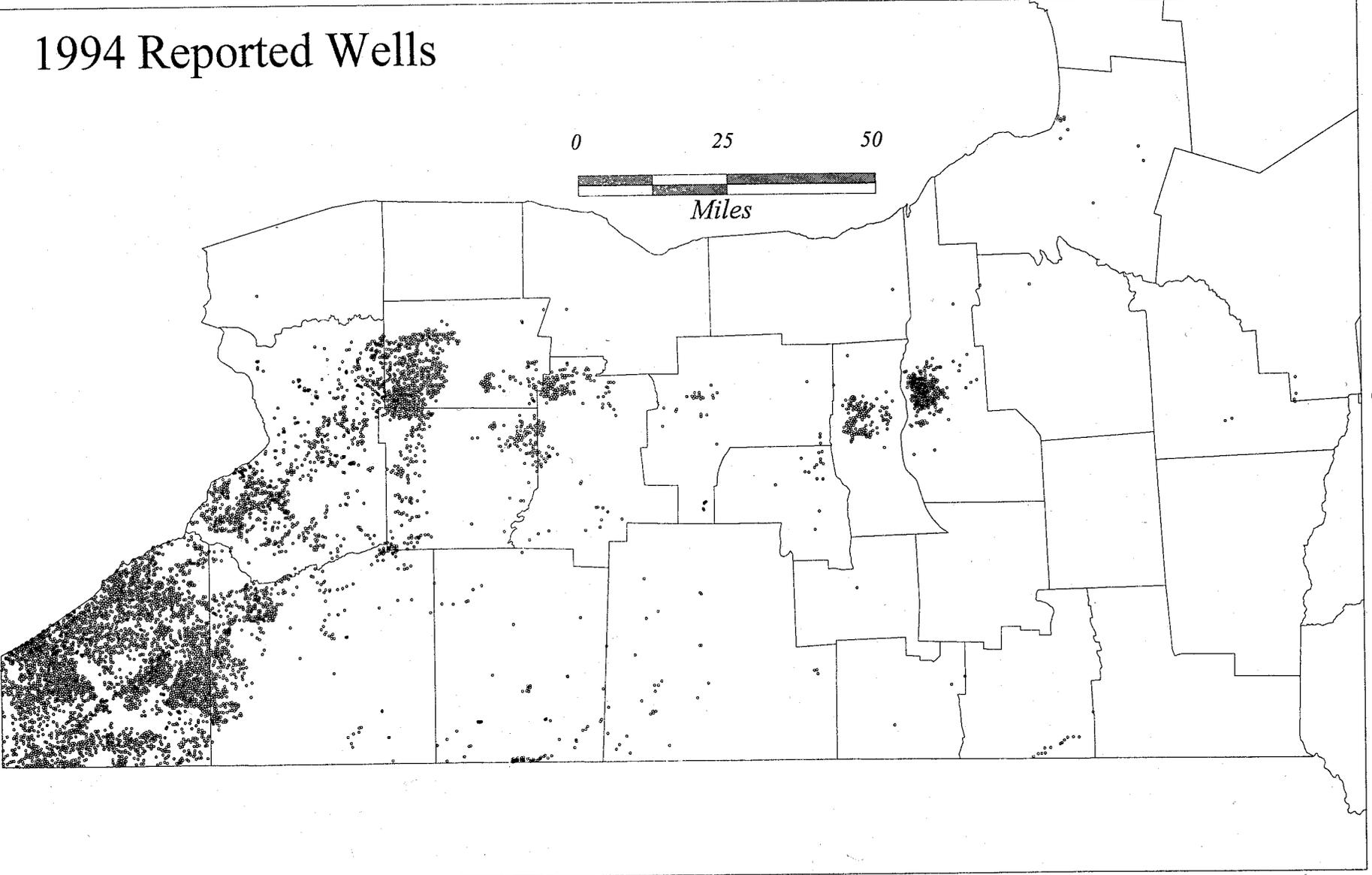
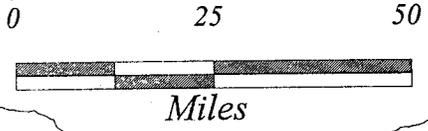


Approved Well Transfers

- Gas (1479)
- Oil (430)
- ▲ Other (2)



# 1994 Reported Wells



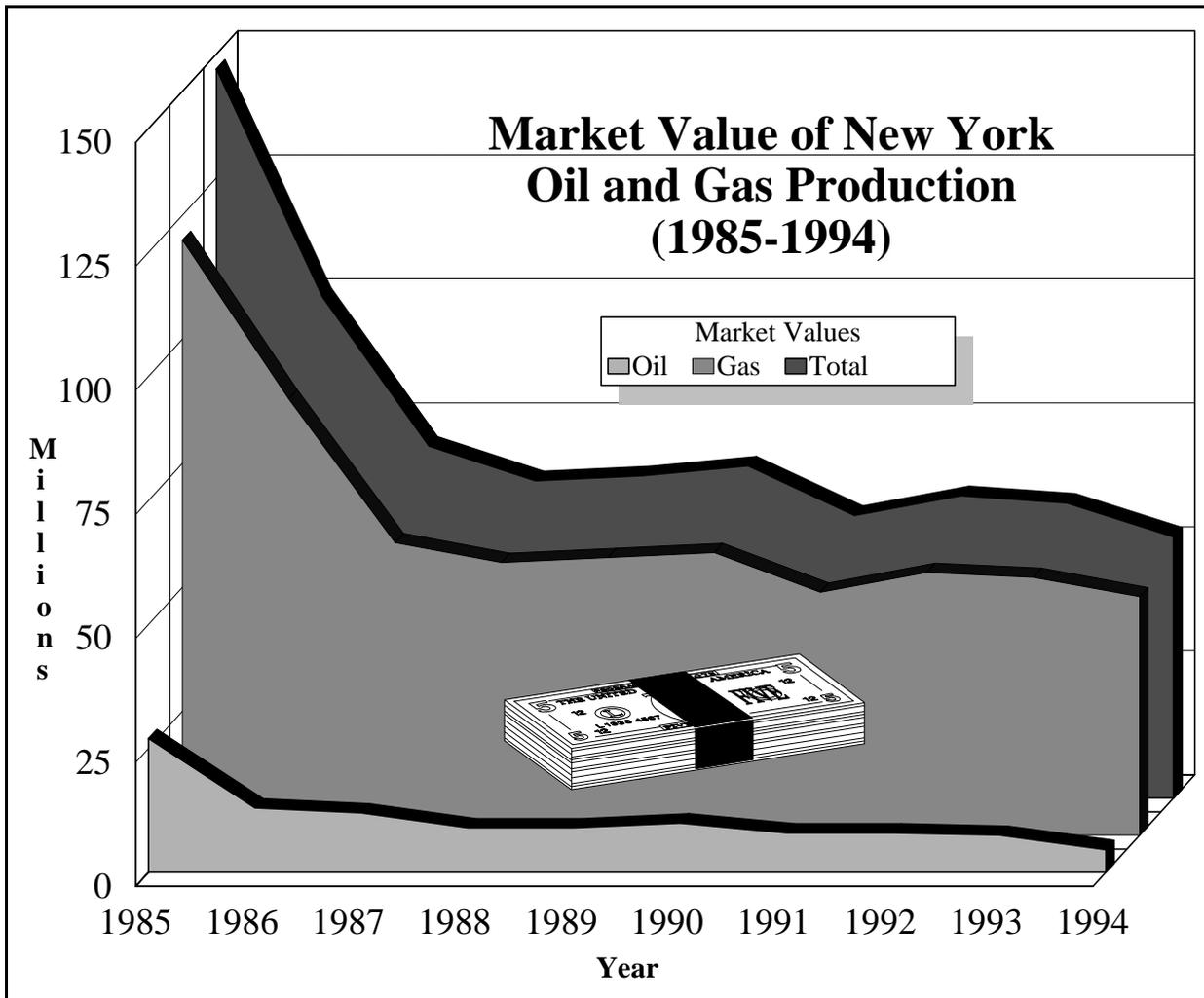
**MARKET VALUE**

The market value of New York State's reported oil and gas production for 1994 was estimated at \$52.7 million. Average wellhead prices for oil and gas were obtained from the Office of Real Property Services.

Wellhead oil prices for 1994 averaged \$15.39 per barrel, a decrease of \$1.70 per barrel

from 1993's average price. Market value of the State's 1994 reported production of 298,930 barrels was approximately \$4.6 million.

The average price for natural gas at the wellhead was \$2.35 per MCF, a decrease of \$0.05 per MCF. The market value of the reported produced gas was approximately \$48.1 million.



**Leasing Royalties**

Landowners who had oil and gas leases with production during 1994 received approximately one-eighth of the market value of

\$52.7 million, or approximately \$6.6 million in royalties.

**OIL AND GAS REVENUES**

*Christine Reed*

The Division of Mineral Resources collects revenues from oil and gas activity under the Oil, Gas and Solution Mining Law. In 1994, total oil and gas revenues were \$400,707; permits and fees were \$174,101; leasing revenues from state lands were \$189,640; fines and penalties were \$36,966.

**State Land Leasing Revenues**

In 1994, the Division managed 60 leases on 33,069 acres of State land. Royalty revenues on 17,479 acres were \$144,336. The other 15,590 leased acres generated \$45,304 in delay rental, bonus bid and storage fees.

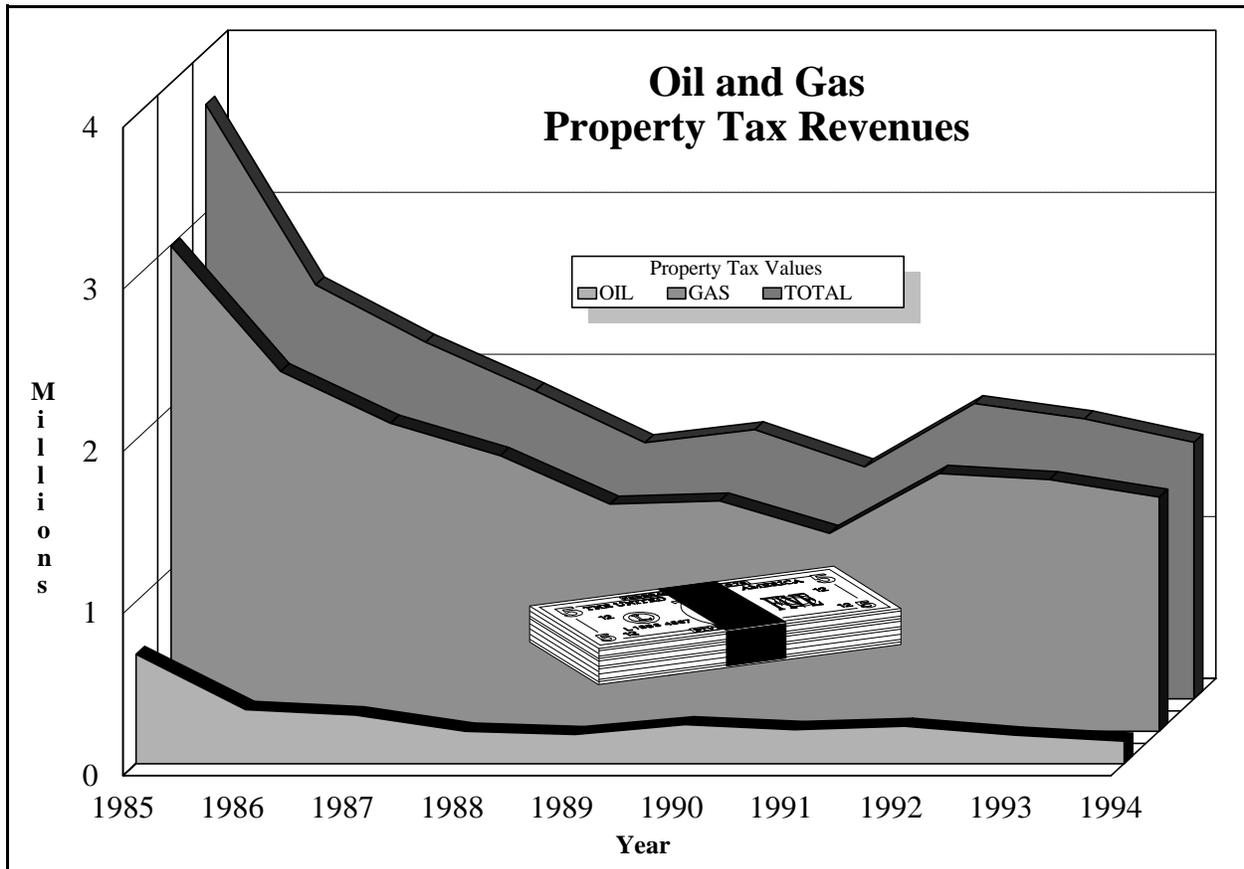
Total revenues from the onshore leasing program in 1994 were \$189,640, a decrease of 20 percent from 1993 revenues of \$235,696. This loss of revenue can be attributed to a mild winter

and loss of delay rentals from expiring leases.

Division staff are currently reviewing files to determine the feasibility of leasing 375,000 acres under Lake Erie for natural gas exploration and drilling. The review is in response to indications of renewed interest in the lake by industry members. Onshore state lands encompassing approximately 500,000 acres in western and central New York are also available for competitive leasing on a request basis.

**Property Tax Revenues**

Estimated real property tax revenues attributable to reported 1994 oil and gas production were approximately \$1.58 million. Taxes from natural gas and oil production were calculated to be \$1.44 million and \$138,016, respectively.



**SOLUTION SALT MINING**

*Bradley Field*

In 1994, 2.35 billion gallons of fresh and recycled plant process water were injected into bedded salt zones of the Upper Silurian Salina Group to recover 2.3 billion gallons of concentrated brine, an increase of 21 percent when compared to 1993's brine production figure of 1.9 billion gallons. The value of New York's 1994 solution salt mining production is estimated at \$75 million.

Five solution salt mining facilities were operating in New York State during 1994: Dale and Wyoming Village in Wyoming County, operated by Texas Brine Corporation; Morton Salt in Wyoming County; and Akzo and Cargill, both in Schuyler County.

There were 83 active and 37 inactive

solution salt mining wells. The breakdown of active wells was 17 injection, 12 production, and 54 combined injection/production wells. Not included in this count of inactive wells are Allied-Signal's and LCP Chemical's wells at Tully Valley, Onondaga County. The status of ongoing well plugging operations at the Tully Valley brine field is as follows:

**Tully Valley Well Plugging Statistics**

Total wells drilled:	171
Wells lost/inaccessible:	5
Wells plugged pre-1989:	0
Wells plugged 1980-1991:	31
Wells plugged 1993-1994:	102

**BRINE DISPOSAL**

*Bradley Field*

**Brine Disposal Methods**

Most produced water associated with waterflood operations is discharged into streams under the State Pollution Discharge Elimination System program, discharged into holding ponds, or recycled for waterflood injection. Reports filed by waste haulers indicate that most gas-associated brine is hauled to out-of-state treatment plants, road spread, or injected into New York's disposal wells.

Produced water volume for 1994 was 1.56 million barrels, a 16 percent increase from 1993. Oil-associated water production of 1.43 million barrels was up 23 percent and gas-associated brine production of 133,158 barrels was down

27 percent when compared to 1993. These figures do not include brine produced with underground gas storage withdrawals.

**Disposal Wells**

In 1994, New York State had five UIC Class IID wells authorized for the disposal of brine associated with oil and gas production. One of the five wells was shut-in all year and another was plugged during the year. The 1994 injection volume was 31,478 barrels. This total includes 24,610 barrels of brine produced and reinjected at an underground gas storage facility.

**AKZO MINE INCIDENT**

*Randy Nemecek*

On March 12, 1994, a seismic event, initially thought to be an earthquake, was recorded and felt in Livingston County. The epicenter of this event was near the hamlet of Cuylerville, and the second largest underground salt mine in the world. Initial damage was confined to a New York State Route 20A bridge that crosses Beard's Creek just east of Cuylerville. The bridge pavement had buckled because of the event and was temporarily closed for repair.

The salt mine, owned and operated by Akzo Nobel Salt, Inc. (Akzo), was immediately evacuated after the seismic event due to an intrusion of methane and hydrogen sulfide gases. As gas levels decreased over the next several hours, Akzo conducted a series of thorough inspections of the mine for structural damage. When the inspection team arrived at the southern portion of the mine, they discovered that a part of the mine had collapsed and a significant rate of water was flowing into the mine. Directly above, on the surface, over the collapsed portion of the mine were Beard's Creek and the NYS Route 20A bridge. During the next several weeks, examination of seismic data appeared to indicate that the event was the result of the collapse.

Within days, impacts of the collapse began to ripple outward. The NYS Route 20A bridge became more unstable and was permanently closed. Homes sustained structural damage and began to lose their water supplies. On April 6, 1994, a major subsidence feature developed in Beard's Creek. The initial subsidence feature, approximately 400 feet in diameter, formed into a large pond fed by Beard's Creek. Nearby drilling equipment such as water tanks, pumps and generators were submerged in the newly created pond but were later recovered.

Akzo initiated several remediation operations that included removal of water from the mine, stabilizing another area of the mine to prevent collapse and the grouting and sealing of water bearing formations contributing to the flooding of the mine. In addition, Akzo executed an agreement with the NYS Department of Environmental Conservation (NYSDEC) and Livingston County to monitor and predict the impacts to groundwater in the vicinity of the collapse. As a result of these initiatives by Akzo,

a well drilling program was developed in which the NYSDEC Division of Mineral Resources issued the permits for 53 wells. These wells were used for grout injection, venting of the methane and hydrogen sulfide gases, pumping and discharge of brine and stratigraphic interpretation.

A second subsurface collapse in late May 1994 significantly increased the flow of water entering the mine and thwarted any reasonable attempts to save the existing mine. Water flowing into the mine has ranged from roughly 3,500 gallons per minute during the first few days preceding the initial collapse to over 30,000 gallons per minute after the second major collapse. Consequently, the decision was made to abandon the existing mine and concentrate on construction of a new facility. The new mine proposal required the drilling of 12 stratigraphic test wells to examine overlying formations and salt thickness.

In total, 65 wells were permitted with 56 being drilled. Since last year, 34 of these wells have been plugged and abandoned. The siting of these wells proved difficult as the area encompassed by the subsidence and the new mine occupies a region rich in archaeological and cultural resources. In addition, the public has become extremely sensitized to issues surrounding the collapse and subsequent operations.

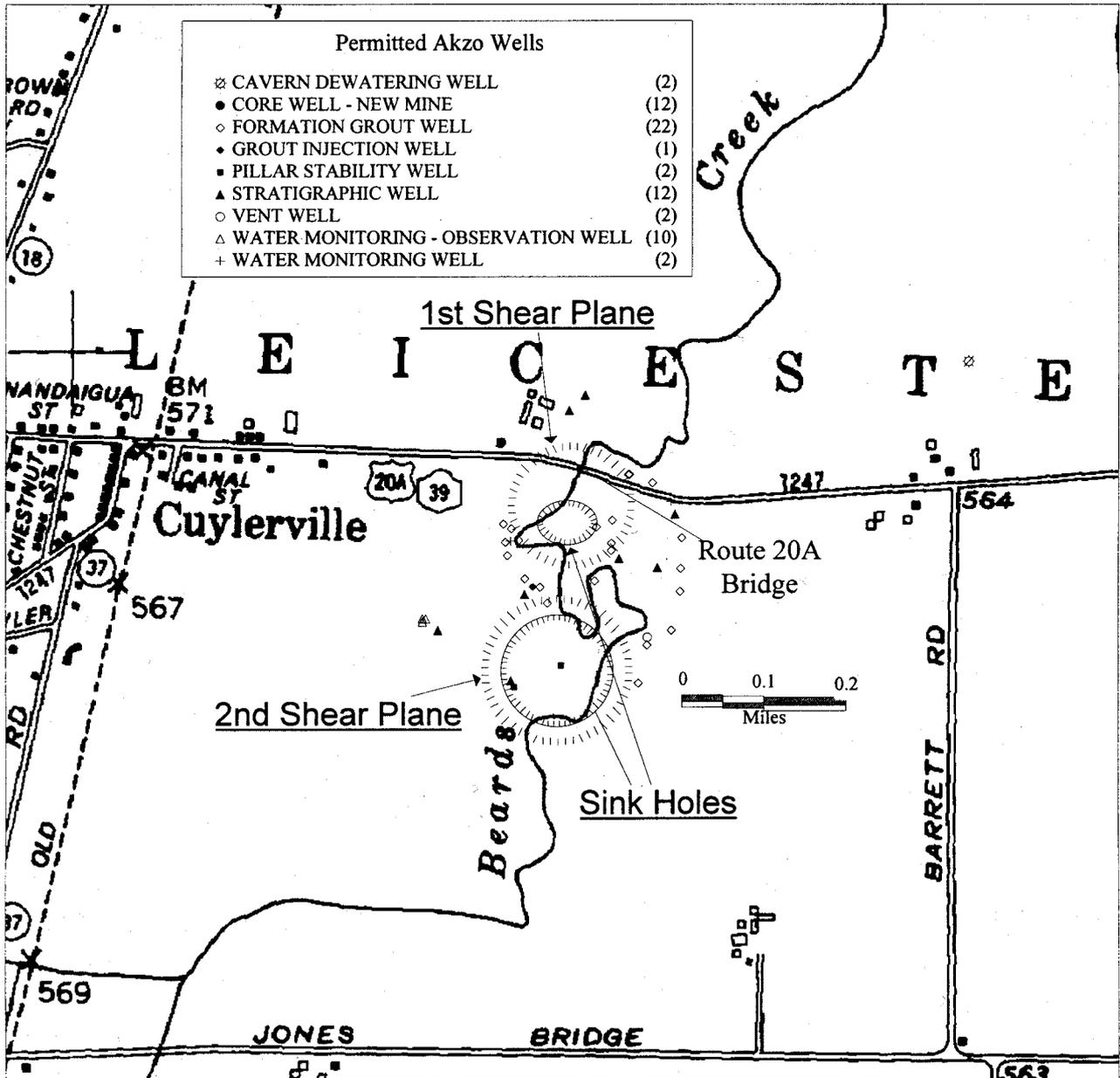
Impacts resulting from the collapse and subsidence include, but are not limited to, the creation of two large subsidence features (over 800 feet in diameter), the loss of potable water supplies, general area subsidence due to aquifer dewatering, loss of a primary state route through Cuylerville, structural damage to homes and businesses, lowered air quality resulting from the emanation of hydrogen sulfide gas and the loss of agricultural lands and cultural resources.

The Akzo mine collapse has proven to be an extremely challenging project for both the Oil and Gas and Mined Land Reclamation Programs. Administration of NYSDEC mandates has involved significant amounts of overtime, evening, weekend and holiday work assignments. The issues surrounding Akzo include environmental impacts, public health, safety,

employment and the local and regional economies.

This regional catastrophe and its remediation has drawn considerable attention from the Governor's Office and State Legislature. Several environmental and citizen's groups have been involved with the existing and new mine.

No less than seven state and five federal agencies along with several county and local governmental offices have played a role in this project. Involvement with the impacts associated with the mine collapse and oversight of the new facility are expected to continue for a minimum of two more years.





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

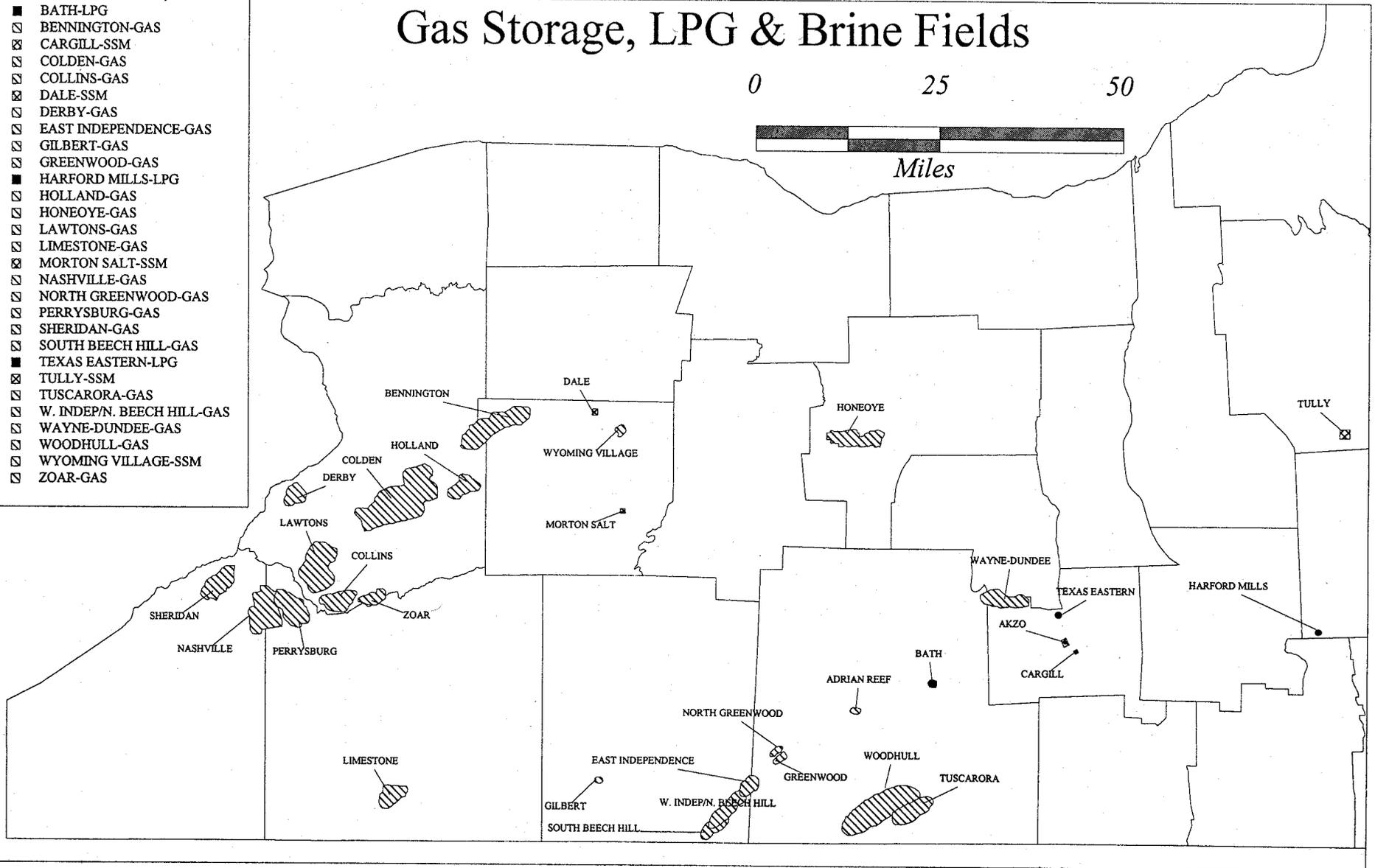
- ☐ ADRIAN REEF-GAS
- AKZO NOBEL SALT, INC.-LPG
- ☐ AKZO NOBEL SALT, INC.-SSM
- BATH-LPG
- ☐ BENNINGTON-GAS
- ☐ CARGILL-SSM
- ☐ COLDEN-GAS
- ☐ COLLINS-GAS
- ☐ DALE-SSM
- ☐ DERBY-GAS
- ☐ EAST INDEPENDENCE-GAS
- ☐ GILBERT-GAS
- ☐ GREENWOOD-GAS
- HARFORD MILLS-LPG
- ☐ HOLLAND-GAS
- ☐ HONEOYE-GAS
- ☐ LAWTONS-GAS
- ☐ 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

# Gas Storage, LPG & Brine Fields

0 25 50



Miles



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

MINED LAND RECLAMATION

Steve Potter

Mining is an important element in the economy of the State of New York. In 1994, more than 4,500 workers were employed in the extractive mineral industry in New York State. Currently New York State is ranked 14th 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 1994, 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.

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 119 permits during 1994. Two thousand five hundred thirty (2,530) mines, 1,811 industry-owned and 719 government-owned, were active in the State at year-end 1994. The mines encompassed 16,876 hectares (41,698 acres), of which over 10

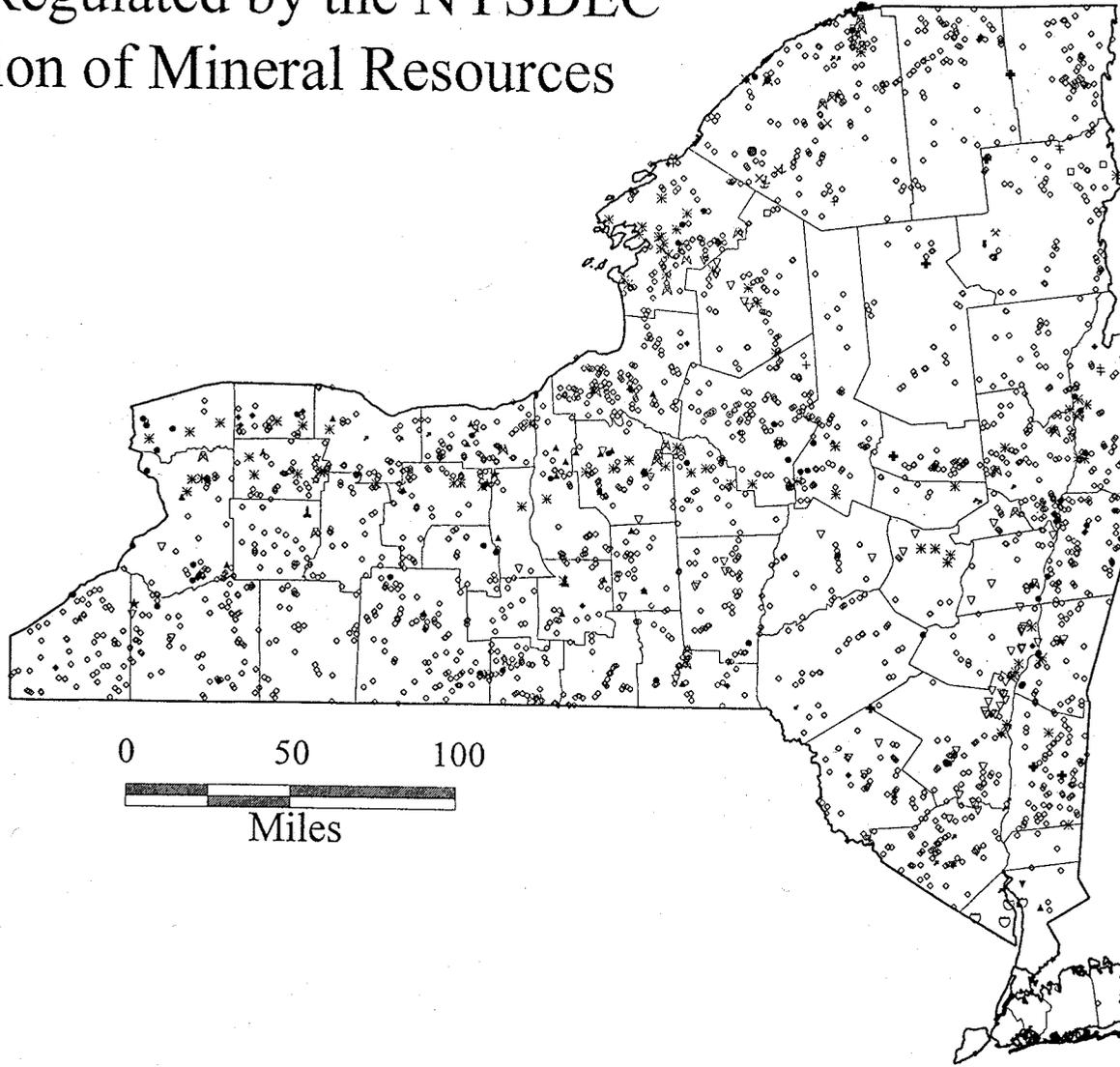
percent, or about 4,304 acres, has been reclaimed.

The map on page 17 shows the distribution and number of mines regulated by the Division. The top five counties for the number of mines are: St. Lawrence - 132, Jefferson - 115, Oswego - 110, Steuben - 92 and Oneida with 86.

There are eight Mined Land Reclamation Specialists (MLRS) to oversee and inspect each of the 2,530 mines in New York State. That's about 315 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



New York State Mines by Mineral	
•	CLAY (57)
◦	DIMENSION STONE (1)
◊	DOLOSTONE (16)
∇	EMERY (1)
†	GARNET (2)
▲	GLACIAL TILL (28)
+	GRANITE (8)
△	GYPSUM (1)
◊	INDUSTRIAL SAND (4)
×	IRON ORE (1)
*	LIMESTONE (80)
●	MARBLE (1)
☆	MARL (2)
★	PEAT (4)
↓	SALT (2)
◊	SAND AND GRAVEL (2220)
•	SANDSTONE (20)
∇	SHALE (63)
+	STONE (7)
↓	TALC (3)
▲	TOPSOIL (32)
◊	TRAP ROCK (4)
◊	WOLLASTONITE (3)
×	ZINC (3)

**DIVISION OF MINERAL RESOURCES**  
**OIL AND GAS STATISTICS \***  
**( 1985 - 1994 )**

<b>ANNUAL PRODUCTION</b>	1985	1986	1987	1988	1989	1990	1991	Rev. 1992	Rev. 1993	Prel. 1994
OIL (1000 BBLS)	1,071	853	710	567	496	417	426	406	341	299
GAS (MMCF)	33,061	34,796	29,549	28,125	25,673	25,112	23,438	23,582	22,145	20,476
<b>WELL STATISTICS</b>										
OIL	4,914	4,448	4,228	4,368	4,043	3,906	3,619	3,761	3,783	3,258
GAS	4,794	5,088	5,351	5,328	5,411	5,536	5,757	5,866	5,986	5,884
INACTIVE OIL	1,614	1,677	1,582	1,478	1,775	1,752	1,362	939	1,137	1,017
INACTIVE GAS	891	791	961	870	845	955	707	563	505	492
STORAGE	841	836	845	854	854	854	869	865	865	876 #
ACTIVE BRINE	48	61	60	65	64	63	64	52	80	83
INACTIVE BRINE	53	64	36	36	27	28	29	16	140	80 !
WATER INJECTION	2,037	1,658	1,376	1,382	1,196	1,274	875	835	859	679
P&A (DURING YEAR)	269	471	417	322	260	961	376	244	263	188
NUMBER OF WELLS	15,461	15,094	14,856	14,703	14,475	15,329	13,658	13,141	13,618	12,557
<b>DRILLING AND COMPLETIONS</b>										
1. TOTAL WELLS SPUDDED	556	311	217	211	217	221	213	205	134	133
2. TOTAL WILDCATS	43	14	11	10	5	12	10	5	5	2
3. DISCOVERIES	31	6	4	4	0	6	5	1	2	1
Oil Wildcat	13	1	1	0	0	0	0	0	0	0
Gas Wildcat	18	5	3	4	2	6	5	1	2	1
4. TOTAL DRY HOLES	25	13	17	18	12	16	17	17	19	7
5. OIL										
Development	106	44	19	15	28	43	51	71	26	34
Extension	0	0	0	0	0	0	0	0	0	0
6. GAS										
Development	373	271	222	150	157	132	124	73	97	46
Extension	1	2	17	10	22	10	4	1	1	0
7. INJECTION	0	0	1	0	14	1	0	0	2	0
8. DISPOSAL	0	0	1	0	0	0	0	0	0	0
9. STRATIGRAPHIC	0	1	0	1	2	3	0	0	2	41
10. SERVICE	1	0	0	1	0	0	1	1	4	0
11. BRINE	7	7	25	6	8	12	1	15	14	6
12. STORAGE	0	1	12	0	0	0	12	13	4	0
13. TOTAL COMPLETIONS (3,4,5,6,7,8,9,10,11,12)	544	345	318	205	245	223	215	192	171	135
15. TOTAL FOOTAGE (1000 FEET)	1,281	879	819	559	611	549	622	464	454	280
<b>PROVEN RESERVES AT YEAR END</b>										
GAS A. IN SITU	260,431	263,273	268,829	268,743	270,074	266,410	265,320	252,988	245,843	232,530
(MMCF) B. IN STORAGE										
RESERVOIRS	138,475	140,941	140,363	144,819	131,785	141,900	150,694	150,800	153,400	154,200
C. TOTAL	398,906	404,214	409,192	413,562	401,859	408,310	416,014	403,788	399,243	386,730
OIL (1000 BBLS)	10,707	9,854	10,425	2,000	2,441	2,001	2,100	2,962	2,900	2,800

! Includes unplugged Tully Valley Brine Wells.

\* Statistics for lines 2 - 15 are based upon received completions reports from the operators. Statistics computed on May 18, 1995.

# Includes 10 LPG storage wells.

## Wildcats, Field Extensions & Stratigraphic Tests, New York State 1994

### Wildcats

Well Name	API #	Operator	County	Formation	TD	Result
Dichario 1	31- 101- 21570	Eastern American Energy Corp.	Steuben		3,590	Dry & Abandoned
Matusik, J #1	31- 121- 22520	Ardent Resources, Inc.	Wyoming	Theresa	6,321	Discovery

### Field Extensions

Well Name	API #	Operator	County	Formation	TD	Field
<i>There were no field extensions in New York for 1994</i>						

### Stratigraphic Tests

Well Name	API #	Operator	County	Formation	TD
Well 9401	31- 051- 21508	Akzo Nobel Salt Inc	Livingston		1,137
Well 9406	31- 051- 21509	Akzo Nobel Salt Inc	Livingston		1,002
Well 9405	31- 051- 21510	Akzo Nobel Salt Inc	Livingston		720
Well 9404	31- 051- 21511	Akzo Nobel Salt Inc	Livingston		700
Well 9407	31- 051- 21512	Akzo Nobel Salt Inc	Livingston		1,268
Well 9402	31- 051- 21513	Akzo Nobel Salt Inc	Livingston		1,095
Well 9411	31- 051- 21514	Akzo Nobel Salt Inc	Livingston		1,000
Well 9408	31- 051- 21515	Akzo Nobel Salt Inc	Livingston		702
Well 9409	31- 051- 21516	Akzo Nobel Salt Inc	Livingston		838
Well 9410	31- 051- 21517	Akzo Nobel Salt Inc	Livingston		503
Well 9412	31- 051- 21518	Akzo Nobel Salt Inc	Livingston		580
Well 9415	31- 051- 21519	Akzo Nobel Salt Inc	Livingston		775
Well 9414	31- 051- 21520	Akzo Nobel Salt Inc	Livingston		835
Well 9413	31- 051- 21521	Akzo Nobel Salt Inc	Livingston		1,078
Well 9416	31- 051- 21522	Akzo Nobel Salt Inc	Livingston		588
Well 9417	31- 051- 21523	Akzo Nobel Salt Inc	Livingston		702
Well 9418	31- 051- 21524	Akzo Nobel Salt Inc	Livingston		803

**Stratigraphic Tests**

<b>Well Name</b>	<b>API #</b>	<b>Operator</b>	<b>County</b>	<b>Formation</b>	<b>TD</b>
Well 9419	31- 051- 21525	Akzo Nobel Salt Inc	Livingston		705
Well 9420	31- 051- 21526	Akzo Nobel Salt Inc	Livingston		650
Well 9421	31- 051- 21527	Akzo Nobel Salt Inc	Livingston		693
Well 9422	31- 051- 21528	Akzo Nobel Salt Inc	Livingston		520
Well 9423	31- 051- 21529	Akzo Nobel Salt Inc	Livingston		415
Well 9424	31- 051- 21530	Akzo Nobel Salt Inc	Livingston		702
Well 9425	31- 051- 21531	Akzo Nobel Salt Inc	Livingston		752
Well 9426	31- 051- 21532	Akzo Nobel Salt Inc	Livingston		978
Well 9427	31- 051- 21533	Akzo Nobel Salt Inc	Livingston		1,007
Well 9428	31- 051- 21534	Akzo Nobel Salt Inc	Livingston		752
Well 9429	31- 051- 21535	Akzo Nobel Salt Inc	Livingston		60
Well 9430A	31- 051- 21536	Akzo Nobel Salt Inc	Livingston		995
Well 9431	31- 051- 21537	Akzo Nobel Salt Inc	Livingston		533
Well 9432	31- 051- 21538	Akzo Nobel Salt Inc	Livingston		532
Well 9433	31- 051- 21539	Akzo Nobel Salt Inc	Livingston		1,000
Well 9440	31- 051- 21548	Akzo Nobel Salt Inc	Livingston		942
Well 9444	31- 051- 21555	Akzo Nobel Salt Inc	Livingston		1,427
Well 9445	31- 051- 21556	Akzo Nobel Salt Inc	Livingston		1,061
Well 9443	31- 051- 21557	Akzo Nobel Salt Inc	Livingston		1,415
Well 9442	31- 051- 21558	Akzo Nobel Salt Inc	Livingston		1,710
Well 9441	31- 051- 21559	Akzo Nobel Salt Inc	Livingston		1,470
Well 9406A	31- 051- 21569	Akzo Nobel Salt Inc	Livingston		340
Well 9452	31- 051- 21571	Akzo Nobel Salt Inc	Livingston		1,780
Well 9453	31- 051- 21572	Akzo Nobel Salt Inc	Livingston		1,646

### Permits Issued During 1994

COUNTY	TOWN	OWNER	API NUMBER	WELL NAME	TD	SPUD DATE	WELL TYPE	FORMATION
Allegany	Andover	Otis Eastern Service Inc	003 - 22489	Dean, H #69-1	1452	06/27/94	OD	Fulmer Valley
Allegany	Andover	Otis Eastern Service Inc	003 - 22490	Dean, J #4	1531	06/29/94	OD	Fulmer Valley
Allegany	Andover	Otis Eastern Service Inc	003 - 22496	Herr D 1A	2029	07/08/94	OD	Fulmer Valley
Allegany	Andover	Otis Eastern Service Inc	003 - 22491	Lynch, C #1A	2028	07/06/94	OD	Fulmer Valley
Allegany	Andover	Otis Eastern Service Inc	003 - 22492	McAndrew, R #48-1	1457	07/01/94	OD	Fulmer Valley
Allegany	Andover	Otis Eastern Service Inc	003 - 22493	Wormley, F #3	1456	07/12/94	OD	Fulmer Valley
Allegany	Granger	A. J. Lease Account	003 - 22499	Michaels, F #1	2817	08/16/94	DH	
Allegany	Independence	Potter Oil Company	003 - 22494	Potter 12	2199	07/21/94	OD	Fulmer Valley
Allegany	Independence	Richardson Petroleum Corp	003 - 22467	Bledsoe #1X	1839	08/04/94	OD	Fulmer Valley
Allegany	Independence	Richardson Petroleum Corp	003 - 22466	Bledsoe #2X	1835	07/30/94	OD	Fulmer Valley
Allegany	Independence	Richardson Petroleum Corp	003 - 22465	Bledsoe #3X	1824	07/26/94	OD	Fulmer Valley
Allegany	Independence	Richardson Petroleum Corp	003 - 22468	Bledsoe #4X	1825	07/24/94	OD	Fulmer Valley
Allegany	Independence	Richardson Petroleum Corp	003 - 22529	Clark 100 #1	1975	11/30/94	OD	Fulmer Valley
Allegany	Independence	Richardson Petroleum Corp	003 - 22530	Clark 100 #2	1850	12/06/94	OD	Fulmer Valley
Broome	Kirkwood	Quaker State Corp.	007 - 21554	O'Neil #1	5025	10/07/94	DH	
Cattaraugus	Allegany	Hydro-Carbon Generation Inc.	009 - 22495	Benson-Riehle #5	3550	07/14/94	GD	Oriskany
Cattaraugus	Leon	Energy Control Unlimited Inc.	009 - 22470	Hochstetler #1	3925	03/15/94	GD	Medina
Cattaraugus	Leon	Ivan Hall & Associates, Inc.	009 - 22537	Padgett Unit #2	0	**/**/**	TR	
Cattaraugus	New Albion	Matrix Energy Development	009 - 22534	Moody, B #1	4200	11/17/94	GD	Medina
Cattaraugus	Persia	Texas Keystone, Inc.	009 - 22501	Hawkins #1	0	01/30/95		
Cattaraugus	Persia	Texas Keystone, Inc.	009 - 22500	Plateau Recreation #2	0	**/**/**	EX	
Cattaraugus	Yorkshire	Fault Line Oil Corp	009 - 21869	Worden #1	6430	05/14/90	GD	Medina
Chautauqua	Busti	Nornew, Inc	013 - 22513	Carlson, C #1	4383	09/21/94	GD	Medina
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22464	Connelly #2G	601	03/07/94	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22477	Connelly #3G	574	05/14/94	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22478	Connelly #5G	369	05/21/94	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22474	Connelly #6G	701	03/31/94	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22509	Drayer #5G	0	**/**/**	EX	
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22510	Drayer #6G	0	11/17/94	CN	
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22511	Drayer #7G	384	10/03/94	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22512	Drayer #8G	0	**/**/**	EX	
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22460	Foe #1G	0	**/**/**	EX	
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22504	Nelson, M #11G	423	10/27/94	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22475	Nelson, M #1G	650	04/26/94	OD	Glade

### Permits Issued During 1994

COUNTY	TOWN	OWNER	API		TD	SPUD	WELL	
			NUMBER	WELL NAME		DATE	TYPE	FORMATION
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22461	Nelson, M #2G	599	03/01/94	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22476	Nelson, M #4G	595	04/18/94	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22508	Nelson, M #6G	0	**/**/**	EX	
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22507	Nelson, M #7G	496	12/19/94	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22506	Nelson, M #8G		03/30/95	RI	
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22505	Nelson, M #9G	548	01/19/95	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22463	Nelson, T #1G	675	03/11/94	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22479	Nelson, T #2G	678	05/05/94	OD	Glade
Chautauqua	Busti	Sinclairville Petroleum Corp	013 - 22462	Selanne, T #1	0	06/04/94	CN	
Chautauqua	Busti	Stedman Energy Inc	013 - 22502	Parisi #1	4614	09/13/94	GD	Medina
Chautauqua	Chautauqua	Belden & Blake Corporation	013 - 22517	Ostrander #2	3340	10/13/94	GD	Medina
Chautauqua	Chautauqua	Belden & Blake Corporation	013 - 22516	Weise #2	3237	10/07/94	GD	Medina
Chautauqua	Clymer	Cabot Oil & Gas Corp	013 - 22521	Brautigan F. #3	0	**/**/**	EX	
Chautauqua	Clymer	Cabot Oil & Gas Corp	013 - 22487	Goldberg, J #1	4394	07/05/94	GD	Medina
Chautauqua	Clymer	Cabot Oil & Gas Corp	013 - 22486	Nyweide, J #1B	4454	06/29/94	GD	Medina
Chautauqua	Ellery	New York Gas & Oil Drilling Co	013 - 22497	Kaluza 1	7288	07/27/94	TA	
Chautauqua	Ellery	New York Gas & Oil Drilling Co	013 - 22531	Liddell #1	0	12/16/94	CN	
Chautauqua	Ellery	New York Gas & Oil Drilling Co	013 - 22458	Swanson #1	3880	03/10/94	GD	Medina
Chautauqua	Ellery	Stedman Energy Inc	013 - 18298	Haskins, R #1	0	05/16/83	RI	
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22535	Johnson #5	3692	12/08/94	GD	Medina
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22536	Johnson #6	3756	11/22/94	GD	Whirlpool
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22519	Lindstrom #1	3868	09/28/94	GD	Medina
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22528	Marucci #3	2515	11/08/94	OD	Bass Island
Chautauqua	Gerry	Oil, Gas & Land Services, Inc.	013 - 22503	Reed #8	3969	09/02/94	GD	Medina
Chautauqua	Hanover	Schreiner Oil & Gas Inc.	013 - 22469	Emmco 1	2057	03/08/94	GD	Medina
Chautauqua	Hanover	Schreiner Oil & Gas Inc.	013 - 22457	Hawley, C #1	2228	02/25/94	GD	Medina
Chautauqua	Hanover	Schreiner Oil & Gas Inc.	013 - 22525	Orr #1	2154	10/29/94	GD	Medina
Chautauqua	Hanover	Schreiner Oil & Gas Inc.	013 - 22456	Restivo, A #1	2103	02/22/94	GD	Medina
Chautauqua	Kiantone	Nornew, Inc	013 - 22514	Withers #1	4674	09/27/94	GD	Medina
Chautauqua	Mina	Belden & Blake Corporation	013 - 22515	Pratt #2	3846	10/20/94	GD	Medina
Chautauqua	North Harmony	CEI 1992-93 Joint Venture	013 - 22498	Butts 1-B	0	08/09/94	CN	
Chautauqua	North Harmony	Chautauqua Energy Inc	013 - 20393	Butts #1A	4091	**/**/**	CN	
Chautauqua	North Harmony	Resource America, Inc.	013 - 11530	Blakeslee #2	4160	08/09/75	GD	Medina
Chautauqua	North Harmony	Resource America, Inc.	013 - 12160	Hudson #1	3890	09/29/76	RI	

### Permits Issued During 1994

COUNTY	TOWN	OWNER	API NUMBER	WELL NAME	TD	SPUD DATE	WELL TYPE	FORMATION
Chautauqua	Sherman	Cabot Oil & Gas Corp	013 - 22488	Messenger, C #2A	4202	07/13/94	GD	Medina
Chautauqua	Stockton	Matrix Energy Development	013 - 22532	Chautauqua Firemen #1	3305	12/06/94	GD	Medina
Chautauqua	Westfield	Schreiner Oil & Gas Inc.	013 - 22459	Laporte, J #1	2600	03/01/94	GD	Medina
Chautauqua	Westfield	Schreiner Oil & Gas Inc.	013 - 22518	Young #1	2357	10/20/94	GD	Medina
Chautauqua	Westfield	U S Energy Development Corp	013 - 22526	Schuster #1	2774	10/28/94	GD	Medina
Chautauqua	Westfield	U S Energy Development Corp	013 - 22527	Westfield Watershed #7	3272	11/05/94	GD	Medina
Chautauqua	Westfield	U S Energy Development Corp	013 - 22523	Westfield Watershed #9	3298	10/22/94	GD	Medina
Erie	Aurora	Schreiner Oil & Gas Inc.	029 - 22533	Skotnicki 1	2055	11/16/94	GD	Medina
Erie	Aurora	Schreiner Oil & Gas Inc.	029 - 22522	Thompson #1	1956	11/03/94	GD	Medina
Erie	Aurora	Schreiner Oil & Gas Inc.	029 - 22524	Yates #1S	2075	11/11/94	GD	Medina
Erie	Concord	Matrix Energy Development	029 - 22472	Laca, A #1	3225	03/26/94	GD	Medina
Erie	Concord	Matrix Energy Development	029 - 22538	Smith R #1	3325	12/12/94	GD	Medina
Erie	Sardinia	Matrix Energy Development	029 - 22471	Carlsen, A #1	3310	03/25/94	GD	Medina
Erie	Wales	Matrix Energy Development	029 - 22473	Shevlin, T #1	1905	03/28/94	GD	Medina
Genesee	Darien	United States Gypsum Co.	037 - 21549	J. & J. Oles 1	0	09/01/94	CN	
Genesee	Elba	United States Gypsum Co.	037 - 21550	R. St. John Jr. 1	0	09/07/94	CN	
Genesee	Pembroke	Subsea Oil & Gas Inc	037 - 21507	Manucha 1	1053	10/18/94	GD	Medina
Genesee	Pembroke	Subsea Oil & Gas Inc	037 - 21567	Neu 1	1101	11/01/94	GD	Medina
Livingston	Geneseo	Akzo Nobel Salt Inc	051 - 21572	Well 9453	1646	12/15/94	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21559	Well 9441	1470	10/11/94	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21558	Well 9442	1710	09/23/94	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21557	Well 9443	1415	11/08/94	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21555	Well 9444	1427	09/01/94	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21571	Well 9452	1780	11/28/94	SG	
Livingston	Groveland	Akzo Nobel Salt Inc	051 - 21573	Well 9459	0	01/06/95	CN	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21508	Well 9401	1137	03/17/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21513	Well 9402	1095	04/04/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21511	Well 9404	700	03/18/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21510	Well 9405	720	03/22/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21509	Well 9406	1002	03/29/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21569	Well 9406A	340	10/19/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21512	Well 9407	1268	03/23/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21515	Well 9408	702	04/26/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21516	Well 9409	838	04/12/94	SG	

### Permits Issued During 1994

COUNTY	TOWN	OWNER	API NUMBER	WELL NAME	TD	SPUD DATE	WELL TYPE	FORMATION
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21517	Well 9410	503	04/01/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21514	Well 9411	1000	03/30/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21518	Well 9412	580	04/01/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21521	Well 9413	1078	04/14/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21520	Well 9414	835	04/10/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21519	Well 9415	775	09/06/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21522	Well 9416	588	04/15/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21523	Well 9417	702	04/20/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21524	Well 9418	803	04/20/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21525	Well 9419	705	04/18/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21526	Well 9420	650	04/24/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21527	Well 9421	693	04/16/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21528	Well 9422	520	05/02/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21529	Well 9423	415	05/02/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21530	Well 9424	702	05/13/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21531	Well 9425	752	05/05/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21532	Well 9426	978	05/09/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21533	Well 9427	1007	05/06/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21534	Well 9428	752	05/10/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21535	Well 9429	60	06/06/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21536	Well 9430A	995	08/18/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21537	Well 9431	533	06/01/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21538	Well 9432	532	06/01/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21539	Well 9433	1000	08/19/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21540	Well 9434	0	**/**/**	EX	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21541	Well 9435	0	**/**/**	EX	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21542	Well 9436	0	**/**/**	EX	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21543	Well 9437	0	**/**/**	EX	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21544	Well 9438	0	**/**/**	EX	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21545	Well 9439	0	**/**/**	EX	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21548	Well 9440	942	06/24/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21556	Well 9445	1061	09/13/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21561	Well 9446	499	09/20/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21562	Well 9447	0	**/**/**	CN	

### Permits Issued During 1994

COUNTY	TOWN	OWNER	API NUMBER	WELL NAME	TD	SPUD DATE	WELL TYPE	FORMATION
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21563	Well 9448	0	**/**/**	CN	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21564	Well 9449	678	11/28/94	SG	
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21565	Well 9450	0	01/11/95		
Livingston	Leicester	Akzo Nobel Salt Inc	051 - 21566	Well 9451	0	01/27/95		
Steuben	Bath	Bath Petroleum Storage Inc.	101 - 21551	BPS 8	0	02/23/95		
Steuben	Hornellsville	Eastern American Energy Corp.	101 - 21560	Clarke 1	0	10/04/94	GW	
Steuben	Hornellsville	Eastern American Energy Corp.	101 - 21570	Dichario 1	3590	12/12/94	DW	
Tioga	Nichols	Quaker State Corp.	107 - 21546	Traue 01	0	**/**/**	EX	
Tioga	Owego	Quaker State Corp.	107 - 21547	Faber 01	5435	08/20/94	DH	
Tioga	Owego	Quaker State Corp.	107 - 21552	Wiggins No. 1	5130	09/13/94	DH	
Wyoming	Arcade	Ardent Resources, Inc.	121 - 22520	Matusik, J #1	6321	10/04/94	GW	Theresa
Wyoming	Middlebury	Texas Brine Corp	121 - 22482	Hooker #115	1500	07/05/94	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22483	Hooker #116	1505	06/23/94	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22484	Hooker #117	1475	07/20/94	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22485	Hooker #118	1492	07/14/94	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22363	Hooker 107	1375	06/13/94	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22364	Hooker 108	1328	06/06/94	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22480	Texas Brine #60	1428	08/15/94	BR	Salina
Wyoming	Middlebury	Texas Brine Corp	121 - 22481	Texas Brine #61	1445	08/08/94	BR	Salina
Wyoming	Sheldon	United States Gypsum Co.	121 - 16017	Tozier #1	2484	**/**/**	CN	

BR = Brine  
 CN = Completion Report Not Received  
 DH = Dry Hole  
 DW = Dry Wildcat

EX = Expired  
 GD = Gas Development  
 GE = Gas Extension  
 GW = Gas Wildcat

IW = Water Injection  
 OD = Oil Development  
 RI = Reissued  
 SG = Stratigraphic

SI = Shut-in  
 ST = Storage  
 TA = Temporilily Abandoned - by Application  
 TR = Transfer

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
**1994 Oil and Gas Production by Town in Each County\***

<b>Town</b>	<b>Oil (BBLs)</b>	<b>Gas (MCF)</b>	<b>Water (BBLs)</b>	<b>Active Oil Wells</b>	<b>Inactive Oil Wells</b>	<b>Active Gas Wells</b>	<b>Inactive Gas Wells</b>	<b>Water Injection Wells</b>
<b>Allegany County</b>								
Alfred	0	80	0	0	0	1	0	0
Alma	4,285	41,973	5,751	227	178	59	2	19
Almond	0	0	0	0	0	0	1	0
Amity	215	56,894	1,382	26	1	2	0	0
Andover	3,640	290	2,022	87	32	1	0	0
Bolivar	9,875	1,981	122,268	389	146	0	6	188
Caneadea	0	0	0	0	0	0	2	0
Centerville	0	0	0	0	0	0	1	0
Clarksville	353	40	100	10	4	0	0	0
Friendship	120	10	214	1	0	1	0	0
Genesee	1,254	1,150	1,901	72	103	3	4	49
Independence	19,405	79,927	101,060	222	8	3	4	28
Rushford	0	0	0	0	2	0	4	0
Scio	431	39,246	3,574	49	115	6	1	29
Ward	1	210	11	21	4	3	0	7
Wellsville	2,710	75	135	33	23	1	1	9
Willing	0	128,732	9	0	12	4	2	0
Wirt	1,166	300	1,688	108	32	15	1	0

<b>subtotal</b>	<b>43,455</b>	<b>350,908</b>	<b>240,115</b>	<b>1,245</b>	<b>660</b>	<b>99</b>	<b>29</b>	<b>329</b>
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**Cattaraugus County**

Allegany	51,730	15,867	1,083,297	769	216	34	8	272
Ashford	1,744	22,395	8	1	0	11	5	0
Carrollton	82,910	36,283	163,207	602	68	4	1	36
Cold Spring	0	0	0	0	0	0	1	0
Conewango	0	256,975	76	0	0	76	4	0
Dayton	0	129,197	151	0	0	46	3	0
East Otto	0	4,016	90	0	0	5	3	0
Ellicottville	0	11,786	8	0	0	14	2	0
Farmersville	0	0	0	0	5	0	3	0
Freedom	0	6,469	1	0	0	8	3	0
Great Valley	0	1,303	0	0	0	1	0	0
Hinsdale	25	0	2	4	0	0	0	0
Leon	0	1,069,230	323	0	0	79	1	0
Little Valley	0	0	0	0	0	1	0	0
Machias	0	3,113	0	0	0	2	2	0
Mansfield	0	0	0	0	0	1	0	0
Napoli	0	5,060	0	0	0	4	0	0
New Albion	0	22,967	0	0	0	3	8	0
Olean	6,974	135,615	10,602	94	36	1	0	33
Otto	0	132,021	255	0	0	58	2	0
Perrysburg	0	1,826	0	0	0	10	0	0
Persia	0	210,715	10	0	0	77	1	0
Portville	0	0	0	0	5	0	0	0

**Cattaraugus County (Cont)**

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
**1994 Oil and Gas Production by Town in Each County\***

<b>Town</b>	<b>Oil (BBLs)</b>	<b>Gas (MCF)</b>	<b>Water (BBLs)</b>	<b>Active Oil Wells</b>	<b>Inactive Oil Wells</b>	<b>Active Gas Wells</b>	<b>Inactive Gas Wells</b>	<b>Water Injection Wells</b>
Randolph	692	159,181	64	1	0	85	0	0
South Valley	0	2,024	0	0	0	2	0	0
Yorkshire	0	60,529	9	0	0	14	0	0
<b>subtotal</b>	<b>144,075</b>	<b>2,286,572</b>	<b>1,258,103</b>	<b>1,471</b>	<b>330</b>	<b>536</b>	<b>47</b>	<b>341</b>

**Cayuga County**

Auburn	0	3,563	0	0	0	1	1	0
Aurelius	0	680,412	2,025	0	0	134	0	0
Cato	0	1	0	0	0	1	0	0
Fleming	0	138,283	291	0	0	32	0	0
Ledyard	0	1	0	0	0	1	1	0
Owasco	0	400	0	0	0	3	0	0
Scipio	0	0	0	0	0	1	0	0
Sennett	0	7,019	133	0	0	2	0	0
Springport	0	597,154	2,043	0	0	115	0	0
Throop	0	8,401	0	0	0	9	0	0
<b>subtotal</b>	<b>0</b>	<b>1,435,234</b>	<b>4,492</b>	<b>0</b>	<b>0</b>	<b>299</b>	<b>2</b>	<b>0</b>

**Chautauqua County**

Arkwright	0	219,131	2,137	0	0	128	6	0
Busti	22,174	753,646	6,562	390	12	110	18	0
Carroll	0	130,857	23	0	3	39	11	0
Charlotte	0	216,879	3,029	2	1	96	5	0
Chautauqua	0	816,234	5,759	0	0	297	20	0
Cherry Creek	0	209,322	1,014	0	0	116	6	0
Clymer	7,120	780,057	15,861	4	1	101	13	0
Dunkirk	0	118,382	1,096	0	0	41	5	0
Ellery	3,841	493,463	9,521	11	5	99	12	0
Ellicott	0	229,356	949	0	0	48	0	0
Ellington	0	279,225	867	0	0	168	13	0
French Creek	0	88,831	2,404	0	0	75	13	0
Gerry	13,667	416,204	18,961	13	1	140	10	0
Hanover	0	170,236	930	0	0	70	2	0
Harmony	0	419,757	11,616	0	0	107	8	0
Kiantone	0	118,404	272	0	0	31	0	0
Mina	0	123,135	1,129	0	0	70	9	0
North Harmony	9,374	333,884	12,204	15	1	69	13	0
Poland	73	384,978	363	2	0	108	0	0
Pomfret	1	509,722	3,098	1	0	175	14	0
Portland	0	338,601	672	0	0	129	4	0
Ripley	0	315,319	2,703	0	0	179	13	0

**Chautauqua County (Cont)**

Sheridan	0	243,682	2,567	0	0	78	8	0
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New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
**1994 Oil and Gas Production by Town in Each County\***

Town	Oil	Gas	Water	Active	Inactive	Active	Inactive	Water
	(BBLs)	(MCF)	(BBLs)	Oil	Oil	Gas	Gas	Injection
				Wells	Wells	Wells	Wells	Wells
Sherman	1,769	338,735	5,962	1	0	80	2	0
Stockton	0	215,877	1,162	0	0	102	3	0
Villenova	0	200,376	2,457	0	0	79	2	0
Westfield	0	873,362	4,511	0	0	252	4	0
<b>subtotal</b>	<b>58,019</b>	<b>9,337,655</b>	<b>117,829</b>	<b>439</b>	<b>24</b>	<b>2,987</b>	<b>214</b>	<b>0</b>

**Chemung County**

Elmira	0	3	0	0	0	1	0	0
Van Etten	0	0	0	0	0	2	0	0
<b>subtotal</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>

**Erie County**

Alden	0	85,238	1,127	0	0	53	10	0
Aurora	0	49,071	114	0	0	38	5	0
Boston	0	70,723	1,160	0	0	31	3	0
Brant	0	221,488	2,599	0	0	98	6	0
Buffalo	0	1,276	0	0	0	2	0	0
Cheektowaga	0	5,843	6	0	0	11	3	0
Clarence	0	2,162	1	0	0	6	2	0
Colden	0	3,698	0	0	0	9	0	0
Collins	0	3,057	0	0	0	4	0	0
Concord	0	229,860	690	0	0	53	1	0
Eden	0	175,173	2,594	0	0	133	6	0
Elma	0	164,653	738	0	0	50	7	0
Evans	0	236,184	3,776	0	0	88	16	0
Hamburg	0	98,964	126	0	0	41	4	0
Holland	0	0	0	0	0	0	2	0
Lackawanna	0	1,175	0	0	0	2	1	0
Lancaster	0	43,970	26	0	0	20	4	0
Marilla	0	38,057	170	0	0	28	8	0
Newstead	0	192,926	350	0	0	48	13	0
North Collins	0	71,021	37	0	0	52	2	0
Orchard Park	141	60,588	80	1	0	34	4	0
Sardinia	0	25,264	40	0	0	11	2	0
Tonawanda	0	230	0	0	0	6	2	0
Wales	0	11,186	292	0	0	9	4	0
West Seneca	0	25,981	0	0	0	4	1	0
<b>subtotal</b>	<b>141</b>	<b>1,817,788</b>	<b>13,926</b>	<b>1</b>	<b>0</b>	<b>831</b>	<b>106</b>	<b>0</b>

**Genesee County**

Alabama	0	32,657	176	0	0	28	0	0
Alexander	0	68,330	769	0	0	35	0	0
Batavia	0	75,548	432	0	0	46	2	0

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
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<b>Town</b>	<b>Oil (BBLs)</b>	<b>Gas (MCF)</b>	<b>Water (BBLs)</b>	<b>Active Oil Wells</b>	<b>Inactive Oil Wells</b>	<b>Active Gas Wells</b>	<b>Inactive Gas Wells</b>	<b>Water Injection Wells</b>
Bergen	0	48,869	0	0	0	3	0	0
Bethany	0	38,859	1,984	0	0	30	0	0
Darien	0	594,939	4,153	0	0	204	3	0
Elba	0	1,125	182	0	0	1	0	0
Le Roy	0	26,329	36	0	0	10	0	0
Oakfield	0	22,128	60	0	0	13	0	0
Pavilion	0	29,169	190	0	0	21	0	0
Pembroke	0	203,792	1,123	0	0	111	0	0
Stafford	0	1,836	0	0	0	2	0	0
<b>subtotal</b>	<b>0</b>	<b>1,143,581</b>	<b>9,105</b>	<b>0</b>	<b>0</b>	<b>504</b>	<b>5</b>	<b>0</b>
<b>Livingston County</b>								
Avon	0	19,414	40	0	0	13	3	0
Caledonia	0	78,424	800	0	0	50	1	0
Groveland	0	0	0	0	0	2	0	0
Leicester	0	57,147	230	0	0	24	4	0
Nunda	0	0	0	0	0	1	0	0
Portage	0	1,093	0	0	0	2	0	0
Sparta	0	0	0	0	0	0	1	0
West Sparta	0	50	0	0	0	8	0	0
York	0	57,168	520	0	0	45	5	0
<b>subtotal</b>	<b>0</b>	<b>213,296</b>	<b>1,590</b>	<b>0</b>	<b>0</b>	<b>145</b>	<b>14</b>	<b>0</b>
<b>Madison County</b>								
Brookfield	0	0	0	0	0	0	1	0
Lebanon	0	29,395	0	0	0	2	0	0
<b>subtotal</b>	<b>0</b>	<b>29,395</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>
<b>Monroe County</b>								
Riga	0	0	0	0	0	0	1	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>Niagara County</b>								
Lewiston	0	1,500	0	0	0	1	0	0
<b>subtotal</b>	<b>0</b>	<b>1,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
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<b>Town</b>	<b>Oil (BBLs)</b>	<b>Gas (MCF)</b>	<b>Water (BBLs)</b>	<b>Active Oil Wells</b>	<b>Inactive Oil Wells</b>	<b>Active Gas Wells</b>	<b>Inactive Gas Wells</b>	<b>Water Injection Wells</b>
<b>Oneida County</b>								
Sangerfield	0	0	0	0	0	2	1	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>
<b>Onondaga County</b>								
Lafayette	0	0	0	0	0	0	0	1
Lysander	0	0	0	0	0	0	2	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>
<b>Ontario County</b>								
Bristol	0	4,862	0	0	0	3	0	0
East Bloomfield	0	56,056	18	0	0	12	3	0
Geneva	0	913	0	0	0	2	1	0
Naples	0	150	0	0	0	1	7	0
Phelps	0	0	0	0	0	0	1	0
Richmond	0	160	0	0	0	1	0	1
West Bloomfield	0	2,505	0	0	0	2	0	0
<b>subtotal</b>	<b>0</b>	<b>64,646</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>12</b>	<b>1</b>
<b>Oswego County</b>								
Richland	0	1	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
<b>subtotal</b>	<b>0</b>	<b>101</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>6</b>	<b>0</b>
<b>Schuyler County</b>								
Reading	0	0	0	0	0	1#	0	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Seneca County</b>								
Fayette	0	534,134	582	0	0	98	0	0
Junius	0	0	0	0	0	1	0	0
Seneca Falls	0	2	0	0	0	1	0	0
Varick	0	225,915	58	0	0	44	0	0
Waterloo	0	0	0	0	0	0	1	0

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
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<b>Town</b>	<b>Oil (BBLs)</b>	<b>Gas (MCF)</b>	<b>Water (BBLs)</b>	<b>Active Oil Wells</b>	<b>Inactive Oil Wells</b>	<b>Active Gas Wells</b>	<b>Inactive Gas Wells</b>	<b>Water Injection Wells</b>
<b>subtotal</b>	<b>0</b>	<b>760,051</b>	<b>640</b>	<b>0</b>	<b>0</b>	<b>144</b>	<b>1</b>	<b>0</b>
<b>Steuben County</b>								
Avoca	0	2,910	0	0	0	2	0	0
Bath	0	40,284	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	3,607	0	0	0	1	0	0
Greenwood	578	1,202	2,318	4	0	3	0	0
Hartsville	0	133	28	0	0	2	0	0
Hornby	0	2,647	387	0	0	2	1	0
Howard	0	2,935	0	0	0	2	0	0
Jasper	0	84,978	10	0	0	4	4	0
Troupsburg	0	0	0	0	0	0	1	0
West Union	13,287	6,126	2,612	98	3	3	10	7
<b>subtotal</b>	<b>13,865</b>	<b>144,822</b>	<b>5,357</b>	<b>102</b>	<b>3</b>	<b>22</b>	<b>18</b>	<b>7</b>
<b>Tioga County</b>								
Nichols	0	402,473	103	0	0	4	0	0
Owego	0	1,990,555	416	0	0	8	1	0
<b>subtotal</b>	<b>0</b>	<b>2,393,028</b>	<b>519</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>1</b>	<b>0</b>
<b>Wayne County</b>								
Butler	0	0	0	0	0	1	0	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Wyoming County</b>								
Arcade	0	61,241	52	0	0	37	1	0
Attica	0	200	0	0	0	1	0	0
Bennington	0	213,295	3,207	0	0	89	2	0
Castile	0	2,871	20	0	0	1	4	0
Covington	0	41,317	0	0	0	21	3	0
<b>Wyoming County (Cont)</b>								
Eagle	0	0	0	0	0	0	0	0
Genesee Falls	0	0	0	0	0	0	1	0
Java	0	19,585	25	0	0	21	2	0
Middlebury	0	0	0	0	0	0	8	0
Perry	0	84,797	345	0	0	46	4	0
Pike	0	2,500	0	0	0	1	0	0
Sheldon	0	51,538	856	0	0	38	1	0
Warsaw	0	8,666	0	0	0	5	0	0

*New York State Oil and Gas Drilling and Production and Mineral Resources, 1994*  
**1994 Oil and Gas Production by Town in Each County\***

<b>Town</b>	<b>Oil (BBLs)</b>	<b>Gas (MCF)</b>	<b>Water (BBLs)</b>	<b>Active Oil Wells</b>	<b>Inactive Oil Wells</b>	<b>Active Gas Wells</b>	<b>Inactive Gas Wells</b>	<b>Water Injection Wells</b>
<b>subtotal</b>	<b>0</b>	<b>486,010</b>	<b>4,505</b>	<b>0</b>	<b>0</b>	<b>260</b>	<b>26</b>	<b>0</b>
<b>Yates County</b>								
Barrington	0	0	0	0	0	0	1	0
Benton	0	11,456	0	0	0	9	2	0
Milo	0	0	0	0	0	0	1	0
Potter	0	0	0	0	0	0	1	0
Torrey	0	0	0	0	0	0	1	0
<b>subtotal</b>	<b>0</b>	<b>11,456</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>6</b>	<b>0</b>
<b>TOTAL</b>	<b>259,555</b>	<b>20,476,046</b>	<b>1,656,199</b>	<b>3,258</b>	<b>1,017</b>	<b>5,884</b>	<b>492</b>	<b>679</b>

\* The above statistics 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 May 18, 1995.

# Stratigraphic Well

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
**1994 Oil and Gas Production by Field in Each County\***

Field	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active	Inactive	Active	Inactive	Water Injection Wells
				Oil Wells	Oil Wells	Gas Wells	Gas Wells	
<b>Allegany County</b>								
Alfred	0	290	0	0	0	4	0	0
Alma	0	0	0	0	21	0	0	0
Andover	580	0	1,985	10	14	0	0	0
Beech Hill-Independence	19,824	80,067	101,066	232	8	6	4	28
Browning	261	0	0	27	37	0	0	0
Ceres	35	0	120	1	0	1	1	0
Clarksville	353	40	100	10	4	0	0	0
Farmersville	0	0	0	0	0	0	1	0
Ford's Brook	144	75	65	90	52	1	1	15
Friendship	0	10	0	0	0	1	0	0
Fulmer Valley	5,351	150	166	100	48	0	0	9
Gordon Brook	0	96,140	4,658	0	0	8	1	0
Houghton	0	0	0	0	0	0	2	0
Karr Valley	0	0	0	0	0	0	1	0
Nile	120	0	214	1	0	0	0	0
Richburg	16,571	13,711	131,543	727	469	73	7	270
Rushford	0	0	0	0	2	0	3	0
Scio	216	0	189	47	5	0	0	7
Sherry Hill	0	0	0	0	0	0	3	0
State Line	0	160,425	9	0	0	5	4	0
Unnamed	0	0	0	0	0	0	1	0

<b>subtotal</b>	<b>43,455</b>	<b>350,908</b>	<b>240,115</b>	<b>1,245</b>	<b>660</b>	<b>99</b>	<b>29</b>	<b>329</b>
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**Cattaraugus County**

Ashford	0	19,072	8	0	0	11	4	0
Bradford	111,457	157,226	1,099,398	976	245	33	6	279
Bryant Hill Creek	0	0	0	0	0	3	0	0
Chaffee-Arcade	0	70,051	10	0	0	20	2	0
Chipmunk	20,362	26,300	156,669	233	57	6	1	62
Dayton	0	24,705	0	0	0	7	0	0
Dublin Hollow	0	0	0	0	0	1	0	0
Dutch Hill	1,744	3,323	0	1	0	0	0	0
East Otto	0	0	0	0	0	0	2	0
Ellicottville	0	11,786	8	0	0	11	2	0
Farmersville	0	0	0	0	5	0	1	0
Five Mile	9,222	4,239	889	212	3	0	2	0
Four Mile	598	0	152	48	20	0	0	0
Great Valley	0	1,303	0	0	0	1	0	0
Hog Hollow	0	0	0	0	0	0	4	0
Indian Creek	0	0	0	0	0	1	0	0
Jersey Hollow	0	0	0	0	0	1	0	0
Lakeshore	692	1,950,261	676	1	0	429	20	0
Pigeon Hill	0	60	0	0	0	4	1	0
Unnamed	0	0	0	0	0	0	1	0
Utley Brook	0	18,246	293	0	0	8	1	0

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
**1994 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
<b>Cattaraugus County (Cont)</b>								
<b>subtotal</b>	<b>144,075</b>	<b>2,286,572</b>	<b>1,258,103</b>	<b>1,471</b>	<b>330</b>	<b>536</b>	<b>47</b>	<b>341</b>
<b>Cayuga County</b>								
Auburn	0	7,109	133	0	0	3	0	0
Auburn Geothermal	0	3,563	0	0	0	1	1	0
Blue Tail Rooster	0	1	0	0	0	1	0	0
Unnamed	0	1	0	0	0	2	1	0
West Auburn	0	1,424,560	4,359	0	0	292	0	0
<b>subtotal</b>	<b>0</b>	<b>1,435,234</b>	<b>4,492</b>	<b>0</b>	<b>0</b>	<b>299</b>	<b>2</b>	<b>0</b>
<b>Chautauqua County</b>								
Busti	22,174	4,369	3,409	390	12	6	1	0
Carroll	0	0	0	0	3	0	0	0
Cassadaga Creek	0	12,118	0	0	0	1	0	0
Clymer	7,120	6,831	0	3	0	0	0	0
Clymer Hill	0	0	0	0	1	0	0	0
Ellery	3,841	323,638	7,389	11	5	57	2	0
Fredonia	1	1	0	1	0	0	0	0
Gerry-Charlotte	13,667	76,985	13,103	15	2	16	2	0
Harmony	1,769	1,052	1,495	2	0	0	0	0
Lakeshore	0	8,846,154	87,812	0	0	2,891	204	0
Mud Creek	0	8	0	0	0	1	0	0
North Harmony	9,374	56,131	4,621	15	1	13	3	0
Sprague Hill	45	5,950	0	1	0	0	0	0
Unnamed	28	4,418	0	1	0	2	2	0
<b>subtotal</b>	<b>58,019</b>	<b>9,337,655</b>	<b>117,829</b>	<b>439</b>	<b>24</b>	<b>2,987</b>	<b>214</b>	<b>0</b>
<b>Chemung County</b>								
Dry Wildcat	0	0	0	0	0	1	0	0
Elmira	0	3	0	0	0	1	0	0
Van Etten	0	0	0	0	0	1	0	0
<b>subtotal</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>
<b>Erie County</b>								
Akron	0	69,631	50	0	0	23	3	0
Alden-Lancaster	0	256,601	1,460	0	0	111	28	0
Brant-Eden	0	486,617	6,961	0	0	281	18	0
Buffalo	0	6,258	0	0	0	12	3	0
Buffalo Creek	0	37,909	104	0	0	25	5	0
Central Wales	0	100	0	0	0	5	2	0

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
**1994 Oil and Gas Production by Field in Each County\***

Field	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active	Inactive	Active	Inactive	Water Injection Wells
				Oil Wells	Oil Wells	Gas Wells	Gas Wells	
<b>Erie County (Cont)</b>								
Chaffee-Arcade	0	6,180	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
Collins	0	310	0	0	0	1	0	0
Concord	0	102,078	470	0	0	39	1	0
Concord-Onondaga	0	72,426	12	0	0	4	0	0
Cowlesville	0	6,669	166	0	0	8	4	0
East Aurora	0	48,888	114	0	0	35	4	0
Elma	0	160,477	738	0	0	44	6	0
Glenwood	0	2,508	0	0	0	6	2	0
Holland	0	0	0	0	0	0	1	0
Lakeshore	0	20,081	40	0	0	6	1	0
Lakeview	0	219,237	2,486	0	0	88	15	0
North Collins	0	74,125	167	0	0	49	2	0
Orchard Park-Hamburg	0	143,793	926	0	0	51	4	0
Sardinia	0	29,201	40	0	0	14	2	0
Tonawanda	0	230	0	0	0	5	0	0
Travers	141	0	0	1	0	0	0	0
Wales	0	8,724	192	0	0	3	2	0
West Seneca	0	63,123	0	0	0	17	1	0
Zoar	0	2,422	0	0	0	1	0	0

<b>subtotal</b>	<b>141</b>	<b>1,817,788</b>	<b>13,926</b>	<b>1</b>	<b>0</b>	<b>831</b>	<b>106</b>	<b>0</b>
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**Genesee County**

Akron	0	608	0	0	0	1	0	0
Alden-Lancaster	0	414,913	3,324	0	0	138	3	0
Bergen	0	48,869	0	0	0	3	0	0
Bethany	0	38,559	1,984	0	0	29	0	0
Danley Corners	0	67,583	552	0	0	22	0	0
Huron Creek	0	375,349	2,189	0	0	182	0	0
Indian Falls	0	140,066	830	0	0	95	2	0
Pavilion	0	25,113	150	0	0	18	0	0
Roanoke	0	1,836	0	0	0	2	0	0
Uhley Corners-Caledonia	0	30,685	76	0	0	14	0	0

<b>subtotal</b>	<b>0</b>	<b>1,143,581</b>	<b>9,105</b>	<b>0</b>	<b>0</b>	<b>504</b>	<b>5</b>	<b>0</b>
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**Livingston County**

Avon	0	19,414	40	0	0	13	3	0
Dansville	0	50	0	0	0	7	0	0
Finnegan Hill	0	22,408	20	0	0	10	0	0
Groveland	0	0	0	0	0	2	0	0
Hunt Hollow	0	1,093	0	0	0	4	0	0

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
**1994 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
<b>Livingston County (Cont)</b>								
Leicester	0	18,109	110	0	0	14	4	0
Silver Lake	0	39,138	120	0	0	11	0	0
Sparta	0	0	0	0	0	0	1	0
Uhley Corners-Caledonia	0	113,084	1,300	0	0	84	6	0
<b>subtotal</b>	<b>0</b>	<b>213,296</b>	<b>1,590</b>	<b>0</b>	<b>0</b>	<b>145</b>	<b>14</b>	<b>0</b>
<b>Madison County</b>								
Lebanon	0	29,395	0	0	0	2	0	0
Sangerfield	0	0	0	0	0	0	1	0
Churchville	0	0	0	0	0	0	1	0
<b>subtotal</b>	<b>0</b>	<b>29,395</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>
<b>Niagara County</b>								
Sanborn	0	1,500	0	0	0	1	0	0
<b>subtotal</b>	<b>0</b>	<b>1,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Oneida County</b>								
Sangerfield	0	0	0	0	0	2	0	0
Unnamed	0	0	0	0	0	0	1	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>
<b>Onondaga County</b>								
Baldwinsville	0	0	0	0	0	0	1	0
Cross Lake	0	0	0	0	0	0	1	0
Unnamed	0	0	0	0	0	0	0	1
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>
<b>Ontario County</b>								
Benton Run	0	913	0	0	0	2	1	0
East Bloomfield	0	56,056	18	0	0	12	3	0
Melvin Hill	0	0	0	0	0	0	1	0
Naples	0	150	0	0	0	1	7	0
Vincent	0	0	0	0	0	1	0	0
West Bloomfield	0	7,527	0	0	0	5	0	0
Whetstone Brook	0	0	0	0	0	0	0	1

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
**1994 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
<b>Ontario County (Cont)</b>								
<b>subtotal</b>	<b>0</b>	<b>64,646</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>12</b>	<b>1</b>
<b>Oswego County</b>								
Pulaski	0	1	0	0	0	3	5	0
Unnamed	0	100	0	0	0	2	1	0
<b>subtotal</b>	<b>0</b>	<b>101</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>6</b>	<b>0</b>
<b>Schuyler County</b>								
International Salt-Lpg	0	0	0	0	0	1#	0	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Seneca County</b>								
Fayette-Waterloo	0	758,029	640	0	0	140	0	0
Geneva	0	0	0	0	0	0	1	0
Reeder Creek	0	1,820	0	0	0	1	0	0
Rose Hill	0	200	0	0	0	1	0	0
Seneca Falls	0	2	0	0	0	1	0	0
Whiskey Hill	0	0	0	0	0	1	0	0
<b>subtotal</b>	<b>0</b>	<b>760,051</b>	<b>640</b>	<b>0</b>	<b>0</b>	<b>144</b>	<b>1</b>	<b>0</b>
<b>Steuben County</b>								
Andover	578	0	2,312	4	0	0	0	0
Avoca	0	2,910	0	0	0	2	0	0
Beech Hill-Independence	13,287	6,126	2,612	98	3	2	8	7
Crosby Creek	0	133	28	0	0	1	0	0
Howard	0	2,935	0	0	0	1	0	0
Jasper	0	0	0	0	0	1	0	0
Milwaukee Creek	0	4,535	0	0	0	1	0	0
Northwest Harrison	0	0	0	0	0	1	0	0
Painted Post	0	2,647	387	0	0	2	1	0
Rathbone	0	0	0	0	0	0	1	0
Stone Hill	0	3,607	0	0	0	1	0	0
Thomas Corners	0	40,284	2	0	0	2	0	0
Unnamed	0	1,202	6	0	0	5	6	0
Wyckoff	0	80,443	10	0	0	3	2	0
<b>subtotal</b>	<b>13,865</b>	<b>144,822</b>	<b>5,357</b>	<b>102</b>	<b>3</b>	<b>22</b>	<b>18</b>	<b>7</b>

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
**1994 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
<b>Tioga County</b>								
Cafferty Hill	0	73	0	0	0	1	0	0
Stagecoach	0	2,392,955	519	0	0	11	1	0
<b>subtotal</b>	<b>0</b>	<b>2,393,028</b>	<b>519</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>1</b>	<b>0</b>
<b>Wayne County</b>								
Unnamed	0	0	0	0	0	1	0	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Wyoming County</b>								
Alden-Lancaster	0	23,850	137	0	0	6	0	0
Cascade Brook	0	0	0	0	0	0	8	0
Castile	0	0	0	0	0	0	4	0
Chaffee-Arcade	0	59,473	52	0	0	32	1	0
Cowlesville	0	1,080	0	0	0	1	0	0
Danley Corners	0	188,565	3,070	0	0	83	2	0
Java	0	18,877	0	0	0	24	2	0
Leicester	0	108,676	285	0	0	57	6	0
Pike Corners	0	2,500	0	0	0	1	0	0
Sheldon	0	43,918	881	0	0	34	1	0
Silver Lake	0	26,012	80	0	0	15	1	0
Tozier's Corners	0	10,096	0	0	0	6	0	0
Wyoming	0	2,963	0	0	0	1	1	0
<b>subtotal</b>	<b>0</b>	<b>486,010</b>	<b>4,505</b>	<b>0</b>	<b>0</b>	<b>260</b>	<b>26</b>	<b>0</b>
<b>Yates County</b>								
North Penn Yan	0	11,456	0	0	0	9	3	0
South Penn Yan	0	0	0	0	0	0	2	0
Unnamed	0	0	0	0	0	0	1	0
<b>subtotal</b>	<b>0</b>	<b>11,456</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>6</b>	<b>0</b>
<b>TOTAL</b>	<b>259,555</b>	<b>20,476,046</b>	<b>1,656,199</b>	<b>3,258</b>	<b>1,017</b>	<b>5,884</b>	<b>492</b>	<b>679</b>

\* The above statistics 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 May 18, 1995.

# Stratigraphic Well

*New York State Oil and Gas Drilling and Production and Mineral Resources, 1994*  
**1994 Oil and Gas Production by Field in Each County\***

<b>Field</b>	<b>Oil (BBLs)</b>	<b>Gas (MCF)</b>	<b>Water (BBLs)</b>	<b>Active Oil Wells</b>	<b>Inactive Oil Wells</b>	<b>Active Gas Wells</b>	<b>Inactive Gas Wells</b>	<b>Water Injection Wells</b>
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***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.*

**1994 Oil and Gas Production by Formation in Each County\***

<b>Formation</b>	<b>Oil (BBLs)</b>	<b>Gas (MCF)</b>	<b>Water (BBLs)</b>	<b>Active Oil Wells</b>	<b>Inactive Oil Wells</b>	<b>Active Gas Wells</b>	<b>Inactive Gas Wells</b>	<b>Water Injection Wells</b>
<b>Allegany County</b>								
Clarksville	353	40	100	10	4	0	0	0
Devonian Shale	0	0	0	0	0	0	1	0
Fulmer Valley	24,829	79,927	103,207	302	55	2	0	37
Marcellus	0	0	0	0	0	0	2	0
Medina	0	10	0	0	2	1	3	0
Onondaga	0	0	0	0	0	0	3	0
Oriskany	0	256,565	4,667	0	0	15	5	0
Penny	525	75	7	25	14	2	1	0
Penny & Fulmer Valley	364	290	3	14	0	0	4	0
Richburg	16,419	12,711	131,234	812	531	73	8	278
Scio	477	0	189	74	42	0	0	7
Unknown	0	0	0	0	0	0	1	0
Upper Devonian	36	290	0	1	0	4	1	0
Waugh & Porter	452	1,000	708	7	12	2	0	7
<b>subtotal</b>	<b>43,455</b>	<b>350,908</b>	<b>240,115</b>	<b>1,245</b>	<b>660</b>	<b>99</b>	<b>29</b>	<b>329</b>
<b>Cattaraugus County</b>								
Akron	0	50	0	0	0	2	0	0
Bradford	32,554	3,873	22,013	661	263	31	9	118
Bradford & Chipmunk	0	0	0	0	0	3	0	0
Chipmunk	107,835	22,355	1,235,000	803	63	1	0	223
Medina	692	2,070,779	995	1	0	486	36	0
Onondaga	2,085	163,215	0	1	0	7	1	0
Oriskany	0	26,300	0	0	0	6	1	0
Upper Devonian	909	0	95	5	4	0	0	0
<b>subtotal</b>	<b>144,075</b>	<b>2,286,572</b>	<b>1,258,103</b>	<b>1,471</b>	<b>330</b>	<b>536</b>	<b>47</b>	<b>341</b>
<b>Cayuga County</b>								
Onondaga	0	0	0	0	0	1	0	0
Queenston	0	1,431,670	4,492	0	0	296	1	0
Trenton	0	3,564	0	0	0	2	1	0
<b>subtotal</b>	<b>0</b>	<b>1,435,234</b>	<b>4,492</b>	<b>0</b>	<b>0</b>	<b>299</b>	<b>2</b>	<b>0</b>
<b>Chautauqua County</b>								
Akron	0	0	0	0	0	0	2	0
Devonian Shale	78	121	0	0	0	1	0	0
Glade	22,174	4,369	3,409	390	15	7	1	0
Medina	0	9,150,356	91,901	0	0	2,942	204	0
<b>Chautauqua County (Cont)</b>								

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<b>Formation</b>	<b>Oil (BBLs)</b>	<b>Gas (MCF)</b>	<b>Water (BBLs)</b>	<b>Active Oil Wells</b>	<b>Inactive Oil Wells</b>	<b>Active Gas Wells</b>	<b>Inactive Gas Wells</b>	<b>Water Injection Wells</b>
Onondaga	74	10,369	0	3	0	0	0	0
Onondaga-Bass Island	35,693	159,758	22,519	46	8	32	6	0
Syracuse	0	0	0	0	1	0	0	0
Upper Devonian	0	12,126	0	0	0	3	0	0
Whirlpool	0	556	0	0	0	1	1	0
<b>subtotal</b>	<b>58,019</b>	<b>9,337,655</b>	<b>117,829</b>	<b>439</b>	<b>24</b>	<b>2,987</b>	<b>214</b>	<b>0</b>
<b>Chemung County</b>								
Marcellus	0	3	0	0	0	1	0	0
Oriskany	0	0	0	0	0	2	0	0
<b>subtotal</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>
<b>Erie County</b>								
Akron	0	29,394	15	0	0	23	2	0
Medina	0	1,713,218	13,899	0	0	797	101	0
Onondaga	141	74,948	12	1	0	10	3	0
Oriskany	0	228	0	0	0	1	0	0
<b>subtotal</b>	<b>141</b>	<b>1,817,788</b>	<b>13,926</b>	<b>1</b>	<b>0</b>	<b>831</b>	<b>106</b>	<b>0</b>
<b>Genesee County</b>								
Medina	0	1,143,581	9,105	0	0	504	5	0
<b>subtotal</b>	<b>0</b>	<b>1,143,581</b>	<b>9,105</b>	<b>0</b>	<b>0</b>	<b>504</b>	<b>5</b>	<b>0</b>
<b>Livingston County</b>								
Hamilton	0	0	0	0	0	3	0	0
Marcellus	0	50	0	0	0	3	0	0
Medina	0	213,246	1,590	0	0	139	14	0
<b>subtotal</b>	<b>0</b>	<b>213,296</b>	<b>1,590</b>	<b>0</b>	<b>0</b>	<b>145</b>	<b>14</b>	<b>0</b>
<b>Madison County</b>								
Herkimer	0	0	0	0	0	0	1	0
Herkimer-Oneida	0	29,395	0	0	0	2	0	0
<b>subtotal</b>	<b>0</b>	<b>29,395</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>
<b>Monroe County</b>								
Medina	0	0	0	0	0	0	1	0

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
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Formation	Oil (BBLs)	Gas (MCF)	Water (BBLs)	Active Oil Wells	Inactive Oil Wells	Active Gas Wells	Inactive Gas Wells	Water Injection Wells
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>Niagara County</b>								
Medina	0	1,500	0	0	0	1	0	0
<b>subtotal</b>	<b>0</b>	<b>1,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Oneida County</b>								
Herkimer	0	0	0	0	0	2	1	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>
<b>Onondaga County</b>								
	0	0	0	0	0	0	0	1
Queenston	0	0	0	0	0	0	1	0
Trenton	0	0	0	0	0	0	1	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>
<b>Ontario County</b>								
Marcellus	0	150	0	0	0	1	7	0
Medina	0	64,496	18	0	0	20	5	1
<b>subtotal</b>	<b>0</b>	<b>64,646</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>12</b>	<b>1</b>
<b>Oswego County</b>								
Trenton	0	101	0	0	0	5	6	0
<b>subtotal</b>	<b>0</b>	<b>101</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>6</b>	<b>0</b>
<b>Schuyler County</b>								
Syracuse	0	0	0	0	0	1#	0	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Seneca County</b>								
Clinton	0	17,507	0	0	0	1	0	0
Medina	0	9,459	0	0	0	2	0	0

New York State Oil and Gas Drilling and Production and Mineral Resources, 1994  
**1994 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
Niagara	0	0	0	0	0	0	1	0
Queenston	0	731,265	640	0	0	140	0	0
Rochester Shale	0	1,820	0	0	0	1	0	0
<b>subtotal</b>	<b>0</b>	<b>760,051</b>	<b>640</b>	<b>0</b>	<b>0</b>	<b>144</b>	<b>1</b>	<b>0</b>
<b>Steuben County</b>								
Fulmer Valley	13,287	6,128	2,618	98	3	4	9	7
Marcellus	0	2,910	0	0	0	2	0	0
Onondaga	0	85,578	2	0	0	5	1	0
Oriskany	0	49,006	425	0	0	9	6	0
Penny	504	1,200	2,016	3	0	1	0	0
Penny & Fulmer Valley	74	0	296	1	0	0	0	0
Rhinestreet	0	0	0	0	0	0	1	0
Unknown	0	0	0	0	0	1	0	0
Upper Devonian	0	0	0	0	0	0	1	0
<b>subtotal</b>	<b>13,865</b>	<b>144,822</b>	<b>5,357</b>	<b>102</b>	<b>3</b>	<b>22</b>	<b>18</b>	<b>7</b>
<b>Tioga County</b>								
Marcellus	0	73	0	0	0	1	0	0
Oriskany	0	2,392,955	519	0	0	11	1	0
<b>subtotal</b>	<b>0</b>	<b>2,393,028</b>	<b>519</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>1</b>	<b>0</b>
<b>Wayne County</b>								
Trenton	0	0	0	0	0	1	0	0
<b>subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Wyoming County</b>								
Akron	0	10,096	0	0	0	6	0	0
Devonian Shale	0	2,500	0	0	0	1	0	0
Medina	0	473,414	4,505	0	0	253	17	0
Theresa	0	0	0	0	0	0	8	0
Whirlpool	0	0	0	0	0	0	1	0
<b>subtotal</b>	<b>0</b>	<b>486,010</b>	<b>4,505</b>	<b>0</b>	<b>0</b>	<b>260</b>	<b>26</b>	<b>0</b>
<b>Yates County</b>								
Queenston	0	11,456	0	0	0	9	6	0
<b>subtotal</b>	<b>0</b>	<b>11,456</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>6</b>	<b>0</b>

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**1994 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
<b>TOTAL</b>	<b>259,555</b>	<b>20,476,046</b>	<b>1,656,199</b>	<b>3,258</b>	<b>1,017</b>	<b>5,884</b>	<b>492</b>	<b>679</b>

\* The above statistics 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 May 18, 1995.

# Stratigraphic Well

COMMENTS & OPINIONS

The Division of Mineral Resources is constantly striving to improve its yearly publication, the **New York State Oil and Gas Drilling and Production and Mineral Resources** report. To that end 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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If you wish to Fax your COMMENTS & OPINIONS our number is: 518-457-9298