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*Image: Sunset Rig in Pardon, Texas in the Fort Worth Basin*

# **THE OIL & NATURAL GAS PRODUCING INDUSTRY IN YOUR STATE**

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**The Oil & Natural Gas Producing Industry In Your State** is published each year as the special statistical issue of America's Independent, official magazine of the Independent Petroleum Association of America, (IPAA).

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# THE YEAR IN REVIEW: INTRODUCTION TO 2005 O&G IN YOUR STATE

## 2005: The Year of the Hurricanes

Pete Stark, Ph. D., IHS

### Introduction:

2005 will be indelibly linked with Hurricanes Katrina and Rita, which cut devastating swaths through the Gulf of Mexico during August and September. Katrina's winds and waves breached levees and devastated large parts of New Orleans. Moreover, according to Minerals Management Service (MMS), 75% of the offshore Gulf of Mexico (GOM) platforms and 67% of the pipelines were in the path of the storms. Onshore infrastructure, including some 10 refineries and 22 gas processing plants, also were shut down and sustained damage. As of mid-December 2005, about 15% of the 819 manned platforms remained evacuated. Shut-in oil production remained at 441,394 bbls of oil per day, or about 29% of daily crude recovery in the GOM, while shut-in gas production was 2.312 Bcf per day, 23% of the daily production of gas in the Gulf. Cumulative shut-in oil capacity (from August 26 through December 12) was 101.7 million bbls, about 18.5% of the yearly production in the GOM. Shut-in gas production for the same period was 526.2 billion cu ft, about 14% of the Gulf's yearly gas production.

According to the MMS, the industry experienced no loss of life and there were no significant spills from any offshore well on the Outer Continental Shelf. But there was significant damage to offshore platforms and rigs. At least 108 older "end of life" facilities were destroyed and another 53 platforms suffered significant damage. Offshore rigs were also struck a significant blow by the dual storms. At least 40 offshore rigs suffered damage ranging from minor to total loss.

Following the "oil demand shock" of 2004, the 2005 hurricanes highlighted the vulnerability of U.S. natural gas supplies and substantially elevated anxieties about energy security. Oil and gas prices reflected the increased concerns – especially about the reliability of natural gas supplies. The price of West Texas Intermediate crude, which averaged \$58.60 per barrel during July, 2005 jumped to a daily high of \$66.79 per barrel during the last week of September following Hurricane Rita. Natural gas prices, though, almost doubled from an average of \$7.43 per Mcf during July to a daily high of \$14.22 per Mcf following Hurricane Rita. Natural gas prices remained above \$11.22 per Mcf until January 2006 when it became clear that the U.S. had sufficient gas in storage to meet demand through the winter heating season.

### Oil Production

U.S. oil production continued to decline, dropping 240,000 b/d to 4,647 Mb/d during 2005 according to IHS data. This volume was generated from 395,960 producing oil wells, which averaged 11.9 b/d. This compares to an average of 12.7 b/d during 2004. 348,621 wells (88% of the total) were classed as marginal producers which yielded 15 b/d or less during the year. Marginal wells accounted for almost 21% of U.S. oil production – some 969 Mb/d.

The Federal Offshore Gulf of Mexico (GOM) led U.S. oil production, totaling 449 MMbbl plus 86 MMb condensate during 2005. The impact of the hurricanes was evident with an overall decrease of 68 MMb of GOM liquids production compared to 2004. Crude oil imports rose by almost 533 Mb/d during 2005 to help cover the curtailed offshore production. Texas ranked number two with 348 MMbbl plus 43 MMb condensate and was followed by Alaska with 314 MMbbl plus 1 MMb condensate and by California with 239 MMbbl plus 176 Mb condensate. These four areas accounted for 1,402 MMb of total liquids production, almost 75% of the U.S. total. California was unique with almost 96% of the total liquids attributed to heavy oil having 20° or less API gravity. The hot Bakken shale play in the Williston Basin accounted for the most significant oil production increases with 8.2 MMbbl added in Montana and 4.2 MMbbl added in North Dakota.

### Natural Gas Production

U.S. lower-48 states' wellhead gas production also declined by about 127 Bcf to 19.39 Tcf according to IHS data. Much of the decline was attributed to GOM production curtailments from the hurricanes which contributed to the total annual offshore decrease of 198 Bcf. The 343,911 producing gas

wells averaged 135.3 Mcfd. Per well average gas production was impacted by curtailments of high volume offshore GOM gas wells and by increasing numbers of low volume coalbed methane (CBM) wells. During the year, 36,415 CBM wells produced 1,674 Bcf at an average of 12.6 Mcfd per well. The number of overall marginal gas wells – those producing 90 Mcfd or less – increased by 7% to 243,465 wells (71% of the total producing gas wells) but generated only 2,254 Bcf or 12% of the reported gas volume.

From 2000 through 2005 the Gulf Coast region gas production decreased by almost 8 Bcfd. Most of this volume was offset by gains from expanding onshore unconventional gas plays. This is reflected in the end-2005 year to year changes in annual gas production for the seven leading states / areas. Texas was the leading gas producing state with 5,320 Bcf during 2005, a gain of 247 Bcf over 2004. The Barnett shale at the Newark East Field contributed at least 300 MMcf/d or 109.5 Bcf to Texas gas production. In the process, Newark East Field production reached 1.17 Bcfd as the leading producing gas field in Texas. Offshore GOM tumbled by 762 MMcf during 2005 but retained second place among U.S. gas producing regions at 2,593 Bcf. Two of the remaining five leading gas producing states, New Mexico at 1,358 Bcf, and Louisiana at 1,219 Bcf combined to lose 62 Bcf during the year. This loss was more than offset, though, by gains of 104.2 Bcf to 1,840 Bcf in Wyoming plus 40 Bcf to 1,487 Bcf in Oklahoma and plus 148 Bcf to 1,211 Bcf in Colorado. Expanding tight sand and other unconventional reservoir plays drove the production gains in these three states.

In spite of the production curtailments in the GOM, U.S. natural gas imports increased only slightly during 2005, by 83 Bcf to 4,431 Bcf. Most of the gas (3,710 bcf) was imported by pipeline from Canada and the balance of 631 Bcf was imported as LNG.

### Drilling Activity

Three factors – higher oil and gas prices, successful drilling and completion technologies in unconventional reservoirs and confidence in a healthy energy market – helped to drive significant increases in U.S. drilling activity. Total well completions increased 13% to 41,696 wells. Gas wells increased 15% to 26,809 wells and oil wells, driven by success in the expanding Bakken shale play in the Williston Basin, increased 17% to 10,882 wells. These numbers were in line with a 16% increase in active rig counts.

Seismic crews also increased by 17% to average 53.5 crews for the year. The increase in seismic crews also relates a 15% increase in wildcat drilling which achieved 66% success from 622 oil discoveries and 1250 gas discoveries. The unusually high wildcat success is a result of the fact that many exploratory wells were drilled to test and expand resource plays where the existence of the reservoir rock is known to extend several miles beyond the nearest producing well.

States with expanding unconventional oil and gas plays enjoyed the largest increases in 2005 drilling activity. Some of the largest percentage increases were recorded in Colorado with the Piceance Basin Mesa Verde tight sands and Denver Julesburg Basin basin infill drilling; North Dakota and Montana with the Bakken shale oil play; Pennsylvania with shallow gas and emerging shale gas; Illinois Basin; and Utah with coalbed methane and Mesa Verde tight sands.

### Concluding Comments

Hurricanes Katrina and Rita drew headlines, heightened anxieties about the security of U.S. oil and gas supplies and helped to push oil and gas prices into record high levels. Drillers responded to high prices and exploited new processes and technologies to boost oil and gas production from unconventional reservoirs. 2005 may have witnessed the end of "cheap oil" but it also confirmed that industry had the know-how and technologies to boost U.S. oil and gas supplies from unconventional reservoirs.

\*Please note that certain IHS production data herein may differ from EIA data included in the state's section of the Oil and Gas Producing Industry in Your State due to different sources and methodology.

## New Look for Our Publication

The Independent Petroleum Association (IPAA) Statistics Department would like to take this opportunity to recognize our continued collaboration with IHS in this issue of the Oil and Gas Producing Industry In Your State. In an effort to enhance the data quality and broaden our sources, IPAA welcomes the wide-ranging and professional input provided by IHS.

IPAA believes that the enhancement of both state and national data will help make this publication more valuable for those in industry, government, academia or other stakeholder groups. IHS has helped expand data in new areas such as unconventional production (i.e. coalbed methane and heavy oil) in addition to offshore and marginal production capacity. In addition, we have updated reserves data and other information that was one year lagged in previous editions. We look forward to continuing this relationship with IHS in bringing you more high-quality data that may not be publicly available. In the future, we hope to add additional categories that further clarify the role played by the independent producer.

We continue to utilize data from the Energy Information Administration (EIA), the Minerals Management Service (MMS) and from the

individual states. Please note that some of the traditional data sources have been changed to reflect the use of IHS numbers where possible. For the state pages, we have noted where state data was used rather than IHS or EIA data. In the summary pages, we have used both IHS and EIA data. You will note that all data sources are specified in detail on page 109 (Reference Information).

Since the last edition we have added several new data categories including number of operators and permits issued by state. In addition, Bruce Wells of American Oil & Gas Historical Society has contributed state history trivia.

We appreciate the assistance of IHS in improving both the scope and quality of this upstream publication. Please let us know if you have ideas pertaining to other ways we can improve this publication. You can send your comments to Fred Lawrence at IPAA ([flawrence@ipaa.org](mailto:flawrence@ipaa.org)). Thank you for your continued support of one of the industry's most informative publications.

## Methodology

- IHS uses multiple sources of data such as test files (Texas and Louisiana test information is used to allocate production volumes on a well completion level), injection files and plugging reports that is integrated with basic production volume data that is submitted by individual states. As a result production totals may differ from the Energy Information Administration data previously used.
- All Federal Offshore statistics include only those wells in Federal waters. All state well statistics include those offshore wells for each state.
- Deepest Well statistics are based on total depth recorded from state completion reports. The only exceptions are minor occurrences where projected depth from permits have been used as a proxy for Deepest Well statistics.
- Well statistics for oil, gas and dry wells are all classes that were drilled with the intent to find hydrocarbons. Historical well counts do not include any miscellaneous wells ie injection, storage, etc.
- Drilled footage is the actual drilled footage as reported. For sidetracks it is the footage from the whipstock or kickoff point to total depth. For wells deepened it is the footage from the original total depth to the new total depth.
- All state drilling costs are calculated using the API Joint Association cost statistics and the IHS well data statistics ie total wells drilled, footage drilled, etc.
- Marginal wells are defined as oil wells producing 15 or less barrels of oil and 90 or less thousand cubic feet of gas per day (previous editions used stripper wells producing less than 10 bbls of oil and 60 Mcf of gas per day).





The American Oil & Gas Historical Society (AOGHS) believes the fascinating history of the nation's petroleum industry offers a vital context for teaching today's young people. AOGHS, a 501(c)-3 nonprofit organization, is dedicated to preserving the history of U.S. exploration and production by providing advocacy for organizations that preserve that history through exhibition, material preservation – and especially educational programming. AOGHS publishes a quarterly newsletter, the *Petroleum Age*, and hosts an annual Energy Education Conference & Field Trip. The conference brings together education program practitioners – those who teach the teachers. Become an AOGHS member and help us promote state and national energy education programs. To support this effort, please copy and mail this form with your contribution to AOGHS, 1201 15th St., NW, Suite 300, Washington, DC 20005, or fax it to (202) 857-4799. Questions? Call Bruce Wells, Executive Director at (202) 857-4785.

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(205) 349-2861 Fax  
<http://www.ogb.state.al.us>

## Alaska Department of Natural Resources

Division of Oil & Gas  
550 West 7th Ave., Suite 800  
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<http://www.dog.dnr.state.ak.us/oil/index.htm>

## Alaska Oil & Gas Conservation Commission

3001 Porcupine Drive  
Anchorage, AK 99501-3192  
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<http://www.state.ak.us/local/ak-pages/ADMIN/ogc/homeogc.htm>

## Arizona Geological Survey

P.O. Box 40952  
Tucson, AZ 85717  
(502) 770-3500  
<http://arizonageologicalsoc.org>

## Arkansas Oil & Gas Commission

2215 West Hillsboro  
El Dorado, AR 71730  
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## California Department of Conservation

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801 K Street, MS 20-20  
Sacramento, CA 95814  
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(916) 323-0424 Fax  
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## Colorado Oil & Gas Conservation Commission

1120 Lincoln St., Suite 801  
Denver, CO 80203  
(303) 894-2100  
(303) 894-2109 Fax  
<http://oil-gas.state.co.us/>

## Florida Bureau of Geology

Division of Resource Management  
903 West Tennessee Street  
Tallahassee, FL 32304  
(904) 488-4191

## Illinois Department of Natural Resources

Oil and Gas Division  
One Natural Resources Way  
Springfield, IL 62702-1271  
(217) 782-6302  
<http://www.dnr.state.il.us/mines/index.htm>

## Indiana Department of Natural Resources

Oil and Gas Division  
402 W. Washington St., Room 293  
Indianapolis, IN 46204  
(317) 232-4055  
(317) 232-1550 Fax  
<http://www.in.gov/dnr/dnroil/>

## Interstate Oil and Gas Compact Commission

P.O. Box 53127  
Oklahoma City, OK 73152-3127  
(405) 525-3596  
(405) 525-3592 Fax  
<http://www.ioGCC.state.ok.us>

## Kansas Corporation Commission

Finney St. Office Building  
130 South Market, Room 2078  
Wichita, KS 67202-3802  
(316) 337-6211  
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## Kentucky Department of Mines and Minerals

Oil and Gas Division  
1025 Capital Center Dr.  
Frankfurt, KY 40601  
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## Louisiana Department of Natural Resources

P.O. Box 94275/617 North Third Street  
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## Maryland Geological Survey

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## Michigan Geological Survey

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## Mississippi State Oil and Gas Board

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## Missouri Department of Natural Resources

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## Montana Board of Oil and Gas Conservation

2535 St. John's Avenue  
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## Nebraska Oil & Gas Conservation Commission

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## Nevada Department of Minerals

400 West King Street, Suite 106  
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<http://minerals.state.nv.us/>

## New Mexico Energy, Minerals and Natural Resources Department

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## New York State Department of Environmental Conservation

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(518) 402-8060 Fax  
<http://www.dec.state.ny.us/website/dmn/>

## North Dakota Industrial Commission

Oil and Gas Division  
600 East Boulevard Avenue, Dept. 405  
Bismark, ND 58505-0840  
(701) 328-8020  
(701) 328-8022  
<http://www.oilgas.nd.gov>

## Ohio Department of Natural Resources

Division of Mineral Resources Management  
1855 Fountain Square Drive, Bldg. H-2  
Columbus, OH 43224-1362  
(614) 265-6633  
(614) 265-7999 Fax  
<http://www.ohiodnr.com/mineral/index.html>

## Oklahoma Corporation Commission

Oil and Gas Division  
P.O. Box 52000/2101 N. Lincoln Blvd.  
Oklahoma City, OK 73152-2000  
(405) 521-2211  
<http://www.occ.state.ok.us/>

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800 NE Oregon St., #28, Room 965  
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(503) 731-4100  
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<http://www.oregongeology.com/sub/default.htm>

## Pennsylvania Dept. of Environmental Resources

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(605) 773-6035 Fax  
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Nashville, TN 37243  
(615) 532-0445  
<http://www.state.tn.us/environment/>

## Texas Railroad Commission

Office of Information Services - P.O. Drawer 12967  
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**Utah Department of Natural Resources**  
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**Virginia Division of Energy**  
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**West Virginia Office of Oil & Gas**  
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Charleston, WV 25301  
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<http://www.ferc.gov>

**National Petroleum Technology Office**  
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(918) 699-2005 Fax  
<http://www.npto.doe.gov>

**U.S. Department of Energy - Fossil Energy Dept.**  
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<http://www.fe.doe.gov>

**U.S. Dept. of the Interior - MMS**  
Mail Stop 3000, P.O. Box 25165  
Denver, CO 80225  
(303) 231-3230  
<http://www.doi.gov/> & <http://www.mms.gov/>

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Washington, DC 20460  
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Reston, VA 20192  
(703) 648-4000  
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## Oil and Gas Museums

**Arkansas Museum of Natural Resources**  
(870) 863-6113  
<http://www.amnr.org/>

**Arkansas Museum of Natural Science**  
(870) 725-2877  
<http://www.msstate.edu/dept/geosciences>

**Brea Museum and Heritage Center-CA**  
(714) 256-2283  
<http://www.breamuseum.org/>

**California Oil Museum**  
(805) 933-0076  
<http://www.oilmuseum.net/>

**Kern County Museum - CA**  
(661) 852-5000  
<http://www.kcmuseum.org/>

**Olinda Historic Museum and Park - CA**  
(714) 990-7600  
<http://www.ci.brea.ca.us/>

**West Kern County Museum - CA**  
(661) 765-6664  
<http://www.westkern-oilmuseum.org/>

**Denver Museum of Nature & Science - CO**  
(303) 322-7009  
<http://www.dmns.org/main/en/>

**Illinois Oilfield Museum & Resource Center**  
[http://www.theonlyoblong.com/oil\\_field/oblong\\_oilfield.html](http://www.theonlyoblong.com/oil_field/oblong_oilfield.html)

**Museum of Science & Industry, Petroleum Planet -IL**  
(773) 684-1414  
<http://www.msichicago.org/index.html>

**Kansas Oil Museum and Hall of Fame**  
(316) 321-9333  
<http://www.kansasoilmuseum.org/>

**Oil Patch Museum - KS**  
(785) 483-3637  
<http://www.rchs.russellks.net/>

**The Kansas Oil & Gas Hall of Fame Museum**  
(620) 793-5742  
<http://greatbend.com/gbconven/oilgas.htm>

**Louisiana State Oil and Gas Museum**  
(318) 995-6845  
<http://www.sos.louisiana.gov/museums/oil/>

**International Petroleum Museum & Exposition - LA**  
(985) 384-3744  
<http://www.rigmuseum.com/>

**Pioneer Oil Museum - NY**  
(585) 373-6035  
<http://www.pioneer-oil-museum.com/about-us.html>

**Wood County Historical Center & Museum - OH**  
(419) 352-0967  
<http://www.woodcountyhistory.org>

**Anadarko Basin Museum of Natural History - OK**  
(580) 243-0437  
<http://www1.itlnet.net/web/route66/page4.html>

**Bartlesville Area History Museum - OK**  
(918) 337-5336  
<http://www.bartlesvillehistory.com/>

**Healdton Oil Museum-OK**  
(405) 229-0317  
<http://www.brightok.net/chickasaw/ardmore/county/healdoil.html>

**Oklahoma Historical Society**  
(405) 521-2491  
<http://www.okhistory.org/>

**Greater Seminole Area Oil & Historical Museum**  
(405) 382-1500  
<http://www.seminoleoklahoma.com/museum/>

**Drake Well Museum - PA**  
(814) 827-2797  
<http://www.drakewell.org/index.htm>

**The Oil Heritage Region - PA**  
(800) 483-6264, Ext. 18  
<http://www.oilregion.org/>

**Penn-Brad Oil Museum - PA**  
(814) 368-5574  
<http://pennbradoilmuseum.com/>

**Petroleum History Institute - PA**  
<http://www.petroleumhistory.org/>

**East Texas Oil Museum**  
(903) 983-8295  
<http://www.easttexasoilmuseum.com/index.html>

**Houston Museum of Natural Science**  
(713) 639-4629  
<http://www.hmns.org/Index.asp>

**Panhandle-Plains Historical Museum**  
(806) 651-2244  
<http://www.panhandleplains.org/>

**Spindletop - Gladys City Boomtown Museum - TX**  
(409) 835-0823  
<http://spindletop.org/default.htm>

**Texas Energy Museum**  
(409) 833-5100  
<http://www.texasenergymuseum.org/front2.htm>

**Ocean Star Offshore Drilling Rig and Museum - TX**  
(409) 766-STAR  
<http://www.oceanstaroec.com/Default.htm>

**West Virginia Oil & Gas Museum**  
(304) 485-5446  
<http://www.little-mountain.com/oilandgasmuseum/>

# COOPERATING OIL & GAS ASSOCIATIONS

**American Association of Professional Landmen**  
4100 Fossil Creek Blvd.  
Fort Worth, TX 76137-2791  
(817) 847-7700  
(817) 847-7704 Fax  
<http://www.landman.org>

**Association of Energy Service Companies**  
10200 Richmond Avenue  
Houston, TX 77042  
(713) 781-0758  
(713) 781-7542 Fax  
<http://www.aesc.net>

**California Independent Petroleum Association**  
1112 I Street, Suite 350  
Sacramento, CA 95814  
(916) 447-1177  
(916) 447-1144 Fax  
<http://www.cipa.org>

**Colorado Oil & Gas Association**  
1776 Lincoln Street, Suite 1008  
Denver, CO 80203  
(303) 861-0362  
(303) 861-0373 Fax  
<http://www.coga.org>

**Domestic Petroleum Council**  
101 Constitution Ave., NW, Suite 800  
Washington, DC 20001-2133  
(202) 742-4300  
<http://www.dpcusa.org>

**East Texas Producers & Royalty Owners Assoc.**  
P.O. Box 1700  
Kilgore, TX 75663  
(903) 984-8671  
(903) 984-1499 Fax

**Eastern Kansas Oil & Gas Association**  
P.O. Box 355  
Chanute, KS 66720  
(620) 431-1020  
(620) 431-9325 Fax

**Florida Independent Petroleum Producers Association**  
P.O. Box 230  
Pensacola, FL 32591  
(904) 434-6830  
(904) 434-6842 Fax

**Illinois Oil & Gas Association**  
P.O. Box 788  
Mount Vernon, IL 62864  
(618) 242-2857  
(618) 242-3418 Fax  
<http://www.ioga.com>

**Independent Oil & Gas Association of New York**  
5743 Walden Drive  
Lakeview, NY 14085  
(716) 627-4250  
(716) 627-4375 Fax  
<http://iogany.org>

**Independent Oil & Gas Assoc. of Pennsylvania**  
Northridge Office Plaza II  
Wexford, PA 15090-7906  
(724) 933-7306  
(717) 933-7310 Fax

**Independent Oil & Gas Assoc. of West Virginia**  
405 Capitol St., Suite 507  
Charleston, WV 25301  
(304) 344-9867  
(304) 344-5836 Fax  
<http://www.iogawv.com/>

**Independent Oil Producers' Agency**  
1228 N Street, Suite 26  
Sacramento, CA 95814  
(916) 442-7095  
(916) 442-5822 Fax

**Independent Oil Producers Assoc. Tri-State**  
2104 Lincoln Avenue  
Evansville, IN 47714  
(812) 479-9451  
(812) 476-2569 Fax

**Independent Petroleum Assoc. of Mountain States**  
518 17th Street, Suite 620  
Denver, CO 80202  
(303) 623-0987  
(303) 893-0709 Fax  
<http://www.ipams.org>

**Independent Petroleum Assoc. of New Mexico**  
529 West San Francisco St./PO Box 576  
Santa Fe, NM 87504  
(505) 984-0128  
(505) 622-8996 Fax  
<http://www.ipanm.org>

**Indiana Oil & Gas Association**  
Route 1, P.O. Box 197  
Bridgeport, IL 62417  
(618) 943-1010  
(618) 943-5301 Fax

**International Association of Geophysical Contractors**  
2550 N. Loop, W, Suite 104  
Houston, TX 77092  
(713) 957-8080  
(713) 957-0008 Fax  
<http://www.iagc.org>

**Kansas Independent Oil & Gas Association**  
105 S. Broadway, Suite 500  
Wichita, KS 67202-4262  
(316) 263-7297  
(316) 263-3021 Fax  
<http://www.kioga.org>

**Kentucky Oil & Gas Association**  
#1-A Physicians Park  
Frankfort, KY 40601  
(502) 226-1955  
(502) 226-3626 Fax  
<http://kyoilgas.org>

**Liaison Committee of Cooperating Oil & Gas Associations**  
P.O. Box 1143  
Graham, TX 76450  
(940) 549-5261  
(940) 549-4241 Fax

**Louisiana Independent Oil & Gas Association**  
P.O. Box 4069  
Baton Rouge, LA 70821-4069  
(800) 443-1433  
(225) 388-9561 Fax  
<http://www.lioga.com>

**Louisiana Landowners Association**  
P.O. Box 44121  
Baton Rouge, LA 70804-4121  
(504) 927-5619  
(504) 928-7339 Fax  
<http://www.louisiana2000.com/LLA/>

**Michigan Oil & Gas Association**  
124 West Allegan St., Suite 1610  
Lansing, MI 48933  
(517) 487-1092  
(517) 487-0961 Fax  
<http://www.michiganoilandgasassociation.org>

**Mississippi Indep. Producers & Royalty Owners**  
P.O. Box 13393  
Jackson, MS 39236  
(601) 362-0502  
(601) 362-5397 Fax  
<http://www.mipro.ms>

**Montana Petroleum Association**  
601 Euclid Ave., P.O. Box 1186  
Helena, MT 59624-1186  
(406) 442-7582  
(406) 443-7291 Fax  
<http://montanapetroleum.org>

**National Association of Royalty Owners**  
P.O. Box 5779  
Norman, OK 73070-5779  
(405) 573-2972  
<http://www.naro-us.org>

**National Stripper Well Association**  
P.O. Box 18336  
Oklahoma City, OK 73154  
(405) 601-8002

**New Mexico Oil & Gas Association**  
P.O. Box 1864, 500 Don Gaspar  
Santa Fe, NM 87504-1864  
(505) 982-2568  
(505) 982-0811 Fax  
<http://www.nmoga.org>

**New York State Oil Producers Association**  
37 Elm St., P.O. Box 364  
Eldred, PA 16731  
(814) 225-4659

**Northern Alliance of Independent Producers**  
P.O. Box 2422  
Bismarck, ND 58502  
(701) 224-5037  
(701) 224-5038

**Ohio Oil & Gas Association**  
P.O. Box 535/1718 Columbus Rd., SW  
Granville, OH 43023-0535  
(740) 587-0444  
(740) 587-0446 Fax  
<http://www.ooga.org>

**Oklahoma Independent Petroleum Association**  
3555 Northwest 58th St., Suite 400  
Oklahoma City, OK 73112  
(405) 942-2334  
(405) 942-4636 Fax  
<http://www.oipa.com>

**Panhandle Producers & Royalty Owners Assoc.**  
3131 Bell #209  
Amarillo, TX 79106  
(806) 352-5637  
(806) 359-1274 Fax  
<http://www.pproa.org>



# COOPERATING OIL & GAS ASSOCIATIONS

## Pennsylvania Oil & Gas Association

106 Locust Grove Rd./P.O. Box 349  
Bainbridge, PA 17405  
(717) 426-0067  
(717) 426-3010 Fax

## Permian Basin Petroleum Association

P.O. Box 132/415 W. Wall, 1st Floor  
Midland, TX 79701  
(432) 684-6345  
(432) 684-7836 Fax  
<http://www.pbpa.info/>

## Petroleum Association of Wyoming

951 Werner Court, Suite 100  
Casper, WY 82601  
(307) 234-5333  
<http://www.pawyo.org>

## Petroleum Equipment Suppliers Association

9225 Katy Freeway, Suite 310  
Houston, TX 77024  
(713) 932-0168  
(713) 932-0497 Fax  
<http://www.pesa.org/>

## Petroleum Technology Transfer Council

16010 Barkers Point Lane, Suite 220  
Houston, Texas 77079  
(888) THE-PTTC/(281) 921-1720  
(281) 921-1723 Fax  
<http://www.pttc.org>

## Society of Indep. Professional Earth Scientists

4925 Greenville Avenue, Suite 1106  
Dallas, TX 75206  
(214) 363-1780  
(214) 363-8195 Fax  
<http://www.sipes.org>

## Tennessee Oil & Gas Association

750 Old Hickory Blvd., #285  
Brentwood, TN 37027  
(615) 263-1291  
(615) 263-1282 Fax  
<http://www.tennoil.com>

## Texas Alliance of Energy Producers

726 Scott Ave., Ste. 500  
Wichita Falls, TX 76301  
(800) 299-2998  
(940) 723-4132 Fax  
<http://www.texasalliance.org>

## Texas Independent Producers & Royalty Owners Association

515 Congress Avenue, Suite 910  
Austin, TX 78701  
(512) 477-4452  
(512) 476-8070 Fax  
<http://www.tipro.org>

## Virginia Oil & Gas Association

1007 East Watauga Ave.  
Johnson City, TN 37601  
(423) 926-2536  
(423) 378-1723 Fax

## Wyoming Independent Producers Association

P.O. Box 2325  
Gillette, WY 82717-2325  
(307) 686-1081  
(307) 686-0560 Fax  
<http://www.energyconnect.com/wipa>

## Contributing Associations

### Alaska Oil & Gas Association

121 W. Fireweed, Suite 207  
Anchorage, AK 99503  
(907) 272-1481  
(907) 279-8114 Fax  
<http://www.aoga.org>

### American Association of Petroleum Geologists

1444 S. Boulder Ave./P.O. Box 979  
Tulsa, OK 74101  
(800) 364-2274  
(981) 560-2694  
<http://www.aapg.org>

### American Petroleum Institute

1220 L St. NW  
Washington, DC 20005-4070  
(202) 682-8000  
(202) 962-4776 Fax  
<http://www.api.org>

### Canadian Association of Petroleum Producers

Suite 2100, 350 7th Avenue S.W.  
Calgary, Alberta  
Canada T2P 3N9  
(403) 267-1100  
(403) 261-4622 Fax  
<http://www.capp.ca>

### Illinois Petroleum Resources Board

P.O. Box 491  
Mount Vernon, IL 62864  
(618) 242-2861  
(618) 242-3418 Fax

### International Association of Drilling Contractors

P.O. Box 4287/10370 Richmond Ave., Ste. 760  
Houston, TX 77210-4287/77042  
(713) 292-1945  
(713) 292-1946  
<http://www.iadc.org>

### Louisiana Mid-Continent Oil & Gas Association

801 North Blvd.  
Baton Rouge, LA 70802  
(225) 387-3205  
(225) 344-5502 Fax  
<http://www.lmoga.com>

### Mid-Continent Oil & Gas Association

6701 N. Broadway, Suite 300  
Oklahoma City, OK 73116  
(405) 843-5741  
(405) 843-5746 Fax  
<http://www.okmoga.com>

### Nebraska Independent Oil & Gas Association

P.O. Box 427  
Kimball, NE 69145  
(308) 235-2906  
(308) 235-2108 Fax

### North Dakota Petroleum Council

120 N 3rd St., P.O. Box 1395  
Bismarck, ND 58502-1395  
(701) 223-6380  
(701) 222-0006 Fax  
<http://www.ndoil.org>

## Public Lands Advocacy

1410 Grant St., Suite C-307  
Denver, CO 80203  
(303) 860-0212  
(303) 860-0310 Fax  
<http://www.publiclandsadvocacy.org>

## Society of Petroleum Engineers

P.O. Box 833836/222 Palisades Creek Drive  
Richardson, TX 75083  
(800) 456-6863  
(972) 952-9435  
<http://www.spe.org>

## Southeastern Ohio Oil & Gas Association

Rt. 1, Box 55-P  
Marietta, OH 45750  
(740) 374-3203  
(740) 374-2840 Fax  
<http://www.sooga.org>

## Southwest Kansas Royalty Owners Association

209 East 6th, Box 250  
Hugoton, KS 67951  
(620) 544-4333  
(620) 544-2230 Fax  
<http://www.swkroa.com>

## Texas Oil & Gas Association

304 W. 13th St.  
Austin, TX 78701  
(512) 478-6631  
(512) 472-3859 Fax  
<http://www.txoga.org>

## Utah Petroleum Association

533 West 2600 South, Suite 270  
Bountiful, UT 84010  
(801) 295-5399  
(801) 295-5477 Fax  
<http://www.utahpetroleum.org>

## Western States Petroleum Association

1415 L St., Ste. 600  
Sacramento, CA 95814  
(916) 444-9981  
<http://www.wsapa.org>

## West Virginia Oil & Natural Gas Association

P.O. Box 3231  
Charleston, WV 25332-3231  
(304) 343-1609  
<http://www.wvonga.com>

# STATE RANKINGS

<i>Crude Oil Wells Drilled</i>		<i>Natural Gas Wells Drilled</i>		<i>Crude Oil Production</i>		<i>Natural Gas Production</i>	
1	Texas	1	Texas	1	Federal Offshore	1	Texas
2	California	2	Wyoming	2	Texas	2	Federal Offshore
3	Kansas	3	Pennsylvania	3	Alaska	3	New Mexico
4	Pennsylvania	4	Colorado	4	California	4	Wyoming
5	Oklahoma	5	Oklahoma	5	Louisiana	5	Oklahoma
6	New Mexico	6	West Virginia	6	Oklahoma	6	Louisiana
7	Ohio	7	New Mexico	7	New Mexico	7	Colorado
8	Montana	8	Louisiana	8	Wyoming	8	Alaska
9	Utah	9	Kansas	9	North Dakota	9	Kansas
10	North Dakota	10	Kentucky	10	Kansas	10	California
11	Illinois	11	Montana	11	Montana	11	Utah
12	Louisiana	12	Utah	12	Colorado	12	Alabama
13	Wyoming	13	Michigan	13	Mississippi	13	Michigan
14	Federal Offshore	14	Alabama	14	Utah	14	West Virginia
15	Alaska	15	Federal Offshore	15	Illinois	15	Arkansas
16	Kentucky	16	Virginia	16	Alabama	16	Pennsylvania
17	New York	17	Arkansas	17	Arkansas	17	Montana
18	Indiana	18	Mississippi	18	Ohio	18	Kentucky
19	Colorado	19	Ohio	19	Michigan	19	Virginia
20	Mississippi	20	California	20	Pennsylvania	20	Ohio
21	Tennessee	21	Tennessee	21	Florida	21	New York
22	South Dakota	22	New York	22	Kentucky	22	Mississippi
23	Michigan	23	Illinois	23	Nebraska	23	North Dakota
24	West Virginia	24	Indiana	24	Indiana	24	Indiana
25	Arkansas	25	North Dakota	25	West Virginia	25	Florida
26	Alabama	26	Nebraska	26	South Dakota	26	Tennessee
27	Nebraska	27	Alaska	27	Nevada	27	Nebraska
28	Nevada	28	Florida	28	Tennessee	28	South Dakota
29	Missouri			29	New York	29	Oregon
30	Florida			30	Missouri	30	Arizona
31	Arizona			31	Arizona	31	Illinois
32	Virginia			32	Virginia	32	Maryland
33	Iowa					33	Nevada
34	Washington						

Sources: Energy Information Administration for production and IHS for wells drilled



# CRUDE OIL SUMMARY

Year	Production			Imports	Supply		Exports*	Demand		Crude Reserves		Price
	Crude Oil*	NGL*	Total	Total*	Other	Total		Domestic	Total	Proved*	New*	Oil
					(thous. b/d)					Reserves	Reserves	Wellhead
										(mill. bbls.)	(mill. bbls.)	(\$/bbl.)
1959	7,054	879	7,933	1,780	86	9,799	211	9,526	9,737	31,719	3,367	2.90
1960	7,035	929	7,964	1,815	147	9,926	202	9,798	10,000	31,613	2,365	2.88
1961	7,183	991	8,174	1,917	179	10,270	174	9,976	10,150	31,759	2,658	2.89
1962	7,332	1,021	8,353	2,082	175	10,610	168	10,400	10,568	31,389	2,181	2.90
1963	7,542	1,098	8,640	2,123	202	10,965	208	10,743	10,951	30,970	2,174	2.89
1964	7,614	1,155	8,769	2,258	217	11,244	202	11,023	11,225	30,991	2,665	2.88
1965	7,804	1,210	9,014	2,468	220	11,702	187	11,513	11,700	31,352	3,048	2.88
1966	8,295	1,284	9,579	2,573	246	12,398	198	12,085	12,283	31,452	2,964	2.88
1967	8,810	1,409	10,219	2,537	293	13,049	307	12,560	12,867	31,377	2,962	2.92
1968	9,096	1,504	10,600	2,840	347	13,787	231	13,393	13,624	30,707	2,455	2.94
1969	9,238	1,590	10,828	3,166	339	14,333	233	14,137	14,370	29,632	2,120	3.09
1970	9,637	1,660	11,297	3,419	355	15,071	259	14,697	14,956	39,001	2,689	3.18
1971	9,463	1,694	11,157	3,925	438	15,520	224	15,213	15,437	38,063	2,318	3.39
1972	9,441	1,744	11,185	4,741	431	16,357	222	16,367	16,589	36,339	1,558	3.39
1973	9,208	1,738	10,946	6,256	472	17,674	231	17,308	17,539	35,300	2,146	3.89
1974	8,774	1,688	10,462	6,112	478	17,052	221	16,652	16,873	34,250	1,994	6.87
1975	8,375	1,632	10,007	6,056	631	16,694	209	16,322	16,531	32,682	1,318	7.67
1976	8,132	1,604	9,736	7,313	577	17,626	223	17,461	17,684	30,942	1,085	8.19
1977	8,245	1,618	9,863	8,808	531	19,202	243	18,431	18,674	31,780	1,140	8.57
1978	8,707	1,567	10,274	8,364	315	18,953	362	18,847	19,209	31,355	2,583	9.00
1979	8,552	1,583	10,135	8,456	503	19,094	471	18,516	18,987	29,810	1,410	12.64
1980	8,597	1,573	10,170	6,909	616	17,695	544	17,056	17,600	29,805	2,970	21.59
1981	8,572	1,609	10,181	5,995	392	16,568	595	16,058	16,653	29,426	2,570	31.77
1982	8,649	1,550	10,199	5,113	478	15,790	815	15,296	16,111	27,858	1,382	28.52
1983	8,688	1,559	10,247	5,051	503	15,801	739	15,231	15,970	27,735	2,897	26.19
1984	8,879	1,630	10,509	5,437	587	16,533	722	15,726	16,448	28,446	3,748	25.88
1985	8,971	1,609	10,580	5,067	640	16,287	781	15,726	16,507	28,416	3,022	24.09
1986	8,680	1,551	10,231	6,223	764	17,218	785	16,281	17,066	26,889	1,446	12.51
1987	8,349	1,595	9,944	6,678	768	17,390	764	16,665	17,429	27,256	3,240	15.40
1988	8,151	1,625	9,776	7,402	840	18,018	815	17,283	18,098	26,825	2,380	12.58
1989	7,626	1,546	9,172	8,060	853	18,085	859	17,325	18,184	26,501	2,262	15.86
1990	7,335	1,559	8,894	8,017	1,025	17,936	857	16,988	17,845	26,254	2,258	20.03
1991	7,417	1,659	9,076	7,626	1,047	17,749	1,001	16,714	17,715	24,682	940	16.54
1992	7,171	1,697	8,868	7,888	1,114	17,870	949	17,033	17,953	23,745	1,509	15.99
1993	6,847	1,736	8,583	8,620	1,152	18,355	1,003	17,237	18,240	22,957	1,551	14.25
1994	6,662	1,727	8,389	8,996	1,291	18,676	942	17,718	18,660	22,457	1,768	13.19
1995	6,560	1,762	8,322	8,835	1,517	18,674	949	17,725	18,674	22,351	2,107	14.62
1996	6,465	1,830	8,295	9,478	1,516	19,290	981	18,309	19,215	22,017	1,839	18.46
1997	6,452	1,817	8,253	10,162	1,193	19,623	1,003	18,620	19,623	22,546	2,667	17.23
1998	6,252	1,759	8,011	10,708	1,143	19,862	945	18,917	19,862	21,034	479	10.87
1999	5,881	1,850	7,731	10,852	1,876	20,459	940	19,519	20,459	21,765	2,683	15.56
2000	5,822	1,911	7,733	11,459	1,549	20,741	1,040	19,701	20,741	22,045	2,160	26.72
2001	5,801	1,868	7,669	11,871	1,080	20,620	971	19,649	20,620	22,446	2,316	21.84
2002	5,746	1,880	7,626	11,530	1,589	20,745	984	19,761	20,745	22,677	2,106	22.51
2003	5,681	1,719	7,400	12,264	1,397	21,061	1,027	20,034	21,061	21,891	1,091	27.56
2004	5,419	1,809	7,228	13,145	1,406	21,779	1,048	20,731	21,779	21,371	1,299	36.77
2005	5,178	1,717	6,895	13,714	1,358	21,967	1,165	20,802	21,967	21,757	2,119	50.28

Sources: Energy Information Administration\* and IHS

Note: Reserves estimated as of December 31 each year. Imports to Strategic Petroleum Reserve are excluded.

# NATURAL GAS SUMMARY

Year	Production		Extraction	Imports	Supply		Exports	Consumption	Gas Reserves		Price
	Marketed	Dry	Loss	(Bcf)	Other	Total			Proved Reserves	New Reserves	Gas Wellhead (\$/Mcf)
1959	12,046	11,548	498	134	650	12,350	18	11,321	262,597	20,895	.13
1960	12,771	12,228	543	156	701	13,096	11	11,967	263,759	14,253	.14
1961	13,254	12,662	592	219	686	13,578	11	12,489	267,728	17,421	.15
1962	13,877	13,253	624	402	838	14,509	16	13,267	273,766	19,750	.16
1963	14,747	14,077	670	406	899	15,399	17	13,970	276,151	18,418	.16
1964	15,547	14,824	723	443	866	16,153	20	14,814	281,251	20,447	.15
1965	16,040	15,287	753	456	934	16,703	26	15,280	286,469	21,470	.16
1966	17,207	16,468	739	480	1,116	18,089	25	16,452	289,333	20,355	.16
1967	18,171	17,386	785	564	1,052	19,084	82	17,388	292,908	21,956	.16
1968	19,322	18,494	828	652	1,236	20,476	94	18,632	287,350	13,816	.16
1969	20,698	19,831	867	727	1,329	21,938	51	20,056	275,109	8,482	.17
1970	21,921	21,015	906	821	1,388	23,294	70	21,139	290,746	37,598	.17
1971	22,493	21,610	883	935	1,427	24,052	80	21,793	278,806	10,136	.18
1972	22,532	21,624	908	1,019	1,679	24,400	78	22,101	266,085	9,791	.19
1973	22,648	21,731	917	1,033	1,456	24,297	77	22,049	249,950	6,471	.22
1974	21,601	20,713	887	959	1,624	23,373	77	21,223	237,132	8,501	.30
1975	20,109	19,236	872	953	1,687	21,949	73	19,538	228,200	10,786	.45
1976	19,952	19,098	854	964	1,640	21,767	65	19,946	216,026	7,368	.58
1977	20,025	19,163	863	1,011	1,654	21,884	56	19,521	207,413	12,978	.79
1978	19,974	19,122	852	966	1,817	21,958	53	19,627	208,033	19,425	.91
1979	20,471	19,663	808	1,253	1,620	22,592	56	20,241	200,997	12,221	1.18
1980	20,180	19,403	777	985	1,385	21,822	49	19,877	199,021	16,723	1.59
1981	19,956	19,181	775	904	1,499	21,643	59	19,404	201,730	21,446	1.98
1982	18,582	17,820	762	933	1,647	20,452	52	18,001	201,512	17,288	2.46
1983	16,884	16,094	790	918	1,523	18,590	55	16,835	200,247	14,523	2.59
1984	18,304	17,466	838	843	1,894	20,258	55	17,951	197,463	14,409	2.66
1985	17,270	16,454	816	950	2,005	19,464	55	17,281	193,369	11,891	2.51
1986	16,859	16,059	800	750	1,364	18,234	61	16,221	191,586	13,827	1.94
1987	17,433	16,621	812	993	1,484	19,152	54	17,211	187,211	11,739	1.67
1988	17,918	17,103	816	1,294	1,807	20,278	74	18,030	168,024	-2,517	1.69
1989	18,095	17,311	785	1,382	2,917	21,717	107	19,119	167,116	16,075	1.69
1990	18,594	17,810	784	1,532	2,265	21,693	86	19,174	169,346	19,463	1.71
1991	18,532	17,698	835	1,773	2,699	22,299	129	19,562	167,062	14,918	1.64
1992	18,712	17,840	872	2,138	2,805	22,999	216	20,228	165,015	15,376	1.74
1993	18,982	18,095	886	2,350	3,105	23,690	140	20,790	162,415	15,189	2.04
1994	19,710	18,821	889	2,624	2,598	24,205	162	21,247	163,837	19,744	1.85
1995	19,506	18,599	908	2,841	3,333	24,927	154	22,207	165,146	19,275	1.55
1996	19,751	18,854	958	2,937	3,725	25,669	153	22,610	166,474	21,456	2.17
1997	19,866	18,902	964	2,994	3,641	25,694	157	22,737	167,223	19,960	2.32
1998	19,961	19,024	938	3,152	2,975	25,310	159	22,246	164,041	15,538	1.96
1999	19,805	18,832	973	3,585	2,585	25,166	163	22,405	167,406	22,293	2.19
2000	20,198	19,182	1,016	3,782	3,053	26,261	244	23,333	177,427	29,240	3.68
2001	20,570	19,616	954	3,977	2,110	26,076	373	22,239	183,460	25,812	4.00
2002	19,885	18,928	957	4,015	2,734	26,193	516	23,007	186,946	22,839	2.95
2003	19,974	19,099	876	3,996	2,526	26,249	680	22,277	189,044	21,523	4.88
2004	19,517	18,591	927	4,259	2,689	26,393	854	22,389	192,513	22,637	5.46
2005	18,927	18,051	876	4,134	2,621	25,742	729	22,010	213,308	30,330	7.33

Sources: Energy Information Administration

Note: Reserves estimated as of December 31 each year. Imports to Strategic Petroleum Reserve are excluded.

# DRILLING SUMMARY

Year	Seismic Crews		Rotary Rigs		Exploratory Wells		Total Well Completions				Footage	
	Working	Active	New-Field Wildcats	Total Exploratory	Oil Wells	Gas Wells	Dry Wells	Service Holes	Total Wells	Total Drilled (mill. ft.)		
1959	5,097	2,074	7,031	13,191	25,800	5,029	19,265	1,670	51,764	209.2		
1960	4,625	1,750	7,320	11,704	21,186	5,258	17,574	2,733	46,751	190.7		
1961	4,557	1,760	6,909	10,992	21,101	5,664	17,106	3,091	46,962	192.1		
1962	3,915	1,637	6,794	10,797	21,249	5,848	16,682	2,400	46,179	198.6		
1963	3,966	1,500	6,570	10,664	20,288	4,751	16,347	2,267	43,653	184.4		
1964	4,102	1,502	6,623	10,747	20,620	4,855	17,488	2,273	45,236	189.9		
1965	4,247	1,387	6,175	9,466	18,761	4,724	16,025	1,913	41,423	181.5		
1966	3,672	1,273	6,158	10,313	16,447	4,167	15,770	2,152	38,536	165.5		
1967	3,337	1,134	5,260	8,878	15,329	3,659	13,246	1,584	33,818	144.7		
1968	3,268	1,169	5,205	8,879	14,331	3,456	12,812	2,315	32,914	149.3		
1969	3,156	1,194	5,956	9,701	14,368	4,083	13,736	1,866	34,053	161.0		
1970	2,340	1,028	4,829	7,436	13,043	4,031	11,099	1,369	29,542	142.0		
1971	2,655	976	4,636	7,131	11,903	3,983	10,382	1,414	27,682	130.7		
1972	3,016	1,107	5,011	7,551	11,437	5,484	11,013	1,486	29,420	142.5		
1973	2,999	1,195	5,096	7,771	10,251	6,975	10,466	970	28,662	141.9		
1974	3,662	1,471	5,946	8,969	13,644	7,168	12,205	1,398	34,415	153.8		
1975	3,416	1,660	6,234	9,459	16,979	8,169	13,736	1,920	40,804	184.9		
1976	3,140	1,656	5,856	9,317	17,697	9,438	13,805	1,674	42,614	187.3		
1977	3,063	2,001	6,162	10,140	18,700	12,119	15,036	1,453	47,308	215.7		
1978	4,148	2,255	6,731	11,030	19,065	14,405	16,591	1,610	51,671	238.4		
1979	4,400	2,176	6,423	10,735	20,689	15,166	16,035	1,472	53,362	243.7		
1980	4,962	2,910	7,332	12,870	32,120	17,132	20,234	2,076	71,562	311.4		
1981	5,877	3,970	9,151	17,430	42,520	19,742	26,972	2,366	91,600	406.5		
1982	5,676	3,105	7,386	15,882	39,252	18,810	25,827	2,212	86,101	375.4		
1983	4,944	2,229	6,057	13,845	37,396	14,505	23,837	2,047	77,785	316.7		
1984	4,655	2,428	6,528	15,138	44,472	14,962	25,549	2,251	87,234	368.8		
1985	3,494	1,969	5,630	12,208	36,458	12,917	21,431	1,736	75,542	316.8		
1986	2,016	964	3,484	7,156	18,598	8,055	12,362	834	39,849	177.6		
1987	1,561	936	3,515	6,903	16,441	8,114	11,698	890	37,143	163.8		
1988	1,512	936	3,271	6,350	13,508	8,446	10,284	953	33,191	155.2		
1989	1,392	869	2,644	5,251	10,412	9,483	8,468	672	29,035	135.0		
1990	1,493	1,010	2,685	5,074	12,104	10,242	8,359	802	31,417	149.5		
1991	1,251	862	2,195	4,399	11,733	9,020	7,664	1,070	29,487	141.4		
1992	847	721	1,762	3,525	8,821	7,854	6,394	989	24,058	121.3		
1993	952	755	1,683	3,603	9,144	10,285	6,594	716	25,724	138.5		
1994	1,087	775	1,613	3,787	7,704	10,044	5,568	669	23,985	130.6		
1995	1,253	723	1,605	3,402	8,736	8,923	5,425	885	23,969	124.5		
1996	1,307	779	1,676	3,342	9,937	10,118	5,698	791	26,544	138.7		
1997	1,336	943	1,757	3,155	12,028	11,838	6,354	1,017	31,237	165.4		
1998	1,566	827	1,478	2,445	8,389	12,233	5,202	838	26,662	143.6		
1999	1,125	625	1,244	1,842	5,419	12,663	3,930	478	22,490	110.0		
2000	727	918	1,505	2,231	8,860	17,283	4,721	930	31,794	148.9		
2001	717	1,156	1,765	3,018	9,581	21,601	4,667	786	36,635	184.0		
2002	674	830	1,452	2,233	7,222	16,801	3,771	747	28,541	145.0		
2003	481	1,032	1,711	2,484	8,710	20,715	4,011	815	34,251	178.5		
2004	563	1,192	1,951	2,891	9,303	23,377	3,979	1,447	36,777	202.6		
2005	655	1,381	1,936	3,729	10,882	26,809	4,005	1,596	43,292	226.6		

Sources: EIA & IHS, World Oil, Baker-Hughes & American Petroleum Institute.

Notes: Total well completions include exploratory and development wells. API historical data may not match IHS data used for recent decade on state and summary pages.

# UNITED STATES



## Background Information

### States

Number of states	50
With oil and/or gas production	33

### First year of production

Crude oil (Pennsylvania)	1859
Natural gas (Pennsylvania)	1881

### Year and amount of peak production

Crude oil — 3,517,450 thous. bbls.	1970
Natural gas — 22,647,549 MMcf	1973

### Deepest producing well (ft.)

Crude oil (GOM)	23,257
Natural gas (Texas)	26,536

### Year and depth of deepest well drilled (ft.)

2003 (GOM)	31,824
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### Cumulative number of total wells drilled

as of 12/31/05 (excluding service wells)

Oil wells	1,494,095	48%
Gas wells	633,730	20%
Dry holes	977,493	32%
Total	3,105,323	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$) \$1,894,080,002

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	208,756	48,219	256,975	1,248,711
Production	187,089	36,863	223,952	1,047,025

## Value of Oil and Gas

### Average wellhead price

(2005)

Crude oil (\$/bbl.)	\$50.28
Natural gas (\$/Mcf)	\$7.33

### Wellhead value of production

(2005, in thous. \$)

Crude oil	\$ 95,034,530
Natural gas	\$138,750,746
Total	\$233,785,276

### Average natural gas price

(2005, \$/Mcf)

Residential consumers	\$12.70
Commercial consumers	\$11.34
Industrial consumers	\$ 8.56
Electric utilities	\$ 8.47
City Gate	\$ 8.67

### Severance taxes paid

(2005, in thous. \$)

\$7,984,690

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	622	10,260	10,882
Gas	1,857	24,952	26,809
Dry	1,250	2,755	4,005
Total	3,729	37,967	41,696

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	4,553.019	45,344.175	49,897.194
Gas	10,787.288	145,019.47	155,806.758
Dry	7,368.452	13,520.494	20,888.946
Total	22,708.759	203,884.139	226,592.898

(Note: Totals may not add due to rounding.)

New-field wildcats drilled	1,936
Footage (thous. ft.)	12,182.7

Average rotary rigs active	1,381
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Permits	66,719
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### World-wide rank

	Crude Oil	Natural Gas
Wells drilled	1st	1st
Production	3rd	2nd
Reserves (2005)	11th	6th

Number of Operators	16,079
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### Number of producing wells

(12/31/05)

Crude oil	395,183
Natural gas	344,095
Total	739,278

### Average production

Crude oil (thous. b/d)	4,647
Natural gas	47,134
Total	51,781

### Natural gas marketed production

(MMcf) 18,927,095

### Average output per producing well

Crude oil (bbls.)	4,304
Natural gas (Mcf)	50,134

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	2,119	1,025	3,144
Production	1,733	788	2,521
Net annual change	386	237	623
Proved reserves	21,757	8,165	29,922

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	3,019	28,348	30,330
Production	2,432	16,827	18,458
Net annual change	587	11,521	11,872
Proved reserves	28,236	185,072	204,385

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	7,896	45,624,038	12,365,449
Gas	7,708	42,498,452	36,312,146
Dry	10,200	64,841,855	5,309,277

### Marginal oil wells

Producing marginal wells	347,270
Crude oil production in bbls. (thous.)	351,877
Crude oil production b/d (thous.)	964

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	242,571
Natural gas production (MMcf)	2,242,522

### Federal Onshore Mineral Lease Royalties

Oil	\$2,880,044,555
Gas	\$5,150,950,426
Total Royalties	\$10,292,803,109

### Average number of employees

Oil and natural gas extraction	353,739
Refining	68,427
Transportation	14,939
Wholesale	193,895
Retail	866,112
Pipeline construction	39,628
Oilfield machinery	45,293
Total petroleum industry	1,769,276

Source: EIA for production and IHS for wells drilled

# FEDERAL OFFSHORE



## Background Information

### Planning Areas

Number of areas	25
With oil and/or gas production	3

### First year of production

Crude oil	1946
Natural gas	1946

### Year and amount of peak production

Crude oil — 591,589 thous. bbls.	2001
Natural gas — 5,248,041 MMcf	1997

### Deepest producing well (ft.)

Water Depth	7,570
Natural gas	24,709

### Year and depth of deepest well drilled (ft.)

Water depth (2001)	10,011
Well depth (2005)	30,505

### Cumulative number of total wells drilled

as of 12/31/05 (excluding service wells)

Oil wells	20,845	33%
Gas wells	25,128	39%
Dry holes	17,944	28%
Total	63,917	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$) \$258,945,693

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	21,270	4,618	25,888	103,097
Production	14,729	2,622	17,351	60,257

## Value of Oil and Gas

### Average wellhead price

(2005)

Crude oil (\$/bbl.)	\$93.26
Natural gas (\$/Mcf)	\$7.33

### Wellhead value of production

(2005, in thous. \$)

Crude oil	\$24,854,912
Natural gas	\$23,491,961
Total	\$48,346,873

### Federal Reserves

(2005, in thous. \$)

Bonuses	\$865.26
Rents	\$224.01
Royalties	\$6,514.66
Total	\$7,606.77



## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	6	141	147
Gas	19	306	325
Dry	141	103	244
Total	166	550	716

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	46.348	1,480.924	1,527.272
Gas	172.818	3,032.277	3,205.095
Dry	1,823.326	980.646	2,803.972
Total	2,042.492	5,493.847	7,536.339

(Note: Totals may not add due to rounding.)

New-field wildcats drilled	158
Footage (thous. ft.)	1,972.06

Average rotary rigs active	94
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Permits	1368
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### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	14th	15th
Production	1st	2nd
Reserves (2005)	2nd	4th

### Number of producing wells

(12/31/05)

Crude oil	3,631
Natural gas	3,878
Total	7,509

### Average production

Crude oil (thous. b/d)	1,170
NGL (est.)	181
Natural gas (MMcf/day)	1,690

### Natural gas marketed production

(MMcf) 3,132,089

### Average output per producing well

Crude oil (bbls.)	117,644
Natural gas (Mcf)	669,128

### Producing Well Depth

	Oil Wells	Gas Wells
Shelf (wd <1,000ft)	93	306
Deep (wd 1,000-4,999 ft)	46	16
Ultra Deep (wd >5,000 ft)	8	3
Total	147	325

### Number of operators

Producing Oil	113
Producing Natural Gas	120

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	228	98	326
Production	436	123	559
Net annual change	-208	-25	-233
Proved reserves	4,483	696	5,179

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	197	1,310	1,499
Production	654	2,348	2,939
Net annual change	-457	-1,038	-1,440
Proved reserves	5,904	12,348	17,831

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	1,914	19,883,456	2,922,868
Gas	1,817	18,530,159	6,022,302
Dry	2,006	23,049,191	5,624,003

## 2005 Lease Statistics

G&G permits	229
Platform installations	80
Platform removals	107
Platform in place	3,913

### Lease Characteristics

Existing leases	
<200 meters of water	3,138
200-400 meters of water	99
401-900 meters of water	83
>900 meters of water	100

### Oil & natural gas fields

Producing	854
Non-producing	343

### Federal Onshore Mineral Lease Royalties

Oil	\$ 2,286,343,149
Gas	\$3,247,098,868
Total Royalties	\$ 6,325,113,049

### The Kermac No. 16 discovery well

struck oil in the Gulf of Mexico on Nov. 14, 1947 — the first successful well out of sight of land. Brown & Root built the freestanding platform 10 miles from shore for Kerr-McGee Oil Industries and partners Phillips Petroleum and Stanolind.

# ALABAMA



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	67
With oil and/or gas production	21

### First year of production

Crude oil	1944
Natural gas	1904

### Year and amount of peak production

Crude oil — 22,153 thous. bbls.	1980
Natural gas — 378,877 MMcf	1996

### Deepest producing well (ft.)

Crude oil	18,750
Natural gas	21,805

### Year and depth of deepest well drilled (ft.)

1995	24,275
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### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	1,349	10%
Gas wells	7,422	57%
Dry holes	4,539	33%
Total	13,310	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$10,655,375
----------------------------	--------------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	515	406	921	8,279
Production	477	365	842	6,600

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$ 53.26
Natural gas (\$/Mcf)	\$ 9.28

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 418,677
Natural gas	\$ 2,751,780
Total	\$ 3,170,457

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$15.82
Commercial consumers	\$13.65
Industrial consumers	\$ 9.51
Electric utilities	\$ 9.67
City Gate	\$ 8.47

### Severance taxes paid

(2005 in thous. \$)	\$132,300
---------------------	-----------

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	5	14	19
Gas	7	389	396
Dry	15	13	28
Total	27	416	443

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	66.9	152.2	219.1
Gas	21.9	899.8	921.7
Dry	111.1	67.7	178.8
Total	199.9	1,119.7	1,319.6

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	17
--	----

Footage (thous. ft.) 130.3

### Average rotary rigs active

4

### Permits

518

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	26th	14th
Production	16th	12th
Reserves (2005)	18th	12th

### Number of Operators

84

### Number of producing wells

(12/31/05)

Crude oil	557
Natural gas	5,122
Total	5,679

### Average production

Crude oil (thous. b/d)	14
NGL (thous. b/d)	7.3
Natural gas (MMcf/d)	824

### Natural gas marketed production

(MMcf)	296,528
--------	---------

### Average output per producing well

Crude oil (bbls.)	9,331
Natural gas (Mcf)	58,890

### Coalbed Methane (YTD MMcf)

116,789

Oil Wells	1	Gas Wells	4,669
Daily Average (MMcf) / Well			319

### Heavy Oil (YTD BBls, in thous.)

NA

Wells

NA

Av. Bbls per day

NA

Av. Bbls per well/d

NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	7	16	23
Production	5	5	10
Net annual change	2	11	13
Proved reserves	55	61	116

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	2	148	145
Production	5	298	300
Net annual change	-3	-150	-155
Proved reserves	29	3,977	3,965

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	287	3,304,927	62,794
Gas	189	440,285	174,353
Dry	217	1,388,284	38,872

### Marginal oil wells

Producing marginal wells	387
Crude oil production in bbls. (thous.)	809
Crude oil production b/d (thous.)	2

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	3,639
Natural gas production (MMcf)	53,488

### Federal Onshore Mineral Lease Royalties

Oil	\$899,920
Gas	\$1,603,389
Total Royalties	\$2,651,596

### Horizontal Wells Data

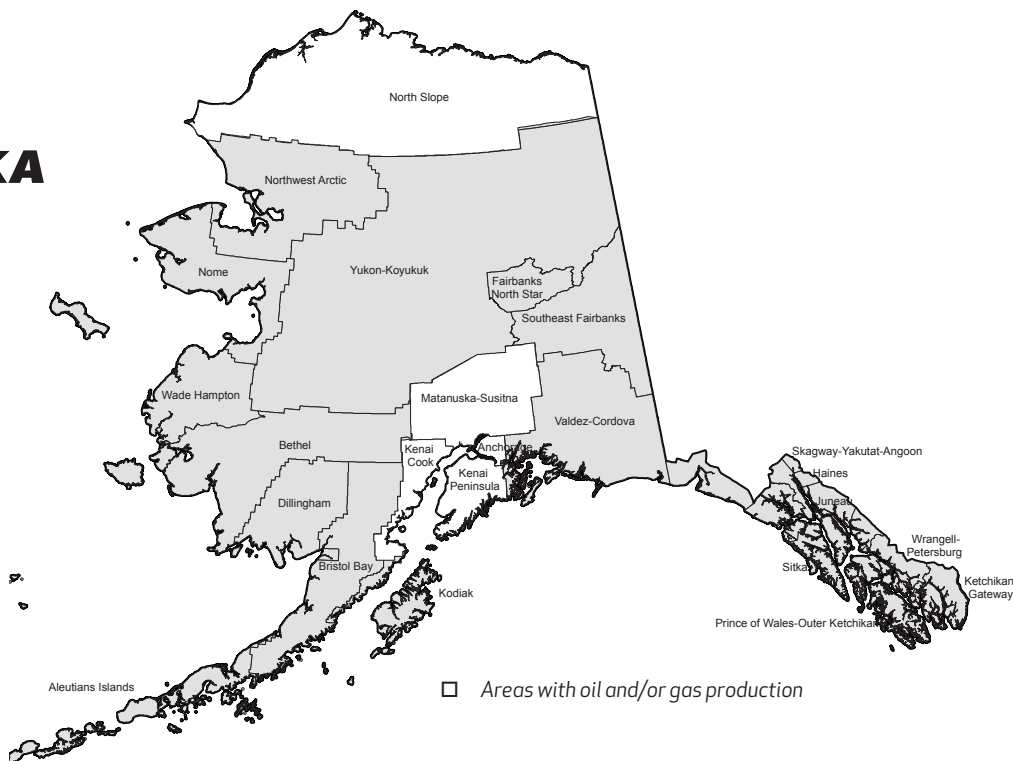
Horizontal Wells Drilled	15
--------------------------	----

### Average number of employees

Oil and natural gas extraction	1,785
Refining	348
Transportation	4,453
Wholesale	3,387
Retail	19,074
Pipeline construction	1,137
Oilfield machinery	0
Total petroleum industry	29,638

**Hunt Oil company drilled** the A.R. Jackson Well No. 1 near Gilbertown in January 1944. The well found commercial quantities of oil at a depth of 2,580 feet. The State Oil and Gas Board of Alabama was formed the following year.

# ALASKA



## Background Information

### Areas

Number of areas	15
With oil and/or gas production	8

### First year of production

Crude oil	1905
Natural gas	1945

### Year and amount of peak production

Crude oil — 738,143 thous. bbls.	1988
Natural gas — 555,402 MMcf	1994

### Deepest producing well (ft.)

Crude oil	21,980
Natural gas	17,318

### Year and depth of deepest well drilled (ft.)

2007	25,040
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	4,422	78%
Gas wells	291	5%
Dry holes	974	17%
Total	5,687	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$226,343,228
----------------------------	---------------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	19,992	510	20,502	20,348
Production	15,412	354	15,766	11,325

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$ 47.21
Natural gas (\$/Mcf)	\$ 4.75

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$14,890,978
Natural gas	\$ 2,314,590
Total	\$17,205,568

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$5.73
Commercial consumers	\$4.93
Industrial consumers	\$2.59
Electric utilities	\$3.42
City Gate	\$3.74

### Severance taxes paid

(2005, in thous. \$)	\$ 1,060,066
----------------------	--------------

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	--	142	142
Gas	6	11	17
Dry	12	2	14
Total	18	155	173

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	--	874.4	874.3
Gas	22.4	91.5	113.9
Dry	104.8	16.1	121.0
Total	127.2	982.0	1,109.2

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

Footage (thous. ft.)	14
	111.3

### Average rotary rigs active

9

### Permits

237

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	15th	27th
Production	3rd	8th
Reserves (2005)	3rd	8th

### Number of Operators

8

### Number of producing wells

(12/31/05)

Natural gas	184
Total	2,689

### Average production

Crude oil (thous. b/d)	858
NGL (thous. b/d)	3.8
Natural gas (MMcf/day)	597

### Natural gas marketed production

(MMcf)

487,282

### Average output per producing well

Crude oil (bbls.)	125,367
Natural gas (Mcf)	1,186,584

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBls, in thous.)

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	156	0	156
Production	312	17	329
Net annual change	-156	-17	-173
Proved reserves	4,171	352	4,523

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	151	84	233
Production	258	213	469
Net annual change	-107	-129	-236
Proved reserves	6,632	1,875	8,171

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	1,834	11,292,769	1,603,573
Gas	1,692	11,335,514	192,704
Dry	2,129	18,400,830	257,612

### Marginal oil wells

Producing marginal wells	144
Crude oil production in bbls. (thous.)	193
Crude oil production b/d (thous.)	1

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	0
Natural gas production (MMcf)	0

### Federal Onshore Mineral Lease Royalties

Oil	\$ 1,811,082
Gas	\$13,306,070
Total Royalties	\$82,509,564

### Horizontal Wells Data

Horizontal Wells Drilled	115
--------------------------	-----

### Average number of employees

Oil and natural gas extraction	8,967
Refining	ND
Transportation	580
Wholesale	1,334
Retail	1,820
Pipeline construction	358
Oilfield machinery	0
Total petroleum industry	13,100

*Discovery of Alaska's first commercial oilfield* took place near Katella in 1902. The

Trans-Alaska pipeline was completed in 1977

Source: EIA for production and IHS for wells drilled

# ARIZONA



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	15
With oil and/or gas production	1

### First year of production

Crude oil	1958
Natural gas	1955

### Year and amount of peak production

Crude oil — 3,370 thous. bbls.	1968
Natural gas — 3,161 MMcf	1966

### Deepest producing well (ft.)

Crude oil	6,793
Natural gas	5,992

### Year and depth of deepest well drilled (ft.)

1981	18,013
------	--------

### Cumulative number of total wells drilled

as of 12/31/05 (excluding service wells)

Oil wells	71	6%
Gas wells	52	5%
Dry holes	984	89%
Total	1,107	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$) \$70,801,805

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	NA	NA	NA	NA
Production	NA	NA	NA	NA

## Value of Oil and Gas

### Average wellhead price\*

(2005)

Crude oil (\$/bbl.)	\$52.09
Natural gas (\$/Mcf)	\$ 6.85

### Wellhead value of production

(2005, in thous. \$)

Crude oil	\$ 2,605
Natural gas	\$ 1,596
Total	\$ 4,203

### Average natural gas price

(2005, \$/Mcf)

Residential consumers	\$13.54
Commercial consumers	\$ 9.85
Industrial consumers	\$ 8.53
Electric utilities	\$ 8.24
City Gate	\$ 7.32

### Severance taxes paid

(2005, in thous. \$) \$ 10,022



## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	4	NA	4
Total	4	NA	4

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	8.0	NA	8.0
Total	8.0	NA	8.0

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	4
--	---

Footage (thous. ft.)	8.0
----------------------	-----

### Average rotary rigs active

0

### Permits

9

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	31st	NA
Production	31st	29th
Reserves (2005)	NA	NA

### Number of Operators

2

### Number of producing wells

(12/31/05)

Crude oil	23
Natural gas	4
Total	27

### Average production

Crude oil (thous. b/d)	0
NGL (thous. b/d)	0
Natural gas (MMcf/day)	0

### Natural gas marketed production

(MMcf)	233
--------	-----

### Average output per producing well

Crude oil (bbls.)	2,097
Natural gas (Mcf)	38,618

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBls, in thous.)

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	186	371,869	1,487

### Marginal oil wells

Producing marginal wells	22
Crude oil production in bbls. (thous.)	37
Crude oil production b/d (thous.)	0

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	2
Natural gas production (MMcf)	30

### Federal Onshore Mineral Lease Royalties

Oil	\$	422,480
Gas	\$	28,639
Total Royalties	\$	50,148,058

### Average number of employees

Oil and natural gas extraction	236
Refining	ND
Transportation	1,231
Wholesale	2,052
Retail	16,602
Pipeline construction	783
Oilfield machinery	0
Total petroleum industry	20,380

**In 1902, Joseph Heslet drilled** northern Arizona's first oil well near Paulden oil seeps. Although it was a dry hole, prospectors and speculators swarmed in. By 1918, no commercial oil deposits were found, and the boom was over.

# ARKANSAS



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	75
With oil and/or gas production	25

### First year of production

Crude oil	1921
Natural gas	1889

### Year and amount of peak production

Crude oil — 77,398 thous. bbls.	1925
Natural gas — 224,446 MMcf	1996

### Deepest producing well (ft.)

Crude oil	11,804
Natural gas	11,804

### Year and depth of deepest well drilled (ft.)

1992	20,661
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	14,220	40%
Gas wells	6,409	19%
Dry holes	14,539	41%
Total	35,268	100%

### Cumulative crude oil wellhead value as of 12/31/05 (thous. \$)

\$10,726,869

### Cumulative production & new reserves as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	1,824	93	1,917	9,814
Production	1,750	89	1,839	7,570

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$50.86
Natural gas (\$/Mcf)	\$ 7.26

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 322,656
Natural gas	\$1,383,270
Total	\$1,705,926

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$13.65
Commercial consumers	\$10.20
Industrial consumers	\$ 9.44
Electric utilities	\$ 8.59
City Gate	\$ 8.83

### Severance taxes paid (2005, in thous. \$)

\$15,078

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	2	18	20
Gas	23	254	277
Dry	10	27	37
Total	35	299	334

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	11.0	103.8	114.8
Gas	109.8	1,520.4	1,630.3
Dry	77.1	138.5	215.6
Total	198.0	1,762.7	1,960.8

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

Footage (thous. ft.)	13
	76.6

### Average rotary rigs active

9

### Permits

565

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	25th	17th
Production	17th	15th
Reserves (2005)	20th	18th

### Number of Operators

316

### Number of producing wells

(12/31/05)

Crude oil	2,138
Natural gas	4,298
Total	6,436

### Average production

Crude oil (thous. b/d)	15
NGL (thous. b/d)	0.0
Natural gas (MMcf/day)	499

### Natural gas marketed production

(MMcf)

190,533

### Average output per producing well

Crude oil (bbls.)	2,520
Natural gas (Mcf)	42,450

### Coalbed Methane (YTD MMcf)

2,394

Oil Wells	0	Gas Wells	41
Daily Average (MMcf) / Well	7		

### Heavy Oil (YTD BBls, in thous.)

NA

Wells

NA

Av. Bbls per day

NA

Av. Bbls per well/d

NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	7	0	7
Production	6	0	6
Net annual change	1	0	1
Proved reserves	51	3	54

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	9	295	303
Production	3	171	174
Net annual change	6	124	129
Proved reserves	46	1,921	1,964

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	163	933,103	18,662
Gas	132	775,026	214,682
Dry	123	714,474	26,436

### Marginal oil wells

Producing marginal wells	1,925
Crude oil production in bbls. (thous.)	3,046
Crude oil production b/d (thous.)	8

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	2,750
Natural gas production (MMcf)	36,326

### Federal Onshore Mineral Lease Royalties

Oil	(\$ 220)
Gas	\$ 6,040,160
Total Royalties	\$19,704,799

### Horizontal Wells Data

Horizontal Wells Drilled	15
--------------------------	----

### Average number of employees

Oil and natural gas extraction	2,264
Refining	442
Transportation	2,240
Wholesale	2,225
Retail	12,832
Pipeline construction	466
Oilfield machinery	0
Total petroleum industry	20,003

*The Busey-Armstrong No. 1 well* came in on Jan. 10, 1921, and quickly catapulted the population of El Dorado from 4,000 to 25,000. H. L. Hunt arrived with a borrowed \$50 and joined lease traders and speculators at the Garrett Hotel — where fortunes were made and lost.

# CALIFORNIA



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	58
With oil and/or gas production	28

### First year of production

Crude oil	1861
Natural gas	1889

### Year and amount of peak production

Crude oil — 423,877 thous. bbls.	1985
Natural gas — 714,893 MMcf	1968

### Deepest producing well (ft.)

Crude oil	14,570
Natural gas	12,576

### Year and depth of deepest well drilled (ft.)

1993	24,426
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	142,765	79%
Gas wells	5,969	3%
Dry holes	33,149	18%
Total	181,883	100%

### Cumulative crude oil wellhead value as of 12/31/05 (thous. \$)

\$198,660,089

### Cumulative production & new reserves as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	30,853	1,547	32,400	46,400
Production	24,386	1,380	25,766	36,238

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$ 47.08
Natural gas (\$/Mcf)	\$ 7.45

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 11,113,988
Natural gas	\$ 2,366,396
Total	\$13,480,384

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$11.85
Commercial consumers	\$10.69
Industrial consumers	\$9.84
Electric utilities	\$8.08
City Gate	\$7.88

### Severance taxes paid (2005, in thous. \$)

\$268,796

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	6	2,077	2,083
Gas	14	103	117
Dry	42	54	96
Total	62	2,234	2,296

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	39.5	5,023.0	5,062.6
Gas	72.5	612.3	684.8
Dry	268.1	228.1	496.2
Total	380.2	5,863.4	6,243.6

(Note: Totals may not add due to rounding.)

New-field wildcats drilled	30
Footage (thous. ft.)	197

Average rotary rigs active	27
----------------------------	----

Permits	3,564
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### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	2nd	20th
Production	4th	10th
Reserves (2005)	4th	13th

Number of Operators	410
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### Number of producing wells

(12/31/05)

Crude oil	48,239
Natural gas	1,579
Total	49,818

### Average production

Crude oil (thous. b/d)	625
NGL (thous. b/d)	0.5
Natural gas (MMcf/day)	224

### Natural gas marketed production

(MMcf)

317,637

### Average output per producing well

Crude oil (bbls.)	4,743
Natural gas (Mcf)	51,901

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

Heavy Oil (YTD BBls, in thous.)	219,455
Wells	43,694
Av. Bbls per day	600
Av. Bbls per well/d	5,023

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	289	26	315
Production	230	11	241
Net annual change	59	15	74
Proved reserves	3,435	137	3,572

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	775	117	862
Production	196	85	268
Net annual change	579	32	594
Proved reserves	2,585	799	3,228

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	302	733,234	1,527,326
Gas	270	1,577,436	184,560
Dry	317	1,637,130	157,164

### Marginal oil wells

Producing marginal wells	34,338
Crude oil production in bbls. (thous.)	66,663
Crude oil production b/d (thous.)	183

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	765
Natural gas production (MMcf)	9,566

### Federal Onshore Mineral Lease Royalties

Oil	\$26,863,092
Gas	\$ 4,099,769
Total Royalties	\$44,028,199

### Horizontal Wells Data

Horizontal Wells Drilled	128
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### Average number of employees

Oil and natural gas extraction	16,202
Refining	12,442
Transportation	40,714
Wholesale	4,902
Retail	54,368
Pipeline construction	1,028
Oilfield machinery	1,679
Total petroleum industry	131,099

*In the early 1860s*, Josiah Stanford dug about 30 tunnels into Sulphur Mountain near Santa Paula, slanting them upwards so oil would flow down to the entrances. Stanford's tunnels produced more oil in California than any other production method of the day.

# COLORADO



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	63
With oil and/or gas production	37

### First year of production

Crude oil	1887
Natural gas	1893

### Year and amount of peak production

Crude oil — 58,516 thous. bbls.	1956
Natural gas — 1,133,086 MMcf	2005

### Deepest producing well (ft.)

Crude oil	12,704
Natural gas	17,654

### Year and depth of deepest well drilled (ft.)

1987	22,092
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	13,465	19%
Gas wells	31,191	46%
Dry holes	25,296	35%
Total	69,952	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$21,287,722
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### Cumulative production & new reserves

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	2,158	988	3,146	32,677
Production	1,932	491	2,423	15,320

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$55.34
Natural gas (\$/Mcf)	\$ 7.43

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 1,263,025
Natural gas	\$ 8,418,829
Total	\$ 9,681,854

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$10.29
Commercial consumers	\$ 9.38
Industrial consumers	\$ 8.68
Electric utilities	\$ 7.41
City Gate	\$ 6.10

### Severance taxes paid

(2005, in thous. \$)	\$ 134,050
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## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	7	45	52
Gas	156	2,384	2,540
Dry	41	77	118
Total	204	2,506	2,710

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	28.8	287.1	315.9
Gas	888.8	13,128.1	14,016.9
Dry	168.6	355.6	524.2
Total	1086.2	13,770.8	14,857.0

(Note: Totals may not add due to rounding.)

New-field wildcats drilled	136
Footage (thous. ft.)	683.1

Average rotary rigs active	74
----------------------------	----

Permits	4,645
---------	-------

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	19th	4th
Production	12th	7th
Reserves (2004)	13th	6th

Number of Operators	349
---------------------	-----

### Number of producing wells

(12/31/05)

Crude oil	5,088
Natural gas	25,570
Total	30,658

### Average production

Crude oil (thous. b/d)	32
NGL (thous. b/d)	31.1
Natural gas (MMcf/day)	3,062

### Natural gas marketed production

(MMcf)

1,133,086

### Average output per producing well

Crude oil (bbls.)	2,312
Natural gas (Mcf)	43,825

### Coalbed Methane (YTD MMcf)

Oil Wells	8	Gas Wells	3,694
Daily Average (MMcf) / Well			1,423

### Heavy Oil (YTD Bbls, in thous.)

Wells	23
Av. Bbls per day	0
Av. Bbls per well/d	1,152

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	44	50	94
Production	19	31	50
Net annual change	25	19	44
Proved reserves	250	484	734

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	124	2,888	2,957
Production	91	1,048	1,104
Net annual change	33	1,840	1,853
Proved reserves	1,326	15,796	16,596

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	165	1,003,725	52,194
Gas	208	1,145,882	2,910,540
Dry	162	719,705	84,925

### Marginal oil wells

Producing marginal wells	4,334
Crude oil production in bbls. (thous.)	4,028
Crude oil production b/d (thous.)	11

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	18,525
Natural gas production (MMcf)	219,087

### Federal Onshore Mineral Lease Royalties

Oil	\$ 22,874,831
Gas	\$ 289,251,917
Total Royalties	\$390,707,086

### Horizontal Wells Data

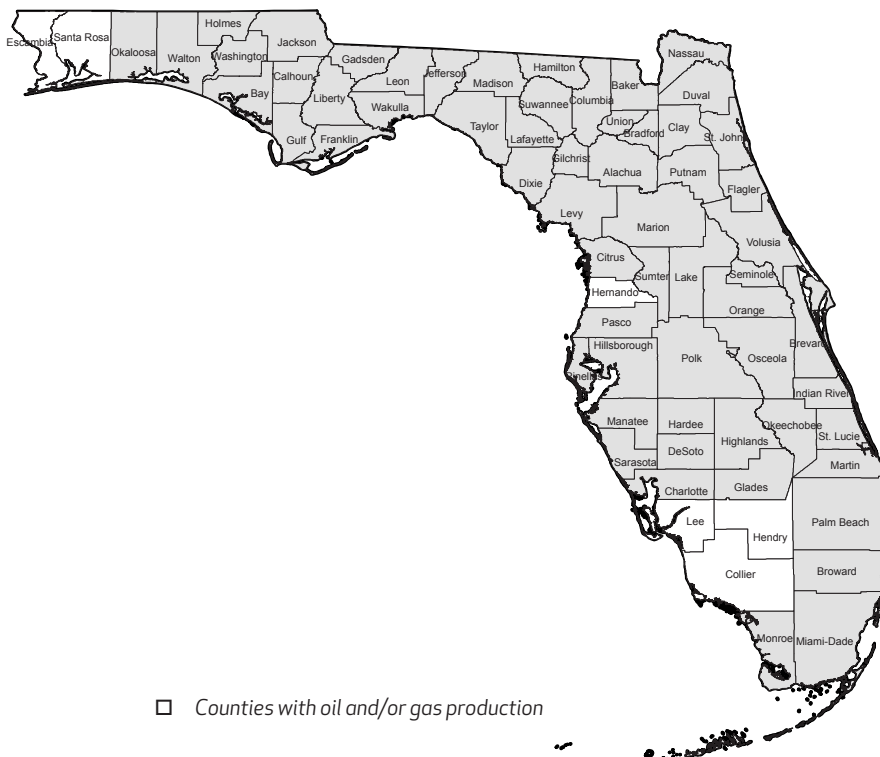
Horizontal Wells Drilled	21
--------------------------	----

### Average number of employees

Oil and natural gas extraction	12,222
Refining	554
Transportation	4,598
Wholesale	2,084
Retail	12,736
Pipeline construction	2,478
Oilfield machinery	117
Total petroleum industry	32,378

*On a coal lease near Florence*, in 1881, Alexander Cassidy drilled for water but hit oil instead at 1,445 feet. At the height of the boom, 25 oil companies and three refineries operated out of Florence.

# FLORIDA



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	67
With oil and/or gas production	6

### First year of production

Crude oil	1943
Natural gas	1943

### Year and amount of peak production

Crude oil — 47,536 thous. bbls.	1978
Natural gas — 51,595 MMcf	1978

### Deepest producing well (ft.)

Crude oil	16,656
Natural gas	17,452

### Year and depth of deepest well drilled (ft.)

2002	18,806
------	--------

### Cumulative number of total wells drilled

as of 12/31/05 (excluding service wells)

Oil wells	319	27%
Gas wells	3	0%
Dry holes	889	73%
Total	1,211	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$) \$9,352,458

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	736	87	823	682
Production	676	86	762	594

## Value of Oil and Gas

### Average wellhead price

(2005)

Crude oil (\$/bbl.)	NA
Natural gas (\$/Mcf)	NA

### Wellhead value of production

(2005, in thous. \$)

Crude oil	NA
Natural gas	NA
Total	NA

### Average natural gas price

(2005, \$/Mcf)

Residential consumers	\$20.15
Commercial consumers	\$13.28
Industrial consumers	\$ 9.48
Electric utilities	\$ 8.75
City Gate	\$ 9.30

### Severance taxes paid

(2005, in thous. \$) \$8,278

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	NA	1	1
Dry	2	NA	2
Total	2	1	3

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	NA	15.8	15.8
Dry	25.0	NA	25.0
Total	25.0	15.8	40.8

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

2

### Footage (thous. ft.)

25

### Average rotary rigs active

2

### Permits

0

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	30th	28th
Production	30th	24th
Reserves (2005)	17th	24th

### Number of Operators

5

### Number of producing wells

(12/31/05)

Crude oil	76
Natural gas	0
Total	76

### Average production

Crude oil (thous. b/d)	7
NGL (thous. b/d)	0
Natural gas (MMcf/day)	0

### Natural gas marketed production

(MMcf)

2,616

### Average output per producing well

Crude oil (bbls.)	34,009
Natural gas (Mcf)	0

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBls, in thous.)

NA

### Wells

NA

### Av. Bbls per day

NA

### Av. Bbls per well/d

NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	-3	-5	-8
Production	3	0	3
Net annual change	-6	-5	-11
Proved reserves	59	7	66

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	2	0	1
Production	3	0	2
Net annual change	-1	0	-1
Proved reserves	87	0	77

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	NA	NA	NA
Gas	501	7,910,392	7,910
Dry	665	8,313,989	16,628

### Marginal oil wells

Producing marginal wells	15
Crude oil production in bbls. (thous.)	25
Crude oil production b/d (thous.)	0

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	0
Natural gas production (MMcf)	0

### Federal Onshore Mineral Lease Royalties

Oil	--
Gas	--
Total Royalties	\$827,183

### Horizontal Wells Data

Horizontal Wells Drilled	21
--------------------------	----

### Average number of employees

Oil and natural gas extraction	1,711
Refining	111
Transportation	2,369
Wholesale	6,857
Retail	39,281
Pipeline construction	570
Oilfield machinery	0
Total petroleum industry	50,686

*Florida's first producing well* came in on Sept. 26, 1943. Humble Oil Co. drilled to 11,626 feet with its Sunniland No. 1 well. The site is by the present day Big Cypress Preserve and a 30-minute drive from the resort city of Naples.



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	102
With oil and/or gas production	43

### First year of production

Crude oil	1889
Natural gas	1882

### Year and amount of peak production

Crude oil — 147,647 thous. bbls.	1940
Natural gas — 18,137 MMcf	1944

### Deepest producing well (ft.)

Crude oil	5,405
Natural gas	4,832

### Year and depth of deepest well drilled (ft.)

1976	14,942
------	--------

### Cumulative number of total wells drilled

as of 12/31/05 (excluding service wells)

Oil wells	64,254	55%
Gas wells	1,120	0%
Dry holes	51,365	45%
Total	116,742	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$) \$20,801,479

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	3,591	NA	3,591	NA
Production	3,536	NA	3,536	NA

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$51.20
Natural gas (\$/Mcf)	NA

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$522,598
Natural gas	NA
Total	\$522,598

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$11.62
Commercial consumers	\$11.20
Industrial consumers	\$10.01
Electric utilities	\$8.96
City Gate	\$8.38

### Severance taxes paid (2005, in thous. \$)

--

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	6	178	238
Gas	1	29	61
Dry	38	70	125
Total	45	277	424

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	18.0	572.7	590.7
Gas	.8	55.6	56.4
Dry	97.9	210.8	308.7
Total	116.7	839.1	955.9

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	33
--	----

Footage (thous. ft.) 80.9

### Average rotary rigs active

0

### Permits

753

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	11th	23rd
Production	15th	30th
Reserves (2005)	15th	NA

### Number of Operators

819

### Number of producing wells\*

(12/31/05)

Crude oil	16,426
Natural gas	55
Total	16,481

### Average production

Crude oil (thous. b/d)	24
NGL (thous. b/d)	0.0
Natural gas (MMcf/day)	0

### Natural gas marketed production

(MMcf)

166

### Average output per producing well

Crude oil (bbls.)	0
Natural gas (Mcf)	0

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	90
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBLs, in thous.)

NA

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled  
World Oil for Number of producing wells.

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	13	NA	13
Production	10	NA	10
Net annual change	3	NA	3
Proved reserves	95	NA	95

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	156	388,311	92,418
Gas	503	465,030	28,367
Dry	247	611,263	76,408

### Marginal oil wells

Producing marginal wells	4,964
Crude oil production in bbls. (thous.)	4,249
Crude oil production b/d (thous.)	12

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	0
Natural gas production (MMcf)	0

### Federal Onshore Mineral Lease Royalties

Oil	\$177,467
Gas	--
Total Royalties	\$177,642

### Horizontal Wells Data

Horizontal Wells Drilled	2
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### Average number of employees

Oil and natural gas extraction	2,333
Refining	2,979
Transportation	7,113
Wholesale	5,598
Retail	26,221
Pipeline construction	1,031
Oilfield machinery	19
Total petroleum industry	45,893

*In 1882, drillers found* commercial quantities of natural gas at Litchfield in Montgomery County. Total output from the field by 1902 was only 6,576 barrels, but by 1940, Illinois Basin discoveries ranked Illinois 4th among producing states.

# INDIANA

□ Counties with oil and/or gas production



## Background Information

### Counties

Number of counties	92
With oil and/or gas production	48

### First year of production

Crude oil	1889
Natural gas	1885

### Year and amount of peak production

Crude oil — 12,833 thous. bbls.	1953
Natural gas — 3,401 MMcf	2004

### Deepest producing well (ft.)

Crude oil	8,429
Natural gas	3,355

### Year and depth of deepest well drilled (ft.)

1978	15,032
------	--------

### Cumulative number of total wells drilled

as of 12/31/05 (excluding service wells)

Oil wells	6,274	36%
Gas wells	1,122	6%
Dry holes	10,217	58%
Total	17,613	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$) \$3,447,060

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	555	NA	555	NA
Production	545	NA	545	NA

## Value of Oil and Gas

### Average wellhead price

(2005)

Crude oil (\$/bbl.)	\$51.02
Natural gas (\$/Mcf)	\$ 9.11

### Wellhead value of production

(2005, in thous. \$)

Crude oil	\$ 88,112
Natural gas	\$ 28,560
Total	\$116,672

### Average natural gas price

(2005, \$/Mcf)

Residential consumers	\$12.13
Commercial consumers	\$ 11.12
Industrial consumers	\$10.06
Electric utilities	\$ 8.76
City Gate	\$ 8.83

### Severance taxes paid

(2005, in thous. \$)

\$1,119



## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	3	52	55
Gas	10	37	47
Dry	22	39	128
Total	35	125	163

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	4.8	94.1	98.9
Gas	17.6	39.9	57.6
Dry	34.2	79.9	114.1
Total	56.6	214.0	270.7

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	20
--	----

Footage (thous. ft.) 28.2

### Average rotary rigs active

0

### Permits

244

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	18th	24th
Production	24th	23rd
Reserves (2005)	24th	NA

### Number of Operators

226

### Number of producing wells\*

(12/31/05)

Crude oil	5,375
Natural gas	1,027
Total	6,402

### Average production

Crude oil (thous. b/d)	4
NGL (thous. b/d)	0
Natural gas (MMcf/day)	0

### Natural gas marketed production

(MMcf)

3,135

### Average output per producing well

Crude oil (bbls.)	0
Natural gas (Mcf)	0

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD Bbls, in thous.)

NA

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	7	NA	7
Production	2	NA	2
Net annual change	5	NA	5
Proved reserves	16	NA	16

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	290	520,961	28,653
Gas	448	549,297	25,817
Dry	281	524,721	32,008

### Marginal oil wells

Producing marginal wells	995
Crude oil production in bbls. (thous.)	916
Crude oil production b/d (thous.)	3

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	0
Natural gas production (MMcf)	0

### Federal Onshore Mineral Lease Royalties

Oil	--
Gas	--
Total Royalties	\$479

### Horizontal Wells Data

Horizontal Wells Drilled	15
--------------------------	----

### Average number of employees

Oil and natural gas extraction	325
Refining	ND
Transportation	4,435
Wholesale	3,599
Retail	23,825
Pipeline construction	895
Oilfield machinery	103
Total petroleum industry	32,287

**South of Francesville**, Granville Bates fund natural gas while drilling for oil in 1867. His discovery prompted little excitement at the time, since the commercial potential of natural gas was years in the future..

# KANSAS

Cheyenne	Rawlins	Decatur	Norton	Phillips	Smith	Jewell	Republic	Washington	Marshall	Nemaha	Brown	Doniphan
Sherman	Thomas	Sheridan	Graham	Rooks	Osborne	Mitchell	Cloud	Clay	Pottawatomie	Jackson	Atchison	Leavenworth
Wallace	Logan	Gove	Trego	Ellis	Russell	Lincoln	Ottawa	Dickinson	Geary	Wabaunsee	Shawnee	Douglas
Greeley	Wichita	Scott	Lane	Ness	Rush	Barton	Ellsworth	Saline	Morris	Lyon	Osage	Franklin
Hamilton	Kearny	Finney	Hodgeman	Pawnee	Stafford	Rice	McPherson	Marion	Chase	Coffey	Anderson	Linn
Stanton	Grant	Haskell	Gray	Ford	Kiowa	Pratt	Reno	Harvey	Butler	Greenwood	Woodson	Allen
Morton	Stevens	Seward	Meade	Clark	Comanche	Barber	Harper	Sumner	Cowley	Elk	Montgomery	Cherokee
											Labette	

□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	105
With oil and/or gas production	90

### First year of production

Crude oil	1889
Natural gas	1882

### Year and amount of peak production

Crude oil — 124,204 thous. bbls.	1956
Natural gas — 899,955 MMcf	1970

### Deepest producing well (ft.)

Crude oil	7,400
Natural gas	6,774

### Year and depth of deepest well drilled (ft.)

1984	11,301
------	--------

### Cumulative number of total wells drilled

as of 12/31/05 (excluding service wells)

Oil wells	125,637	44%
Gas wells	31,398	13%
Dry holes	107,824	43%
Total	264,859	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$) \$46,598,762

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	6,401	1,448	7,849	44,582
Production	6,116	1,284	7,400	40,039

## Value of Oil and Gas

### Average wellhead price

(2005)

Crude oil (\$/bbl.)	\$ 53.41
Natural gas (\$/Mcf)	\$ 6.51

### Wellhead value of production

(2005, in thous. \$)

Crude oil	\$ 1,806,486
Natural gas	\$ 2,455,761
Total	\$ 4,262,247

### Average natural gas price

(2005, \$/Mcf)

Residential consumers	\$12.08
Commercial consumers	\$ 11.45
Industrial consumers	\$ 7.71
Electric utilities	\$ 7.78
City Gate	\$ 9.08

### Severance taxes paid

(2005, in thous. \$)

\$148,855

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	121	685	806
Gas	64	787	851
Dry	231	395	626
Total	416	1,867	2,283

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	482.6	1,964.4	2,447.0
Gas	240.5	1,771.1	2,011.6
Dry	933.3	1,456.8	2,390.1
Total	1,656.4	5,192.3	6,848.7

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

227

### Footage (thous. ft.)

912.2

### Average rotary rigs active

7

### Permits

3,790

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	3rd	9th
Production	10th	9th
Reserves (2005)	11th	10th

### Number of Operators

2,136

### Number of producing wells

(12/31/05)

Crude oil	40,024
Natural gas	18,417
Total	58,441

### Average production

Crude oil (thous. b/d)	93
NGL (thous. b/d)	0
Natural gas (MMcf/day)	1,055

### Natural gas marketed production

(MMcf)

377,229

### Average output per producing well

Crude oil (bbls.)	847
Natural gas (Mcf)	20,963

### Coalbed Methane (YTD MMcf)

15,265

Oil Wells	1	Gas Wells	1,284
Daily Average (MMcf) / Well			42

### Heavy Oil (YTD BBls, in thous.)

NA

### Wells

NA

### Av. Bbls per day

NA

### Av. Bbls per well/d

NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	69	-27	42
Production	33	20	53
Net annual change	36	-47	-11
Proved reserves	281	224	505

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	12	-12	42
Production	9	396	380
Net annual change	3	-408	-338
Proved reserves	83	4,515	4,314

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	79	239,892	193,353
Gas	135	319,685	272,052
Dry	55	208,684	130,636

### Marginal oil wells

Producing marginal wells	39,250
Crude oil production in bbls. (thous.)	24,541
Crude oil production b/d (thous.)	67

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	15,038
Natural gas production (MMcf)	222,426

### Federal Onshore Mineral Lease Royalties

Oil	\$ 877,357
Gas	\$ 6,351,583
Total Royalties	\$ 7,215,422

### Horizontal Wells Data

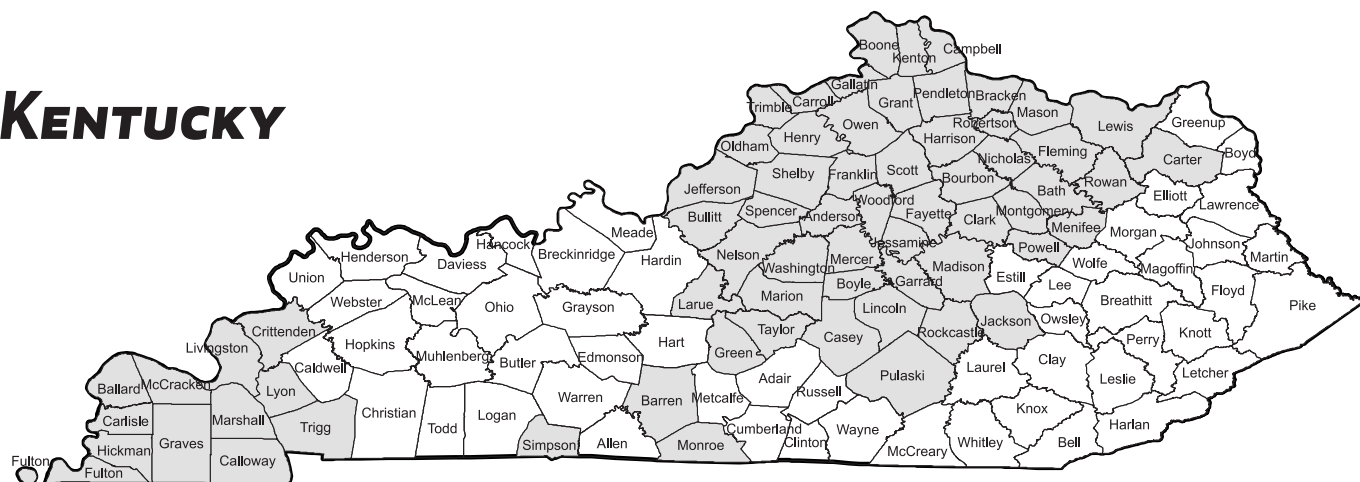
Horizontal Wells Drilled	1
--------------------------	---

### Average number of employees

Oil and natural gas extraction	6,575
Refining	1,377
Transportation	4,103
Wholesale	2,154
Retail	10,539
Pipeline construction	1,016
Oilfield machinery	51
Total petroleum industry	25,035

**Norman No. 1 came in** on Nov. 28, 1892 — the first oil well west of the Mississippi River to produce a commercial quantity. It was also the first well drilled in the vast Mid-Continent oil field that covers parts of Kansas, Nebraska, Oklahoma, Arkansas, Louisiana and Texas.

# KENTUCKY



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	120
With oil and/or gas production	51

### First year of production

Crude oil	1860
Natural gas	1888

### Year and amount of peak production

Crude oil — 27,272 thous. bbls.	1959
Natural gas — 96,459 MMcf	1947

### Deepest producing well (ft.)

Crude oil	8,546
Natural gas	10,934

### Year and depth of deepest well drilled (ft.)

2000	24,591
------	--------

### Cumulative number of total wells drilled

as of 12/31/05 (excluding service wells)

Oil wells	17,974	30%
Gas wells	14,768	24%
Dry holes	28,096	46%
Total	60,838	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$) \$17,418,841

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	765	234	999	7,187
Production	756	152	908	5,211

## Value of Oil and Gas

### Average wellhead price

(2005)

Crude oil (\$/bbl.)	\$49.45
Natural gas (\$/Mcf)	\$ 6.84

### Wellhead value of production

(2005, in thous. \$)

Crude oil	\$ 125,356
Natural gas	\$ 634,718
Total	\$ 760,074

### Average natural gas price

(2005, \$/Mcf)

Residential consumers	\$13.09
Commercial consumers	\$ 12.27
Industrial consumers	\$ 9.90
Electric utilities	NA
City Gate	\$ 9.69

### Severance taxes paid

(2005, in thous. \$) \$28,630

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	7	112	119
Gas	222	434	656
Dry	40	134	174
Total	269	680	949

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	16.6	177.3	193.9
Gas	730.5	1,363.6	2,094.1
Dry	65.6	188.4	254.0
Total	812.8	1,729.3	2,542.1

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	124
--	-----

Footage (thous. ft.) 429.5

### Average rotary rigs active

5

### Permits

1,758

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	16th	10th
Production	22nd	18th
Reserves (2005)	21st	16th

### Number of Operators

569

### Number of producing wells

(12/31/05)

Crude oil*	18,000
Natural gas	11,754
Total*	29,754

### Average production

Crude oil (thous. b/d)	3
NGL (thous. b/d)	0
Natural gas (MMcf/day)	2.17

### Natural gas marketed production

(MMcf)

92,795

### Average output per producing well

Crude oil (bbls.)	0
Natural gas (Mcf)	6,757

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD Bbls, in thous.)

NA

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	-2	1	-1
Production	2	3	5
Net annual change	-4	-2	-6
Proved reserves	23	70	93

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	12	335	356
Production	1	88	85
Net annual change	11	247	271
Proved reserves	30	2,210	2,151

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	136	221,225	26,326
Gas	90	286,570	187,990
Dry	301	440,039	76,567

### Marginal oil wells

Producing marginal wells	947
Crude oil production in bbls. (thous.)	677
Crude oil production b/d (thous.)	2

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	11,616
Natural gas production (MMcf)	73,076

### Federal Onshore Mineral Lease Royalties

Oil	\$ 4,339
Gas	\$ 112,368
Total Royalties	\$ 163,321

### Horizontal Wells Data

Horizontal Wells Drilled	5
--------------------------	---

### Average number of employees

Oil and natural gas extraction	2,014
Refining	ND
Transportation	2,543
Wholesale	3,177
Retail	19,382
Pipeline construction	713
Oilfield machinery	0
Total petroleum industry	28,016

**Boring for salt water** near Burkesville in March 1829, drillers hit an oil gusher. Oil from this well was sold as patent medicine for decades before kerosene distillation created the petroleum industry.

# LOUISIANA



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	64
With oil and/or gas production	60

### First year of production

Crude oil	1902
Natural gas	1905

### Year and amount of peak production

Crude oil — 935,243 thous. bbls.	1971
Natural gas — 8,242,423 MMcf	1973

### Deepest producing well (ft.)

Crude oil	22,856
Natural gas	21,862

### Year and depth of deepest well drilled (ft.)

1981	25,703
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	99,459	40%
Gas wells	66,334	26%
Dry holes	84,498	34%
Total	250,291	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$255,650,757
----------------------------	---------------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	27,701	4,969	32,670	265,965
Production	18,601	3,246	21,847	145,044

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$54.05
Natural gas (\$/Mcf)	\$ 8.72

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 4,079,856
Natural gas	\$ 11,301,539
Total	\$15,381,395

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$13.26
Commercial consumers	\$ 11.41
Industrial consumers	\$ 9.11
Electric utilities	\$ 9.14
City Gate	\$ 8.56

### Severance taxes paid

(2005, in thous. \$)	\$ 714,728
----------------------	------------

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	2	205	207
Gas	25	939	964
Dry	43	237	280
Total	70	1,381	1,451

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	8.9	1,085.9	1,094.8
Gas	195.5	9,410.8	9,606.3
Dry	344.4	2,078.8	2,423.2
Total	548.8	12,575.5	13,124.4

(Note: Totals may not add due to rounding.)

New-field wildcats drilled	59
Footage (thous. ft.)	479.9

Average rotary rigs active	182
----------------------------	-----

Permits	2,415
---------	-------

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	12th	8th
Production	5th	6th
Reserves (2005)	8th	7th

Number of Operators	977
---------------------	-----

### Number of producing wells

(12/31/05)

Crude oil	17,463
Natural gas	9,385
Total	26,848

### Average production

Crude oil (thous. b/d)	139
NGL (thous. b/d)	65.0
Natural gas (MMcf/day)	3,332

### Natural gas marketed production

(MMcf)

1,296,048

### Average output per producing well

Crude oil (bbls.)	2,911
Natural gas (Mcf)	129,929

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBLs, in thous.)

Wells	11,031
Av. Bbls per day	64
Av. Bbls per well/d	2,104

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	60	81	141
Production	55	52	107
Net annual change	5	29	34
Proved reserves	432	292	724

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	106	2,023	2,065
Production	75	1,167	1,206
Net annual change	31	856	859
Proved reserves	588	10,091	10,447

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	447	2,363,720	489,290
Gas	335	3,336,117	3,216,016
Dry	641	5,551,517	1,554,425

### Marginal oil wells

Producing marginal wells	15,288
Crude oil production in bbls. (thous.)	10,029
Crude oil production b/d (thous.)	27

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	4,646
Natural gas production (MMcf)	43,650

### Federal Onshore Mineral Lease Royalties

Oil	\$ 2,826,477
Gas	\$28,499,956
Total Royalties	\$ 32,755,629

### Horizontal Wells Data

Horizontal Wells Drilled	15
--------------------------	----

### Average number of employees

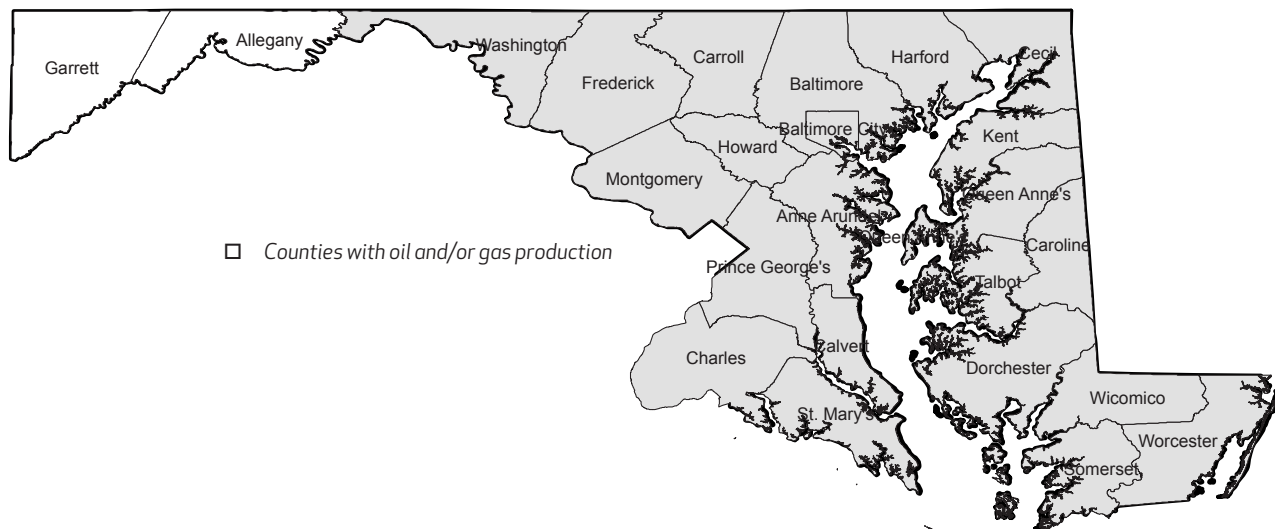
Oil and natural gas extraction	41,528
Refining	9,131
Transportation	16,733
Wholesale	1,426
Retail	17,944
Pipeline construction	13,058
Oilfield machinery	0
Total petroleum industry	87,667

*In September 1901*, Louisiana's oil industry began when the Heywood well came in near the communities of Evangeline and Jennings.

Source: EIA for production and IHS for wells drilled



# MARYLAND



## Background Information

### Counties

Number of counties	23
With oil and/or gas production	2

### First year of production

Crude oil	--
Natural gas	1950

### Year and amount of peak production

Crude oil —	--
Natural gas —4,543 MMcf	1959

### Deepest producing well (ft.)

Crude oil	10,376
Natural gas	8,658

### Year and depth of deepest well drilled (ft.)

1973	11,617
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	NA	NA
Gas wells	71	49%
Dry holes	75	51%
Total	146	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	NA
----------------------------	----

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	0	NA	NA	NA
Production	0	NA	NA	NA

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	NA
Natural gas (\$/Mcf)	\$7.43

### Wellhead value of production (2005, in thous. \$)

Crude oil	NA
Natural gas	\$ 342
Total	\$ 342

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$14.80
Commercial consumers	\$ 11.97
Industrial consumers	\$ 12.17
Electric utilities	\$10.36
City Gate	\$ 9.99

### Severance taxes paid

(2005, in thous. \$)	\$3
----------------------	-----

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	NA	NA	NA
Total	NA	NA	NA

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	NA	NA	NA
Total	NA	NA	NA

### New-field wildcats drilled

Footage (thous. ft.)	NA
----------------------	----

Average rotary rigs active	0
----------------------------	---

Permits	0
---------	---

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	NA	NA
Production	NA	31st
Reserves (2005)	NA	NA

Number of Operators	--
---------------------	----

### Number of producing wells

(12/31/05)

Crude oil	NA
Natural gas	6
Total	6

### Average production

Crude oil (thous. b/d)	NA
NGL (thous. b/d)	NA
Natural gas (MMcf/day)	NA

### Natural gas marketed production

(MMcf)	46
--------	----

### Average output per producing well

Crude oil (bbls.)	0
Natural gas (Mcf)	7,667

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBls, in thous.)

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	NA	NA	NA

### Marginal oil wells

Producing marginal wells	NA
Crude oil production in bbls. (thous.)	NA
Crude oil production b/d (thous.)	NA

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	0
Natural gas production (MMcf)	0

### Federal Onshore Mineral Lease Royalties

Oil	--
Gas	--
Total Royalties	\$11,047

### Average number of employees

Oil and natural gas extraction	277
Refining	ND
Transportation	1,475
Wholesale	3,410
Retail	10,816
Pipeline construction	738
Oilfield machinery	0
Total petroleum industry	15,978

### For more information please contact:

Information Services Department  
Independent Petroleum Association of America  
1201 15th St., N.W., Suite 300  
Washington, D.C. 20005  
T: 202-857-4722 • FAX: 202-857-4799

□ Counties with oil and/or gas production

The map displays the following counties in gray, indicating oil and/or gas production:

- Keweenaw
- Houghton
- Ontonagon
- Gogebic
- Baraga
- Iron
- Marquette
- Alcona
- Alpena
- Delta
- Schoolcraft
- Luce
- Chippewa
- Mackinac
- Emmet
- Cheboygan
- Presque Isle
- Charlevoix
- Leelanau
- Antrim
- Otsego
- Montmorency
- Alcona
- Kalkaska
- Crawford
- Oscoda
- Alcona
- Grand Traverse
- Wexford
- Missaukee
- Ogemaw
- Iosco
- Manistee
- Roscommon
- Arenac
- Huron
- Mason
- Lake
- Osceola
- Clare
- Gladwin
- Bay
- Ocean
- Newaygo
- Mecosta
- Isabella
- Midland
- Tuscola
- Sanilac
- Muskegon
- Montcalm
- Gratiot
- Saginaw
- Genesee
- Lapeer
- St. Clair
- Ottawa
- Kent
- Ionia
- Clinton
- Shiawassee
- Allegan
- Barry
- Eaton
- Ingham
- Livingston
- Oakland
- Macomb
- Van Buren
- Kalamazoo
- Calhoun
- Jackson
- Washtenaw
- Wayne
- Monroe
- Lenawee
- Hillsdale
- Branch
- Cass
- St. Joseph
- Berrien

## Background Information

Number of counties	83
With oil and/or gas production	55

Crude oil	1900
Natural gas	1909

Crude oil — 34,862 thous. bbls.	1979
Natural gas — 311,616 MMcf	1997

Crude oil	10,515
Natural gas	13,513

1975	17,466
------	--------

## as of 12/31/05 (excluding service wells)

Oil wells	15,218	28%
Gas wells	13,079	24%
Dry holes	26,550	48%
Total	54,847	100%

as of 12/31/05 (thous. \$) \$14,488,872

## as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	1,283	286	1,569	9,060
Production	1,232	232	1,464	5,363

(2005)

Crude oil (\$/bbl.)	\$53.67
Natural gas (\$Mcf)	\$ 5.30

## (2005, in thous. \$)

Crude oil	\$ 297,815
Natural gas	\$1,383,894
Total	\$1,681,709

## (2005, \$/Mcf)

Residential consumers	\$10.55
Commercial consumers	\$ 9.38
Industrial consumers	\$ 8.63
Electric utilities	\$ 5.60
City Gate	\$ 8.44

## (2005, in thous. \$)

Severance taxes paid	\$66,749
(2005, in thous. \$)	

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	NA	31	31
Gas	5	429	434
Dry	18	45	63
Total	23	505	528

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	NA	162.3	162.3
Gas	28.5	661.5	690.1
Dry	86.9	157.1	244.1
Total	115.5	980.9	1,096.5

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	17
--	----

### Footage (thous. ft.)

85.4

### Average rotary rigs active

3

### Permits

918

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	23rd	13th
Production	19th	13th
Reserves (2005)	16th	14th

### Number of Operators

175

### Number of producing wells

(12/31/05)

Crude oil	3,887
Natural gas	9,009
Total	12,896

### Average production

Crude oil (thous. b/d)	16
NGL (thous. b/d)	2.0
Natural gas (MMcf/day)	442

### Natural gas marketed production

(MMcf)

261,112

### Average output per producing well

Crude oil (bbls.)	1,478
Natural gas (Mcf)	17,939

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBLs, in thous.)

NA

### Wells

NA

### Av. Bbls per day

NA

### Av. Bbls per well/d

NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	14	-6	8
Production	5	3	65
Net annual change	9	-9	0
Proved reserves	62	39	101

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	-23	45	30
Production	17	198	211
Net annual change	-40	-153	-181
Proved reserves	153	2,808	2,910

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	395	2,070,943	64,199
Gas	439	698,037	302,948
Dry	349	1,353,155	85,249

### Marginal oil wells

Producing marginal wells	3,665
Crude oil production in bbls. (thous.)	3,443
Crude oil production b/d (thous.)	9

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	1,039
Natural gas production (MMcf)	14,376

### Federal Onshore Mineral Lease Royalties

Oil	\$ 133,497
Gas	\$ 1,848,530
Total Royalties	\$ 2,029,564

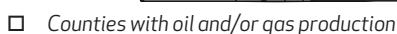
### Horizontal Wells Data

Horizontal Wells Drilled	96
--------------------------	----

### Average number of employees

Oil and natural gas extraction	2,466
Refining	ND
Transportation	5,554
Wholesale	5,197
Retail	25,631
Pipeline construction	1,150
Oilfield machinery	4
Total petroleum industry	39,734

**In 1860, Michigan State** Geologist Alexander Winchell reported that oil and natural gas deposits lay under Michigan's surface. First commercial production began in 1886 near Port Huron. In 1928, Mt. Pleasant's oilfield made it the "Oil Capital of Michigan."



Average wellhead price  
(2005)

Crude oil (\$/bbl.)	\$49.58
Natural gas (\$/Mcf)	\$ 8.54

Crude oil (\$/bbl.)	\$49.58
Natural gas (\$/Mcf)	\$ 8.54

**Wellhead value of production**  
(2005, in thous. \$)

Crude oil	\$ 877,318
Natural gas	\$ 451,962
Total	\$1,329,280

Average natural gas price  
(2005, \$/Mcf)

Residential consumers	\$ 13.31
Commercial consumers	\$12.03
Industrial consumers	\$ 9.14
Electric utilities	\$ 9.41
City Gate	\$ 8.85

Severance taxes paid	\$84,409
(2005, in thous. \$)	

Severance taxes paid	\$84,409
(2005, in thous. \$)	

1986	25.500
------	--------

**Cumulative number of total wells drilled**  
as of 12/31/05 (excluding service wells)

Oil wells	10,538	33%
Gas wells	3,747	12%
Dry holes	17,766	55%
Total	32,051	100%

as of 12/31/05 (thous. \$)	\$19,913,297
----------------------------	--------------

## as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	2,689	128	2,817	9,570
Production	2,525	148	2,673	8,880

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	1	49	50
Gas	7	168	175
Dry	36	38	74
Total	44	255	299

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	18.2	432.4	450.6
Gas	52.2	1,158.1	1,210.3
Dry	275.5	242.5	518.1
Total	345.9	1,833.1	2,179.1

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

Footage (thous. ft.)	33
----------------------	----

### Average rotary rigs active

10

### Permits

533

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	20th	18th
Production	13th	21st
Reserves (2005)	14th	21st

### Number of Operators

218

### Number of producing wells

(12/31/05)

Crude oil	1,647
Natural gas	1,469
Total	3,116

### Average production

Crude oil (thous. b/d)	45
NGL (thous. b/d)	4.1
Natural gas (MMcf/day)	500

### Natural gas marketed production

(MMcf)

52,923

### Average output per producing well

Crude oil (bbls.)	9,959
Natural gas (Mcf)	124,645

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBLs, in thous.)

1,973

### Wells

252

### Av. Bbls per day

5

### Av. Bbls per well/d

7,830

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	29	2	31
Production	18	1	19
Net annual change	11	1	12
Proved reserves	189	7	196

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	3	149	150
Production	3	83	86
Net annual change	0	66	64
Proved reserves	20	738	755

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	320	2,884,462	144,223
Gas	186	1,286,789	225,188
Dry	235	1,643,981	121,655

### Marginal oil wells

Producing marginal wells	883
Crude oil production in bbls. (thous.)	2,121
Crude oil production b/d (thous.)	6

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	932
Natural gas production (MMcf)	13,015

### Federal Onshore Mineral Lease Royalties

Oil	\$ 1,877,376
Gas	\$ 493,700
Total Royalties	\$3,363,558

### Horizontal Wells Data

Horizontal Wells Drilled	2
--------------------------	---

### Average number of employees

Oil and natural gas extraction	3,952
Refining	1,615
Transportation	2,149
Wholesale	2,403
Retail	15,523
Pipeline construction	814
Oilfield machinery	59
Total petroleum industry	26,830

### Near Tinsley and Yazoo City,

Union Producing Co. brought in the No. 1 Woodruff well at 5,500 feet in September of 1939. Within 15-months, there were 133 producing wells. The Tinsley field has yielded 230 million barrels of oil.

# MISSOURI



## Background Information

### Counties

Number of counties	114
With oil and/or gas production	5

### First year of production

Crude oil	1889
Natural gas	1887

### Year and amount of peak production

Crude oil —285 thous. bbls.	1984
Natural gas —1,368 MMcf	1938

### Deepest producing well (ft.)

Crude oil	3,680
Natural gas	765

### Year and depth of deepest well drilled (ft.)

1988	10,089
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	675	32%
Gas wells	78	4%
Dry holes	1,335	64%
Total	2,088	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$100,057
----------------------------	-----------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	NA	NA	NA	NA
Production	7	NA	7	15

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$49.87
Natural gas (\$/Mcf)	NA

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$4,239
Natural gas	NA
Total	\$4,239

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$12.67
Commercial consumers	\$ 11.62
Industrial consumers	\$10.99
Electric utilities	NA
City Gate	\$ 8.67

### Severance taxes paid

(2005, in thous. \$)	--
----------------------	----



## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	NA	NA	NA
Total	NA	NA	NA

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	NA	NA	NA
Total	NA	NA	NA

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

Footage (thous. ft.)	NA
----------------------	----

Average rotary rigs active	0
----------------------------	---

Permits	0
---------	---

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	29th	NA
Production	30th	NA
Reserves (2005)	NA	NA

Number of Operators	--
---------------------	----

### Number of producing wells

(12/31/05)

Crude oil	NA
Natural gas	NA
Total	NA

### Average production

Crude oil (thous. b/d)	NA
NGL (thous. b/d)	NA
Natural gas (MMcf/day)	NA

### Natural gas marketed production

(MMcf)	0
--------	---

### Average output per producing well

Crude oil (bbls.)	NA
Natural gas (Mcf)	NA

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBlS, in thous.)

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	NA	NA	NA

### Marginal oil wells

Producing marginal wells	NA
Crude oil production in bbls. (thous.)	NA
Crude oil production b/d (thous.)	NA

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	0
Natural gas production (MMcf)	0

### Federal Onshore Mineral Lease Royalties

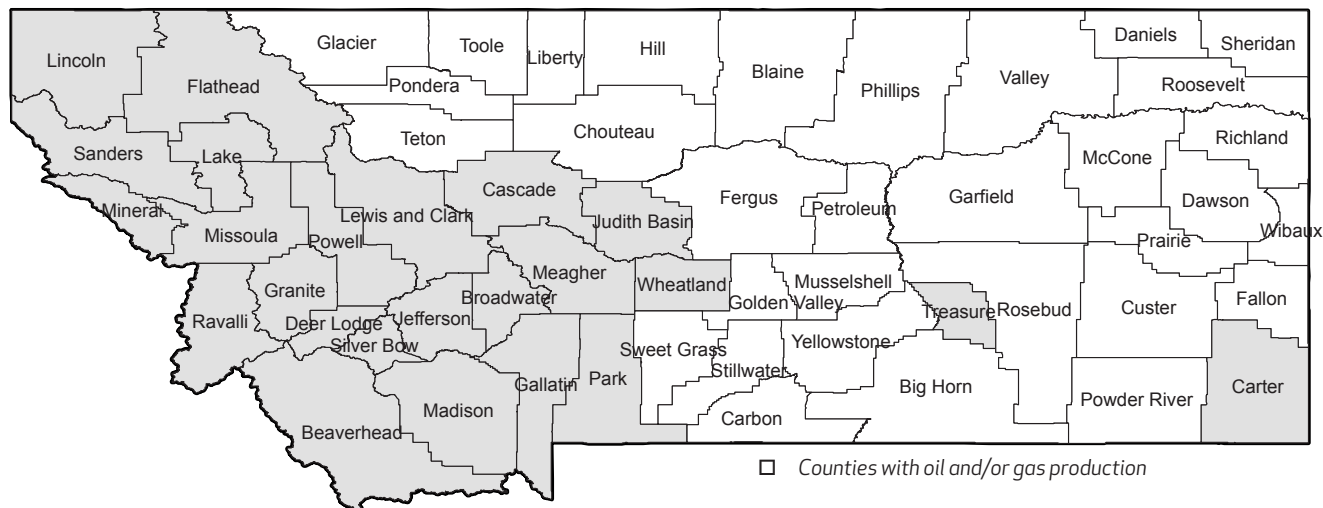
Oil	--
Gas	--
Total Royalties	\$1,275,293

### Average number of employees

Oil and natural gas extraction	78
Refining	ND
Transportation	3,914
Wholesale	4,284
Retail	25,233
Pipeline construction	436
Oilfield machinery	0
Total petroleum industry	33,499

*Oil and natural gas* were discovered in Missouri soon after the Civil War. By the early 1930s, more than 2,500 wells had been drilled.

# MONTANA



## Background Information

### Counties

Number of counties	56
With oil and/or gas production	32

### First year of production

Crude oil	1916
Natural gas	1915

### Year and amount of peak production

Crude oil — 48,460 thous. bbls.	1968
Natural gas — 107,918 MMcf	2005

### Deepest producing well (ft.)

Crude oil	18,016
Natural gas	5,500

### Year and depth of deepest well drilled (ft.)

2007	23,082
------	--------

### Cumulative number of total wells drilled

as of 12/31/05 (excluding service wells)

Oil wells	14,174	35%
Gas wells	9046	23%
Dry holes	17,193	42%
Total	40,413	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$) \$17,644,012

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	1,992	52	2,044	4,275
Production	1,577	44	1,621	3,225

## Value of Oil and Gas

### Average wellhead price

(2005)

Crude oil (\$/bbl.)	\$ 52.66
Natural gas (\$/Mcf)	\$ 6.57

### Wellhead value of production

(2005, in thous. \$)

Crude oil	\$ 1,730,144
Natural gas	\$ 709,021
Total	\$ 2,439,165

### Average natural gas price

(2005, \$/Mcf)

Residential consumers	\$10.70
Commercial consumers	\$10.72
Industrial consumers	\$ 8.22
Electric utilities	NA
City Gate	\$ 7.62

### Severance taxes paid

(2005, in thous. \$) \$180,077

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	160	200	360
Gas	65	450	515
Dry	62	32	94
Total	287	682	969

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	1,803.3	1,854.9	3,658.2
Gas	135.1	642.6	777.7
Dry	201.5	95.1	296.6
Total	2,139.9	2,592.6	4,732.5

(Note: Totals may not add due to rounding.)

New-field wildcats drilled	168
Footage (thous. ft.)	1,064.2

Average rotary rigs active	24
----------------------------	----

Permits	1,564
---------	-------

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	8th	11th
Production	11th	17th
Reserves (2005)	9th	19th

Number of Operators	229
---------------------	-----

### Number of producing wells

(12/31/05)

Crude oil	4,052
Natural gas	5,716
Total	9,768

### Average production

Crude oil (thous. b/d)	89
NGL (thous. b/d)	0.3
Natural gas (MMcf/day)	250

### Natural gas marketed production

(MMcf)

107,918

### Average output per producing well

Crude oil (bbls.)	8,059
Natural gas (Mcf)	16,000

### Coalbed Methane (YTD MMcf)

11,660

Oil Wells	1	Gas Wells	563
Daily Average (MMcf) / Well			32

### Heavy Oil (YTD BBl, in thous.)

194

Wells	80
Av. Bbls per day	1
Av. Bbls per well/d	2,430

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	93	4	97
Production	30	1	31
Net annual change	63	3	66
Proved reserves	427	9	436

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	46	51	91
Production	15	86	100
Net annual change	31	-35	-9
Proved reserves	161	837	986

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	413	4,195,355	1,510,328
Gas	202	304,539	156,837
Dry	474	1,495,283	140,557

### Marginal oil wells

Producing marginal wells	2,853
Crude oil production in bbls. (thous.)	3,508
Crude oil production b/d (thous.)	10

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	4,790
Natural gas production (MMcf)	40,661

### Federal Onshore Mineral Lease Royalties

Oil	\$ 22,254,945
Gas	\$ 18,152,959
Total Royalties	\$ 81,258,819

### Horizontal Wells Data

Horizontal Wells Drilled	341
--------------------------	-----

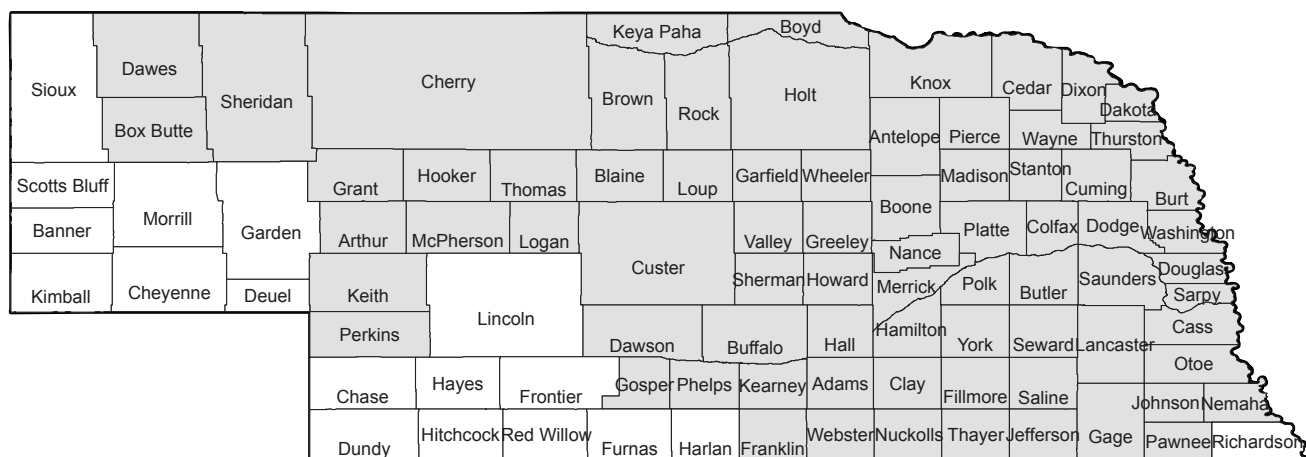
### Average number of employees

Oil and natural gas extraction	2,326
Refining	932
Transportation	1,077
Wholesale	1,004
Retail	5,054
Pipeline construction	371
Oilfield machinery	0
Total petroleum industry	10,393

### Montana's first substantial oil production

began in 1915 from wells drilled in the northern Elk Basin, southeast of Belfry. Over the next 40 years, more oil fields were developed in the Williston Basin, Sweetgrass Arch, Big Snowy Uplift, Powder River Basin, and northern extensions of the Big Horn Basin

# NEBRASKA



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	93
With oil and/or gas production	18

### First year of production

Crude oil	1939
Natural gas	1950

### Year and amount of peak production

Crude oil —24,894 thous. bbls.	1962
Natural gas —15,743 MMcf	1961

### Deepest producing well (ft.)

Crude oil	8,630
Natural gas	5,832

### Year and depth of deepest well drilled (ft.)

1997	13,128
------	--------

### Cumulative number of total wells drilled

as of 12/31/05 (excluding service wells)

Oil wells	6,030	30%
Gas wells	338	2%
Dry holes	13,352	68%
Total	19,720	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$) \$4,236,440

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	514	NA	514	NA
Production	502	NA	502	NA

## Value of Oil and Gas

### Average wellhead price

(2005)

Crude oil (\$/bbl.)	\$52.38
Natural gas (\$/Mcf)	\$ 4.29

### Wellhead value of production

(2005, in thous. \$)

Crude oil	\$126,393
Natural gas	\$ 4,922
Total	\$ 131,315

### Average natural gas price

(2005, \$/Mcf)

Residential consumers	\$10.68
Commercial consumers	\$9.45
Industrial consumers	\$8.38
Electric utilities	\$ 8.16
City Gate	\$ 8.21

### Severance taxes paid

(2005, in thous. \$) \$ 2,926

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	2	13	15
Gas	2	21	23
Dry	25	12	37
Total	29	46	75

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	9.1	51.5	60.7
Gas	6.6	73.9	80.5
Dry	116.8	58.4	175.2
Total	132.5	183.8	316.4

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	18
--	----

Footage (thous. ft.)	83.3
----------------------	------

### Average rotary rigs active

0

### Permits

90

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	NA	26th
Production	23rd	26th
Reserves (2005)	23nd	NA

### Number of Operators

100

### Number of producing wells

(12/31/05)

Crude oil	1,211
Natural gas	115
Total	1,326

### Average production

Crude oil (thous. b/d)	7
NGL (thous. b/d)	0
Natural gas (MMcf/day)	3

### Natural gas marketed production

(MMcf)

1,172

### Average output per producing well

Crude oil (bbls.)	1,986
Natural gas (Mcf)	8,164

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD Bbls, in thous.)

NA

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	3	NA	3
Production	2	NA	2
Net annual change	1	NA	1
Proved reserves	16	NA	16

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	166	671,795	10,077
Gas	104	362,789	8,344
Dry	144	680,820	25,190

### Marginal oil wells

Producing marginal wells	1,157
Crude oil production in bbls. (thous.)	1,711
Crude oil production b/d (thous.)	5

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	101
Natural gas production (MMcf)	700

### Federal Onshore Mineral Lease Royalties

Oil	\$199,954
Gas	--
Total Royalties	\$234,574

### Average number of employees

Oil and natural gas extraction	245
Refining	ND
Transportation	1,852
Wholesale	1,207
Retail	8,967
Pipeline construction	165
Oilfield machinery	0
Total petroleum industry	12,279

*The Nebraska legislature* awarded a \$15,000 bonus to the Pawnee Royalty Co. for the Bucholz Well No. 1, the first oil well in the state to produce at least 50 barrels daily for 60 consecutive days. The well began producing on May 29, 1940.

# NEVADA



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	17
With oil and/or gas production	2

### First year of production

Crude oil	1954
Natural gas	NA

### Year and amount of peak production

Crude oil — 3,230 thous. bbls.	1988
Natural gas —	NA

### Deepest producing well (ft.)

Crude oil	8,694
Natural gas	NA

### Year and depth of deepest well drilled (ft.)

1980	19,562
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	121	14%
Gas wells	2	0%
Dry holes	773	86%
Total	896	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$822,513
----------------------------	-----------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	NA	NA	NA	NA
Production	NA	NA	NA	NA

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$42.68
Natural gas (\$/Mcf)	NA

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$19,078
Natural gas	NA
Total	\$19,078

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$12.46
Commercial consumers	\$10.39
Industrial consumers	\$ 9.82
Electric utilities	\$ 7.46
City Gate	\$ 8.50

### Severance taxes paid (2005, in thous. \$)

\$43
------

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	1	NA	1
Gas	NA	NA	0
Dry	4	NA	4
Total	5	NA	5

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	1.5	NA	1.5
Gas	NA	NA	NA
Dry	12.2	NA	12.2
Total	13.7	NA	13.7

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	5
--	---

### Footage (thous. ft.)

13.7

### Average rotary rigs active

2

### Permits

6

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	28th	NA
Production	27th	32nd
Reserves (2005)	NA	NA

### Number of Operators

6

### Number of producing wells

(12/31/05)

Crude oil	71
Natural gas	0
Total	71

### Average production

Crude oil (thous. b/d)	1
NGL (thous. b/d)	0
Natural gas (MMcf/day)	0

### Natural gas marketed production

(MMcf)

5

### Average output per producing well

Crude oil (bbls.)	6,288
Natural gas (Mcf)	0

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD Bbls, in thous.)

NA

### Wells

NA

### Av. Bbls per day

NA

### Av. Bbls per well/d

NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	250	376,972	377
Gas	NA	NA	NA
Dry	199	607,662	2,431

### Marginal oil wells

Producing marginal wells	45
Crude oil production in bbls. (thous.)	103
Crude oil production b/d (thous.)	0

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	0
Natural gas production (MMcf)	0

### Federal Onshore Mineral Lease Royalties

Oil	\$ 2,070,777
Gas	--
Total Royalties	\$15,403,054

### Average number of employees

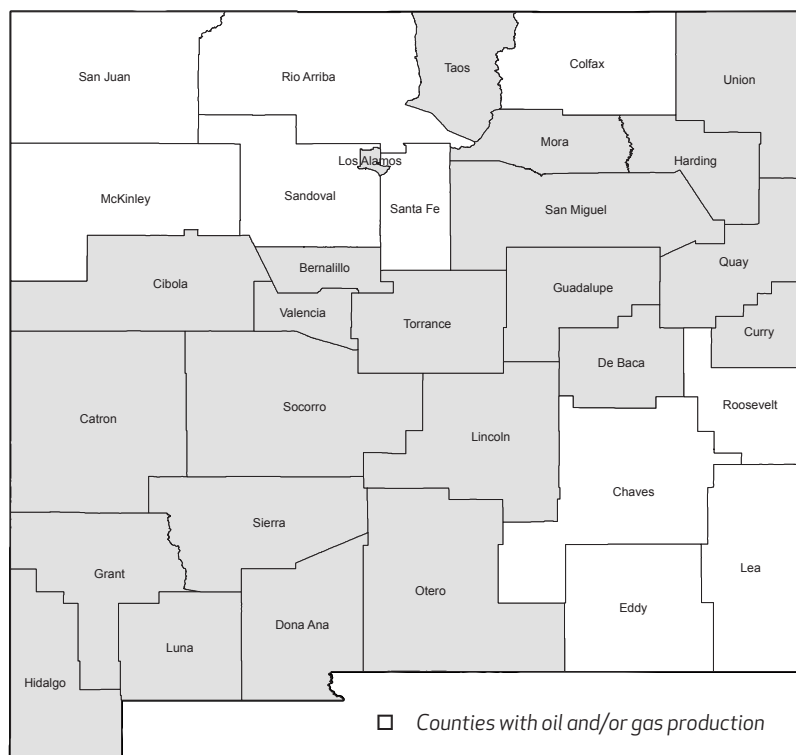
Oil and natural gas extraction	144
Refining	ND
Transportation	673
Wholesale	780
Retail	8,384
Pipeline construction	673
Oilfield machinery	0
Total petroleum industry	10,172

*On Feb. 12, 1954, Shell Oil Co. drilled*

the Eagle Springs No.1 — the discovery well for the Railroad Valley field and the state's first producer.



# NEW MEXICO



## Background Information

### Counties

Number of counties	33
With oil and/or gas production	10

### First year of production

Crude oil	1911
Natural gas	1924

### Year and amount of peak production

Crude oil — 129,227 thous. bbls.	1969
Natural gas — 1,689,125 MMcf	2001

### Deepest producing well (ft.)

Crude oil	17,652
Natural gas	17,515

### Year and depth of deepest well drilled (ft.)

1969	22,926
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	48,675	47%
Gas wells	36,812	36%
Dry holes	18,269	17%
Total	103,756	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$53,989,417
----------------------------	--------------

### Cumulative production & new reserves

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	7,052	3,169	10,221	80,665
Production	6,430	2,224	8,654	62,461

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$ 52.84
Natural gas (\$/Mcf)	\$ 6.91

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$3,205,274
Natural gas	\$11,368,097
Total	\$14,573,371

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$ 11.14
Commercial consumers	\$ 9.31
Industrial consumers	\$ 8.62
Electric utilities	NA
City Gate	\$ 7.04

### Severance taxes paid

(2005, in thous. \$)	\$ 926,884
----------------------	------------

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	39	520	559
Gas	33	1,250	1,283
Dry	22	42	64
Total	94	1,812	1,906

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	173.2	3,089.0	3,262.2
Gas	290.4	7,087.9	7,378.3
Dry	142.4	262.2	404.7
Total	606.0	10,439.2	11,045.2

(Note: Totals may not add due to rounding.)

New-field wildcats drilled	45
Footage (thous. ft.)	291.7

Average rotary rigs active	83
----------------------------	----

Permits	3,065
---------	-------

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	6th	7th
Production	7th	3rd
Reserves (2005)	6th	3rd

Number of Operators	559
---------------------	-----

### Number of producing wells

(12/31/05)

Crude oil	20,553
Natural gas	29,723
Total	50,276

### Average production

Crude oil (thous. b/d)	149
NGL (thous. b/d)	18.6
Natural gas (MMcf/day)	3,710

### Natural gas marketed production

(MMcf)	1,645,166
--------	-----------

### Average output per producing well

Crude oil (bbls.)	2,653
Natural gas (Mcf)	45,690

### Coalbed Methane (YTD MMcf)

Oil Wells	1	Gas Wells	4,475
Daily Average (MMcf) / Well			1,384

### Heavy Oil (YTD BBls, in thous.)

Wells	34
Av. Bbls per day	0
Av. Bbls per well/d	596

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	79	53	132
Production	58	77	135
Net annual change	21	-24	-3
Proved reserves	690	840	1,530

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	294	957	1,182
Production	211	1,383	1,493
Net annual change	83	-426	-311
Proved reserves	1,661	17,683	18,201

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	181	1,057,060	590,897
Gas	164	943,378	1,210,354
Dry	288	1,820,069	116,484

### Marginal oil wells

Producing marginal wells	17,114
Crude oil production in bbls. (thous.)	21,788
Crude oil production b/d (thous.)	60

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	19,194
Natural gas production in MMcf (thous.)	247,151

### Federal Onshore Mineral Lease Royalties

Oil	\$ 131,901,087
Gas	\$ 516,647,637
Total Royalties	\$1,010,921,299

### Horizontal Wells Data

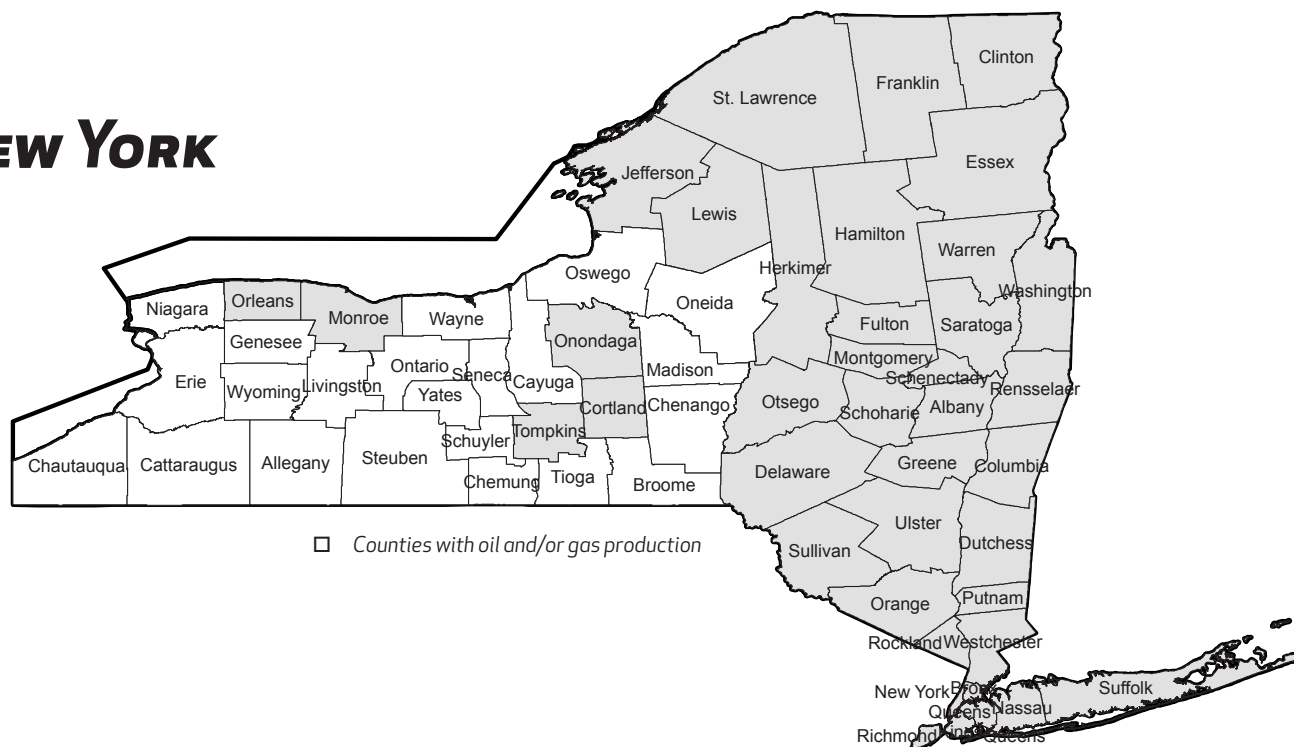
Horizontal Wells Drilled	68
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### Average number of employees

Oil and natural gas extraction	12,848
Refining	ND
Transportation	3,436
Wholesale	1,700
Retail	7,907
Pipeline construction	1,837
Oilfield machinery	194
Total petroleum industry	26,706

*Twenty miles west of Farmington,*  
Midwest Refining brought in New Mexico's  
first commercially successful oil well in  
September 1922.

# NEW YORK



## Background Information

### Counties

Number of counties	62
With oil and/or gas production	22

### First year of production

Crude oil	1865
Natural gas	1821

### Year and amount of peak production

Crude oil — 6,685 thous. bbls.	1882
Natural gas — 55,180 MMcf	2005

### Deepest producing well (ft.)

Crude oil	4,906
Natural gas	10,485

### Year and depth of deepest well drilled (ft.)

2002	15,000
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	2,506	19%
Gas wells	7,779	62%
Dry holes	2,450	19%
Total	12,735	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$1,130,190
----------------------------	-------------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	NA	NA	NA	1,492
Production	NA	NA	NA	1,157

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$54.64
Natural gas (\$/Mcf)	\$ 7.78

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 10,764
Natural gas	\$429,300
Total	\$440,064

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$14.89
Commercial consumers	\$11.80
Industrial consumers	\$10.76
Electric utilities	\$ 9.24
City Gate	\$ 8.22

### Severance taxes paid

(2005, in thous. \$)	--
----------------------	----

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	NA	63	63
Gas	14	67	81
Dry	13	3	16
Total	27	133	160

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	NA	115.9	115.9
Gas	116.4	241.7	358.1
Dry	113.7	6.9	120.6
Total	230.1	364.6	594.7

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	21
--	----

Footage (thous. ft.)	176.1
----------------------	-------

### Average rotary rigs active

	4
--	---

### Permits

	415
--	-----

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	17th	22nd
Production	29th	20th
Reserves (2005)	NA	23rd

### Number of Operators

	454
--	-----

### Number of producing wells

(12/31/05)

Crude oil	2,053
Natural gas	6,661
Total	8,714

### Average production

Crude oil (thous. b/d)	0
NGL (thous. b/d)	0.3
Natural gas (MMcf/day)	146

### Natural gas marketed production

(MMcf)

	55,180
--	--------

### Average output per producing well

Crude oil (bbls.)	45
Natural gas (Mcf)	8.037

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBls, in thous.)

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	3	73	77
Production	0	51	52
Net annual change	3	22	25
Proved reserves	3	346	349

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	95	175,232	11,040
Gas	284	1,253,555	101,538
Dry	453	3,416,282	54,661

### Marginal oil wells

Producing marginal wells	1,966
Crude oil production in bbls. (thous.)	92
Crude oil production b/d (thous.)	0

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	6,426
Natural gas production (MMcf)	10,842

### Federal Onshore Mineral Lease Royalties

Oil	--
Gas	\$10,985
Total Royalties	\$10,985

### Horizontal Wells Data

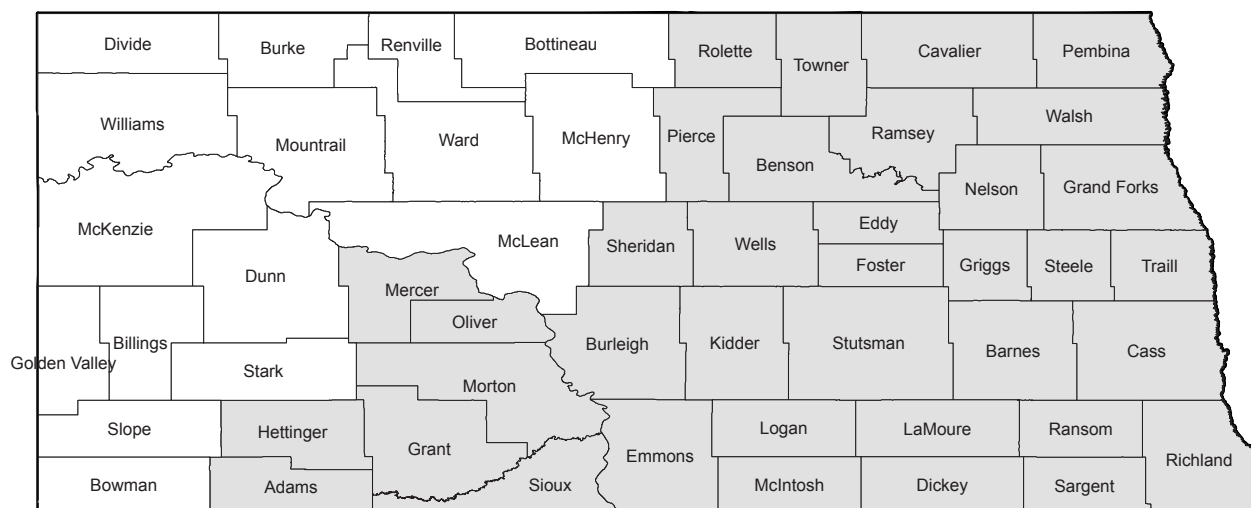
Horizontal Wells Drilled	3
--------------------------	---

### Average number of employees

Oil and natural gas extraction	784
Refining	41
Transportation	4,413
Wholesale	14,271
Retail	29,276
Pipeline construction	365
Oilfield machinery	0
Total petroleum industry	49,206

**In November 1865**, Job Moses and his Hall Farm Petroleum Co. found oil in Carrollton Township, Cattaraugus County. The Moses No. 1 well was drilled to 1,165 feet. Initial production was seven barrels per day, but the well was on the edge of what would become the giant Bradford oilfield.

# NORTH DAKOTA



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	53
With oil and/or gas production	16

### First year of production

Crude oil	1951
Natural gas	1907

### Year and amount of peak production

Crude oil — 52,654 thous. bbls.	1984
Natural gas — 72,633 MMcf	1985

### Deepest producing well (ft.)

Crude oil (18,262 MD horizontal)	14,352
Natural gas (16,510 MD horizontal)	14,792

### Year and depth of deepest well drilled (ft.)

2007 (18,262 MD horizontal-2000)	21,727
----------------------------------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	9,142	58%
Gas wells	282	2%
Dry holes	6,595	40%
Total	16,019	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$25,176,289
----------------------------	--------------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	1,904	239	2,143	2,693
Production	1,497	168	1,665	2,256

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$52.38
Natural gas (\$/Mcf)	\$8.40

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$1,867,871
Natural gas	\$441,479
Total	\$2,309,350

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$11.40
Commercial consumers	\$10.33
Industrial consumers	\$9.34
Electric utilities	\$10.23
City Gate	\$8.54

### Severance taxes paid

(2005, in thous. \$)	\$157,500
----------------------	-----------

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	56	184	240
Gas	NA	30	30
Dry	17	13	30
Total	73	227	300

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	648.2	1,488.0	2,136.2
Gas	NA	72.5	72.5
Dry	128.8	88.7	217.5
Total	777.0	1,649.3	2,426.3

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	45
--	----

Footage (thous. ft.)	444.5
----------------------	-------

### Average rotary rigs active

21

### Permits

547

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	10th	25th
Production	9th	22nd
Reserves (2005)	10th	22nd

### Number of Operators

144

### Number of producing wells

(12/31/05)

Crude oil	3,506
Natural gas	208
Total	3,714

### Average production

Crude oil (thous. b/d)	93
NGL (thous. b/d)	2.6
Natural gas (MMcf/day)	36

### Natural gas marketed production

(MMcf)

52,557

### Average output per producing well

Crude oil (bbls.)	9,724
Natural gas (Mcf)	63,223

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD Bbls, in thous.)

NA

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	63	11	74
Production	34	5	39
Net annual change	29	6	35
Proved reserves	418	49	467

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	64	38	89
Production	41	18	53
Net annual change	23	20	36
Proved reserves	343	165	453

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	483	4,298,939	1,031,745
Gas	192	464,606	13,938
Dry	758	5,500,897	165,027

### Marginal oil wells

Producing marginal wells	2,164
Crude oil production in bbls. (thous.)	4,601
Crude oil production b/d (thous.)	13

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	144
Natural gas production (MMcf)	1,376

### Federal Onshore Mineral Lease Royalties

Oil	\$ 31,933,837
Gas	\$ 4,964,598
Total Royalties	\$ 72,579,012

### Horizontal Wells Data

Horizontal Wells Drilled	246
--------------------------	-----

### Average number of employees

Oil and natural gas extraction	2,554
Refining	ND
Transportation	398
Wholesale	1,681
Retail	4,115
Pipeline construction	75
Oilfield machinery	0
Total petroleum industry	8,748

On April 4, 1951, on the Clarence Iverson farm, eight miles south of Tioga, the Amerada Hess Petroleum Corp. brought in the discovery well for the Williston Basin. The basin extends from South Dakota to western Canada, and from central North Dakota to central Montana.



## Background Information

### Counties

Number of counties	88
With oil and/or gas production	53

### First year of production

Crude oil	1860
Natural gas	1884

### Year and amount of peak production

Crude oil — 23,941 thous. bbls.	1896
Natural gas — 186,480 MMcf	1984

### Deepest producing well (ft.)

Crude oil	7,805
Natural gas	8,953

### Year and depth of deepest well drilled (ft.)

1967	11,442
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	46,574	59%
Gas wells	21,999	28%
Dry holes	11,065	13%
Total	79,638	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$8,351,116
----------------------------	-------------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	1,121	NA	1,121	9,474
Production	1,088	NA	1,088	8,813

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$53.47
Natural gas (\$/Mcf)	\$ 9.03

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 302,212
Natural gas	\$ 754,213
Total	\$1,056,425

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$13.00
Commercial consumers	\$ 11.67
Industrial consumers	\$ 11.22
Electric utilities	\$ 9.53
City Gate	\$10.66

### Severance taxes paid

(2005, in thous. \$)	\$ 2,615
----------------------	----------



## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	16	350	366
Gas	11	160	171
Dry	11	29	40
Total	38	539	577

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	77.3	1,418.3	1,495.6
Gas	69.0	591.6	660.6
Dry	37.7	94.0	131.7
Total	184.1	2,103.9	2,288.0

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	13
--	----

Footage (thous. ft.)	37.9
----------------------	------

### Average rotary rigs active

9

### Permits

985

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	7th	19th
Production	18th	19th
Reserves (2005)	19th	20th

### Number of Operators

596

### Number of producing wells

(12/31/05)

Crude oil	17,436
Natural gas	22,151
Total	39,587

### Average production

Crude oil (thous. b/d)	12
NGL (thous. b/d)	1.8
Natural gas (MMcf/day)	165

### Natural gas marketed production

(MMcf)

83,523

### Average output per producing well

Crude oil (bbls.)	244
Natural gas (Mcf)	2,729

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD Bbls, in thous.)

NA

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	1	NA	1
Production	4	NA	4
Net annual change	-3	NA	-3
Proved reserves	46	NA	46

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	-9	8	0
Production	15	61	76
Net annual change	-24	-53	-76
Proved reserves	184	714	898

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	93	379,476	138,888
Gas	86	332,508	56,859
Dry	111	364,882	14,595

### Marginal oil wells

Producing marginal wells	15,360
Crude oil production in bbls. (thous.)	3,716
Crude oil production b/d (thous.)	10

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	21,573
Natural gas production (MMcf)	50,307

### Federal Onshore Mineral Lease Royalties

Oil	\$ 103,712
Gas	\$488,757
Total Royalties	\$608,014

### Horizontal Wells Data

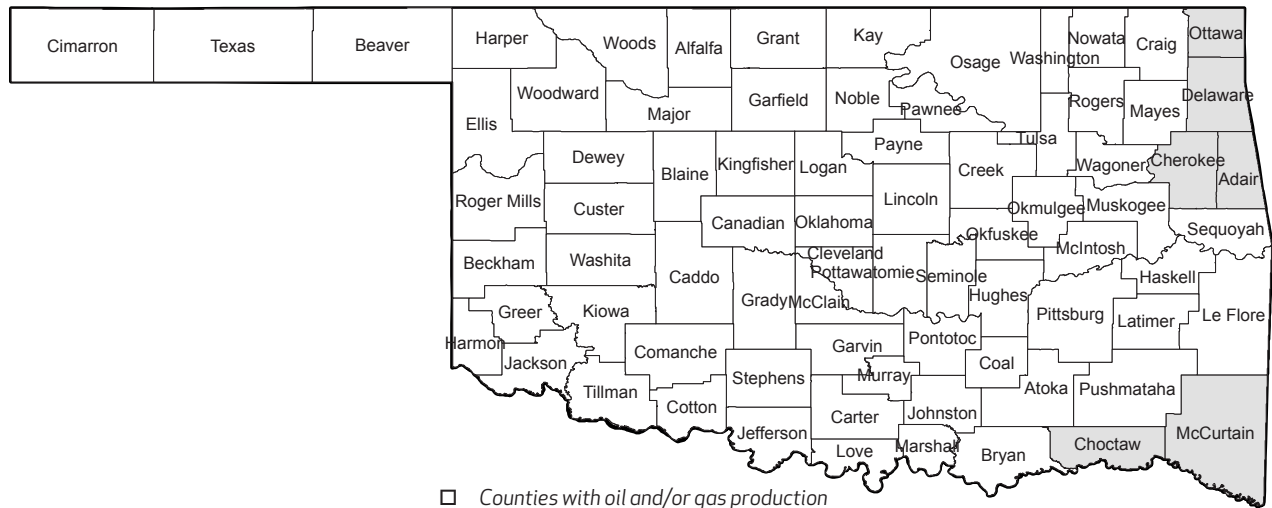
Horizontal Wells Drilled	NA
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### Average number of employees

Oil and natural gas extraction	4,623
Refining	1,424
Transportation	5,983
Wholesale	5,857
Retail	35,413
Pipeline construction	1,452
Oilfield machinery	196
Total petroleum industry	54,270

**On Jan 20, 1886**, the spectacular "Karg Well" of Findlay, Ohio, came in with an initial flow of 12 million cubic feet per day — a pressure so great it could not be controlled. Its towering plume of fire was a popular tourist attraction that burned for four months.

# OKLAHOMA



## Background Information

### Counties

Number of counties	77
With oil and/or gas production	71

### First year of production

Crude oil	1891
Natural gas	1902

### Year and amount of peak production

Crude oil — 277,775 thous. bbls.	1927
Natural gas — 2,153,852 MMcf	1991

### Deepest producing well (ft.)

Crude oil	22,850
Natural gas	25,152

### Year and depth of deepest well drilled (ft.)

1974	31,441
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	239,461	53%
Gas wells	78,410	18%
Dry holes	134,882	29%
Total	452,753	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$103,466,250
----------------------------	---------------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	14,896	5,238	20,134	113,257
Production	14,414	4,264	18,678	109,088

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$54.46
Natural gas (\$/Mcf)	\$ 7.21

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$3,390,468
Natural gas	\$ 11,819,425
Total	\$15,209,893

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$ 11.67
Commercial consumers	\$ 11.01
Industrial consumers	\$ 9.41
Electric utilities	\$ 8.28
City Gate	\$ 7.90

### Severance taxes paid

(2005, in thous. \$)	\$ 875,653
----------------------	------------

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	26	666	692
Gas	163	2,285	2,448
Dry	87	297	384
Total	276	3,248	3,524

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	178.9	3,254.6	3,433.6
Gas	1,543.5	15,352.9	16,896.5
Dry	546.2	1,501.5	2,047.7
Total	2,268.7	20,109.1	22,377.9

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

Footage (thous. ft.)	110
	837.2

### Average rotary rigs active

152

### Permits

5,081

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	5th	5th
Production	6th	5th
Reserves (2005)	7th	5th

### Number of Operators

3,891

### Number of producing wells

(12/31/05)

Crude oil	51,869
Natural gas	34,081
Total	85,950

### Average production

Crude oil (thous. b/d)	143
NGL (thous. b/d)	22.5
Natural gas (MMcf/day)	4,062

### Natural gas marketed production

(MMcf)

1,639,310

### Average output per producing well

Crude oil (bbls.)	1,008
Natural gas (Mcf)	43,628

### Coalbed Methane (YTD MMcf)

74,473

Oil Wells	7	Gas Wells	3,334
Daily Average (MMcf) / Well			203

### Heavy Oil (YTD Bbls, in thous.)

NA

Wells

NA

Av. Bbls per day

NA

Av. Bbls per well/d

NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	111	127	238
Production	51	78	129
Net annual change	60	49	109
Proved reserves	630	839	1,469

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	22	2,606	2,472
Production	112	1,570	1,587
Net annual change	-90	1,036	885
Proved reserves	809	17,337	17,123

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	140	696,366	481,885
Gas	228	1,570,791	3,845,297
Dry	118	628,779	241,451

### Marginal oil wells

Producing marginal wells	47,937
Crude oil production in bbls. (thous.)	34,834
Crude oil production b/d (thous.)	95

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	23,151
Natural gas production (MMcf)	286,833

### Federal Onshore Mineral Lease Royalties

Oil	\$ 8,628,343
Gas	\$ 27,624,185
Total Royalties	\$ 39,076,212

### Horizontal Wells Data

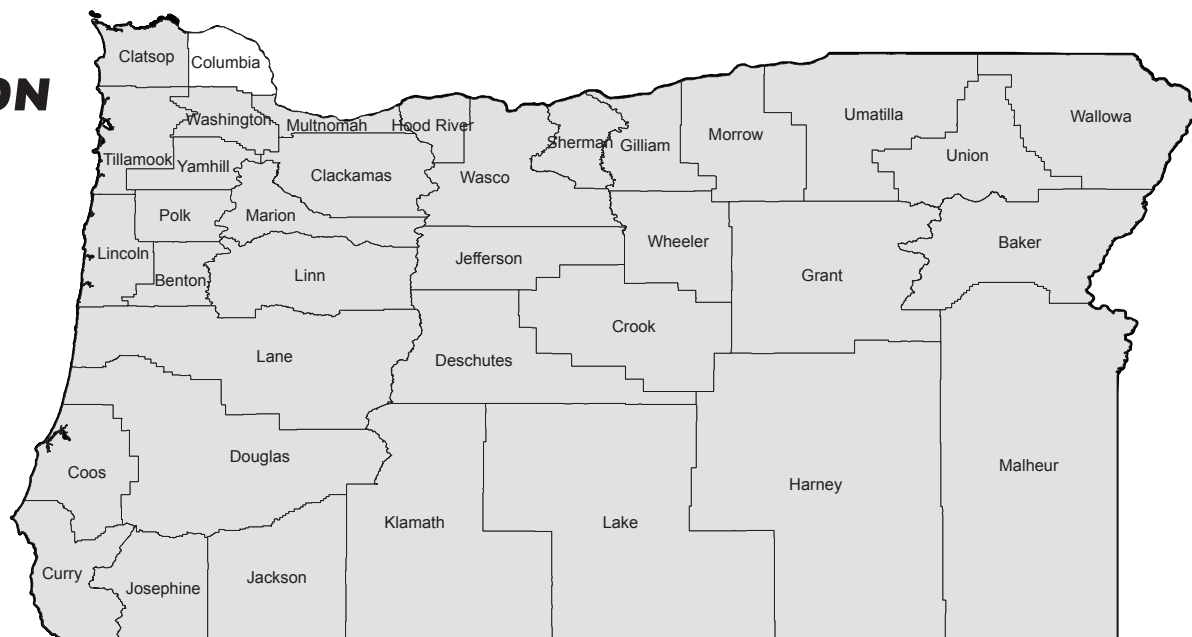
Horizontal Wells Drilled	537
--------------------------	-----

### Average number of employees

Oil and natural gas extraction	34,182
Refining	1,254
Transportation	6,078
Wholesale	3,864
Retail	12,852
Pipeline construction	1,487
Oilfield machinery	5,653
Total petroleum industry	64,364

*Curious onlookers gathered* at the Nellie Johnstone No. 1 well on April 15, 1898. At 3 p.m., George Keeler's stepdaughter, Miss Jenni Cass, dropped a "go devil" down the well bore to set off the waiting nitroglycerin — producing a gusher that marked the beginning of Oklahoma's oil era.

# OREGON



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	36
With oil and/or gas production	1

### First year of production

Crude oil	NA
Natural gas	1979

### Year and amount of peak production

Crude oil —	NA
Natural gas — 5,000 MMcf	1980/81

### Deepest producing well (ft.)

Crude oil	NA
Natural gas	13,177

### Year and depth of deepest well drilled (ft.)

1979	13,177
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	NA	NA
Gas wells	67	16%
Dry holes	361	84%
Total	428	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	NA
----------------------------	----

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	NA	NA	NA	NA
Production	NA	NA	NA	72

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	NA
Natural gas (\$/Mcf)	\$5.56

### Wellhead value of production (2005, in thous. \$)

Crude oil	NA
Natural gas	\$1,930
Total	\$1,930

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$12.90
Commercial consumers	\$10.42
Industrial consumers	\$7.70
Electric utilities	\$6.73
City Gate	\$ 7.12

### Severance taxes paid

(2005, in thous. \$)	\$ 79
----------------------	-------

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	NA	NA	NA
Total	NA	NA	NA

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	NA	NA	NA
Total	NA	NA	NA

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

Footage (thous. ft.)	NA
----------------------	----

### Average rotary rigs active

0

### Permits

14

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	NA	NA
Production	NA	28th
Reserves (2005)	NA	NA

### Number of Operators

2

### Number of producing wells

(12/31/05)

Crude oil	0
Natural gas	14
Total	14

### Average production

Crude oil (thous. b/d)	0
NGL (thous. b/d)	NA
Natural gas (MMcf/day)	1

### Natural gas marketed production

(MMcf)	454
--------	-----

### Average output per producing well

Crude oil (bbls.)	NA
Natural gas (Mcf)	32,678

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBls, in thous.)

NA

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	NA	NA	NA
Gas	NA	NA	NA
Dry	NA	NA	NA

### Marginal oil wells

Producing marginal wells	NA
Crude oil production in bbls. (thous.)	NA
Crude oil production b/d (thous.)	NA

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	11
Natural gas production (MMcf)	138

### Federal Onshore Mineral Lease Royalties

Oil	--
Gas	--
Total Royalties	\$50,865

### Average number of employees

Oil and natural gas extraction	12
Refining	ND
Transportation	275
Wholesale	1,839
Retail	11,104
Pipeline construction	275
Oilfield machinery	0
Total petroleum industry	13,677

# PENNSYLVANIA



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	67
With oil and/or gas production	31

### First year of production

Crude oil	1859
Natural gas	1881

### Year and amount of peak production

Crude oil — 31,424 thous. bbls.	1891
Natural gas — 200,907 MMcf	2000

### Deepest producing well (ft.)

Crude oil	8,484
Natural gas	13,186

### Year and depth of deepest well drilled (ft.)

1974	21,432
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	21,457	32%
Gas wells	42,311	63%
Dry holes	3,609	5%
Total	67,377	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$5,045,574
----------------------------	-------------

### Cumulative production & new reserves

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	1,360	NA	1,360	15,505
Production	1,355	NA	1,355	12,913

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$54.57
Natural gas (\$/Mcf)	NA

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 74,405
Natural gas	NA
Total	\$ 74,405

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$ 14.21
Commercial consumers	\$13.04
Industrial consumers	\$ 11.25
Electric utilities	\$10.30
City Gate	\$ 9.98

### Severance taxes paid (2005, in thous. \$)

--

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	24	675	699
Gas	402	2,212	2,614
Dry	10	21	31
Total	436	2,908	3,344

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	58.1	1,319.5	1,377.7
Gas	1,639.1	8,047.7	9,686.9
Dry	51.3	69.7	121.0
Total	1,748.6	9,437.0	11,185.7

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	142
--	-----

Footage (thous. ft.)	607.9
----------------------	-------

### Average rotary rigs active

13

### Permits

5,572

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	4th	3rd
Production	20th	16th
Reserves (2005)	25th	15th

### Number of Operators

--

### Number of producing wells

(12/31/05)

Crude oil	NA
Natural gas	NA
Total	NA

### Average production

Crude oil (thous. b/d)	NA
NGL (thous. b/d)	NA
Natural gas (MMcf/day)	NA

### Natural gas marketed production

(MMcf)

168,501

### Average output per producing well

Crude oil (bbls.)	NA
Natural gas (Mcf)	NA

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD Bbls, in thous.)

NA

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	4	NA	4
Production	2	NA	2
Net annual change	2	NA	2
Proved reserves	14	NA	14

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	18	585	602
Production	9	172	181
Net annual change	9	413	421
Proved reserves	134	2,659	2,782

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	95	186,626	130,452
Gas	83	306,782	801,929
Dry	115	449,597	13,938

### Marginal oil wells

Producing marginal wells	NA
Crude oil production in bbls. (thous.)	NA
Crude oil production b/d (thous.)	NA

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	0
Natural gas production (MMcf)	0

### Federal Onshore Mineral Lease Royalties

Oil	\$ 279
Gas	\$ 41,212
Total Royalties	\$ 60,412

### Horizontal Wells Data

Horizontal Wells Drilled	2
--------------------------	---

### Average number of employees

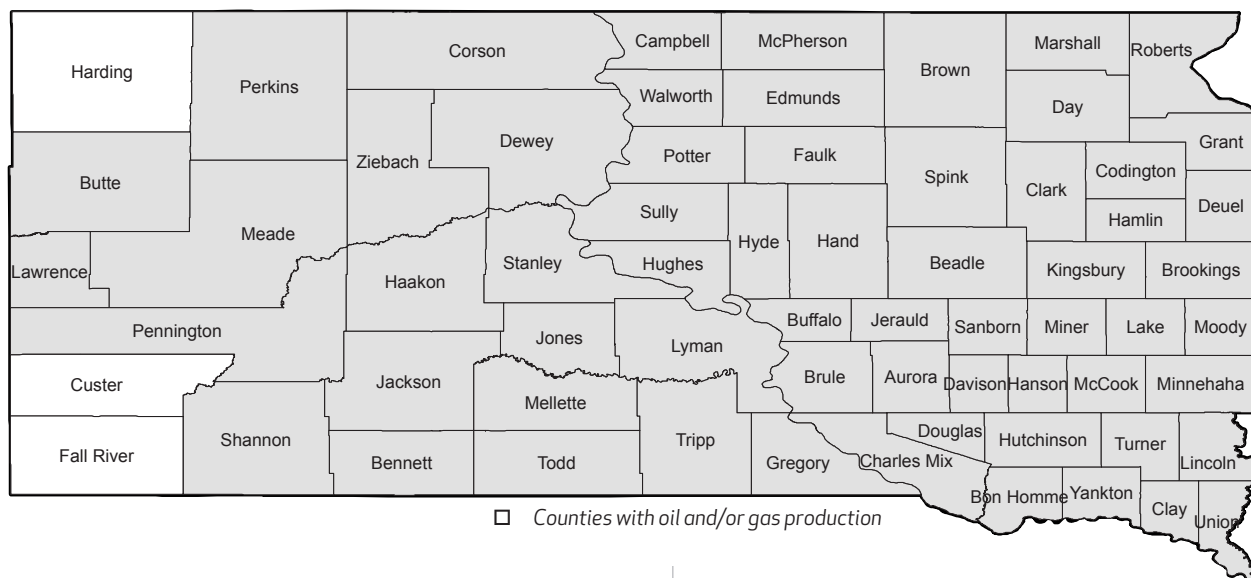
Oil and natural gas extraction	4,702
Refining	2,365
Transportation	7,493
Wholesale	11,818
Retail	36,685
Pipeline construction	1,952
Oilfield machinery	274
Total petroleum industry	65,840

### America's petroleum industry began in

Titusville when "Col." Edwin Drake, working for the Pennsylvania Rock Oil Co., struck oil at 69 1/2 feet on Aug. 27, 1859. Drake sold the oil to Samuel Kier for \$20 per barrel. Kier used a small still in Pittsburg to refine the oil into kerosene for illumination.



# SOUTH DAKOTA



## Background Information

### Counties

Number of counties	66
With oil and/or gas production	3

### First year of production

Crude oil	1954
Natural gas	1979

### Year and amount of peak production

Crude oil — 1,668 thous. bbls.	1988
Natural gas — 4,369 MMcf	1989

### Deepest producing well (ft.)

Crude oil	14,877
Natural gas	3,550

### Year and depth of deepest well drilled (ft.)

2006	17,025
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	355	31%
Gas wells	112	7%
Dry holes	1,173	72%
Total	1,640	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$881,142
----------------------------	-----------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	NA	NA	NA	NA
Production	NA	NA	NA	NA

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$50.65
Natural gas (\$/Mcf)	\$ 7.44

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$74,405
Natural gas	\$ 7,380
Total	\$ 81,785

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$11.68
Commercial consumers	\$10.34
Industrial consumers	\$ 8.03
Electric utilities	NA
City Gate	\$ 8.48

Severance taxes paid	\$2,507
----------------------	---------

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	1	34	35
Gas	NA	NA	NA
Dry	6	NA	6
Total	7	34	41

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	15.1	209.9	225.0
Gas	NA	NA	NA
Dry	22.1	NA	22.1
Total	37.2	209.9	247.2

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	6
--	---

Footage (thous. ft.)

22.1

### Average rotary rigs active

2

### Permits

67

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	22nd	NA
Production	26th	27th
Reserves (2005)	NA	NA

### Number of Operators

15

### Number of producing wells

(12/31/05)

Crude oil	162
Natural gas	60
Total	222

### Average production

Crude oil (thous. b/d)	4
NGL (thous. b/d)	0
Natural gas (MMcf/day)	1

### Natural gas marketed production

(MMcf)

992

### Average output per producing well

Crude oil (bbls.)	8,737
Natural gas (Mcf)	7,140

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD Bbls, in thous.)

NA

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	524	3,373,038	118,056
Gas	NA	NA	NA
Dry	347	1,278,226	7,669

### Marginal oil wells

Producing marginal wells	75
Crude oil production in bbls. (thous.)	229
Crude oil production b/d (thous.)	1

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	60
Natural gas production (MMcf)	428

### Federal Onshore Mineral Lease Royalties

Oil	\$ 910,013
Gas	\$ 130,549
Total Royalties	\$1,241,296

### Horizontal Wells Data

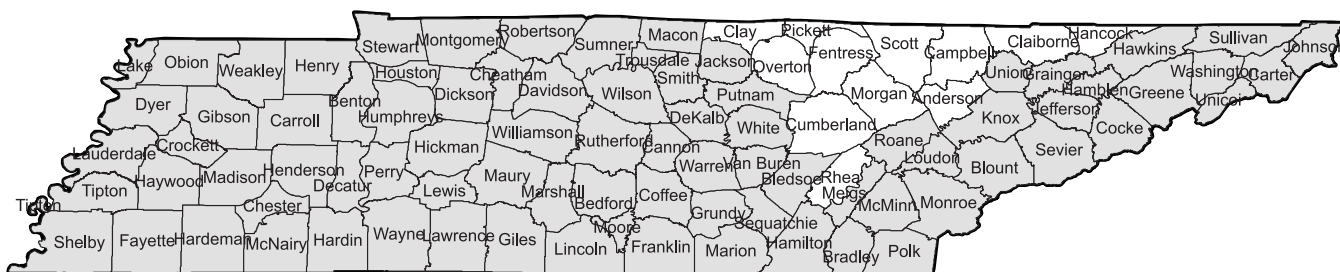
Horizontal Wells Drilled	34
--------------------------	----

### Average number of employees

Oil and natural gas extraction	60
Refining	ND
Transportation	335
Wholesale	1,318
Retail	5,750
Pipeline construction	46
Oilfield machinery	0
Total petroleum industry	7,463

**Shell Oil Co. drilled** the discovery well for the Buffalo Field in October 1953 in Harding County. The well began producing at 9,332 feet on Jan. 14, 1954. Over the last 50 years, the well has produced 341,169 barrels of oil.

# TENNESSEE



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	95
With oil and/or gas production	12

### First year of production

Crude oil	1860
Natural gas	1889

### Year and amount of peak production

Crude oil — 1,132 thous. bbls.	1982
Natural gas — 5,022 MMcf	1984

### Deepest producing well (ft.)

Crude oil	3,297
Natural gas	4,624

### Year and depth of deepest well drilled (ft.)

2006	14,762
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	2,751	24%
Gas wells	3,084	26%
Dry holes	5,833	50%
Total	11,66	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$412,470
----------------------------	-----------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	NA	NA	NA	NA
Production	NA	NA	NA	NA

## Value of Oil and Gas

### Average wellhead price\* (2005)

Crude oil (\$/bbl.)	\$45.57
Natural gas (\$/Mcf)	\$ 9.55

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 14,765
Natural gas	\$ 21,010
Total	\$35,775

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$13.50
Commercial consumers	\$12.47
Industrial consumers	\$10.06
Electric utilities	NA
City Gate	\$ 9.08

### Severance taxes paid (2005, in thous. \$)

	\$ 813
--	--------

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	7	34	41
Gas	45	40	85
Dry	19	89	108
Total	71	163	234

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	17.4	59.8	77.3
Gas	127.9	105.9	233.8
Dry	40.8	151.5	192.3
Total	186.2	317.2	503.5

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	33
--	----

Footage (thous. ft.) 107.5

### Average rotary rigs active

0

### Permits

355

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	21st	21st
Production	28th	25th
Reserves (2005)	NA	NA

### Number of Operators

--

### Number of producing wells

(12/31/05)

Crude oil	NA
Natural gas	NA
Total	NA

### Average production

Crude oil (thous. b/d)	NA
NGL (thous. b/d)	NA
Natural gas (MMcf/day)	NA

### Natural gas marketed production

(MMcf)

2,200

### Average output per producing well

Crude oil (bbls.)	NA
Natural gas (Mcf)	NA

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBls, in thous.)

NA

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	152	287,453	11,786
Gas	96	263,828	22,425
Dry	173	308,324	33,299

### Marginal oil wells

Producing marginal wells	NA
Crude oil production in bbls. (thous.)	NA
Crude oil production b/d (thous.)	NA

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	0
Natural gas production (MMcf)	0

### Federal Onshore Mineral Lease Royalties

Oil	--
Gas	--
Total Royalties	--

### Horizontal Wells Data

Horizontal Wells Drilled	1
--------------------------	---

### Average number of employees

Oil and natural gas extraction	547
Refining	ND
Transportation	3,114
Wholesale	4,020
Retail	24,092
Pipeline construction	809
Oilfield machinery	0
Total petroleum industry	32,807

**Between 1859 and 1870**, several exploratory wells were drilled in Overton County. The Gilbreath No. 1 on Bear Creek came in at a depth of only 20 feet in 1860. In 1866, the Newman No. 1 well came in on Spring Creek and yielded about 2,000 barrels of oil from a depth of only 19 feet.



Severance taxes paid	\$2,338,380
(2005, in thous. \$)	

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	99	3,406	3,505
Gas	266	6,433	6,699
Dry	367	961	1,328
Total	732	10,800	11,532

### Total footage drilled (thous. ft.)

	Exploratory	Development	Total
Oil	601.3	19,040.2	19,641.5
Gas	2,394.2	60,136.4	62,530.7
Dry	2,945.1	5,494.3	8,439.5
Total	5,940.7	84,671.0	90,611.8

(Note: Totals may not add due to rounding.)

New-field wildcats drilled	464
Footage (thous. ft.)	3,794.5

Average rotary rigs active	614
----------------------------	-----

Permits	17,381
---------	--------

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	1st	1st
Production	2nd	1st
Reserves (2005)	1st	1st

Number of Operators	4,840
---------------------	-------

### Number of producing wells (12/31/05)

Crude oil	152,045
Natural gas	79,879
Total	231,924

### Average production

Crude oil (thous. b/d)	950
NGL (thous. b/d)	117.9
Natural gas (MMcf/day)	14,535

### Natural gas marketed production

(MMcf)	5,276,401
--------	-----------

### Average output per producing well

Crude oil (bbls.)	2,286
Natural gas (Mcf)	66,598

Coalbed Methane (YTD MMcf)	259
----------------------------	-----

Oil Wells	0	Gas Wells	15
Daily Average (MMcf) / Well			1

Heavy Oil (YTD Bbls, in thous.)	NA
---------------------------------	----

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	661	573	970
Production	335	294	649
Net annual change	306	279	585
Proved reserves	4,919	3,080	7,999

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	-5	11,593	11,976
Production	615	5,146	5,424
Net annual change	456	6,447	6,552
Proved reserves	7,003	53,175	56,507

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	177	989,519	3,468,266
Gas	231	2,153,793	14,428,257
Dry	174	1,108,607	1,472,230

### Marginal oil wells

Producing marginal wells	138,295
Crude oil production in bbls. (thous.)	142,740
Crude oil production b/d (thous.)	391

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	47,307
Natural gas production (MMcf)	538,896

### Federal Onshore Mineral Lease Royalties

Oil	\$ 3,222,534
Gas	\$ 21,846,190
Total Royalties	\$36,463,233

### Horizontal Wells Data

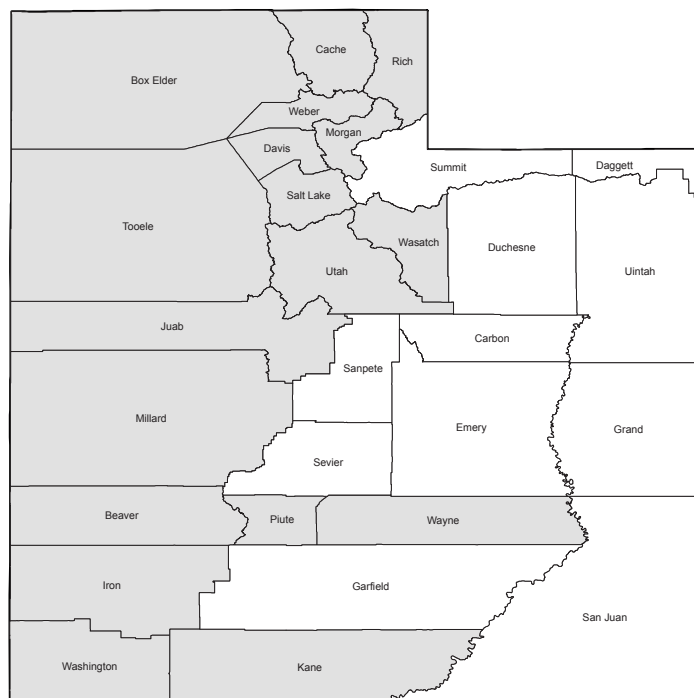
Horizontal Wells Drilled	1,556
--------------------------	-------

### Average number of employees

Oil and natural gas extraction	160,004
Refining	19,885
Transportation	36,269
Wholesale	15,989
Retail	68,471
Pipeline construction	17,149
Oilfield machinery	29,208
Total petroleum industry	330,519

**Confederate veteran Lyne Taliaferro Barret's  
Melrose Petroleum Oil Co.** brought in the No. 1

Isaac C. Skillern well near Nacodoches, Texas, on Sept. 12, 1866. The Lone Star state's first commercial producer yielded a modest ten barrels per day.



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	29
With oil and/or gas production	11

### First year of production

Crude oil	1907
Natural gas	1886

### Year and amount of peak production

Crude oil — 42,301 thous. bbls.	1975
Natural gas — 348,140 MMcf	1994

### Deepest producing well (ft.)

Crude oil	17,910
Natural gas	20,600

### Year and depth of deepest well drilled (ft.)

1982	21,874
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	6,507	39%
Gas wells	5,391	33%
Dry holes	4,858	28%
Total	16,756	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$) \$17,368,922

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	1,385	1,413	2,798	10,282
Production	1,176	323	1,499	5,927

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$53.98
Natural gas (\$/Mcf)	\$ 7.16

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 898,821
Natural gas	\$ 2,156,757
Total	\$3,055,578

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$ 9.71
Commercial consumers	\$ 8.23
Industrial consumers	\$ 7.33
Electric utilities	NA
City Gate	\$ 7.58

### Severance taxes paid (2005, in thous. \$)

\$ 57,116



## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	8	280	288
Gas	41	404	445
Dry	19	25	44
Total	68	709	777

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	47.3	1,687.4	1,734.7
Gas	353.1	3,349.4	3,702.5
Dry	134.5	143.4	278.0
Total	535.0	5,180.2	5,715.3

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	32
--	----

Footage (thous. ft.)	236.7
----------------------	-------

### Average rotary rigs active

28

### Permits

1,750

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	9th	12th
Production	14th	11th
Reserves (2005)	12th	11th

### Number of Operators

111

### Number of producing wells

(12/31/05)

Crude oil	2,685
Natural gas	4,171
Total	6,856

### Average production

Crude oil (thous. b/d)	42
NGL (thous. b/d)	3.8
Natural gas (MMcf/day)	769

### Natural gas marketed production

(MMcf)

301,223

### Average output per producing well

Crude oil (bbls.)	5,698
Natural gas (Mcf)	67,458

### Coalbed Methane (YTD MMcf)

83,244

Oil Wells	2	Gas Wells	822
Daily Average (MMcf) / Well			227

### Heavy Oil (YTD BBls, in thous.)

198

Wells	18
Av. Bbls per day	1
Av. Bbls per well/d	10,988

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	56	14	70
Production	15	62	77
Net annual change	41	-48	-7
Proved reserves	256	879	1,135

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	45	676	737
Production	27	286	308
Net annual change	18	390	429
Proved reserves	308	4,051	4,295

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	115	691,713	199,213
Gas	279	2,319,652	1,032,245
Dry	301	1,899,980	83,599

### Marginal oil wells

Producing marginal wells	1,756
Crude oil production in bbls. (thous.)	3,908
Crude oil production b/d (thous.)	11

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	2,107
Natural gas production (MMcf)	30,898

### Federal Onshore Mineral Lease Royalties

Oil	\$ 71,527,261
Gas	\$113,505,639
Total Royalties	\$231,164,526

### Horizontal Wells Data

Horizontal Wells Drilled	10
--------------------------	----

### Average number of employees

Oil and natural gas extraction	4,130
Refining	783
Transportation	1,586
Wholesale	913
Retail	9,558
Pipeline construction	419
Oilfield machinery	233
Total petroleum industry	17,203

*In 1907, Pat Holohan found oil sand in Washington County and a dozen companies rushed in to drill 14 more. The next year, L.L. Goodridge brought in a gusher at Mexican Hat in San Juan County.*

# VIRGINIA



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	96
With oil and/or gas production	7

### First year of production

Crude oil	1943
Natural gas	1931

### Year and amount of peak production

Crude oil — 65 thous. bbls.	1983
Natural gas — 88,610 MMcf	2005

### Deepest producing well (ft.)

Crude oil	7,238
Natural gas	7,238

### Year and depth of deepest well drilled (ft.)

1977	17,003
------	--------

### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	54	1%
Gas wells	4,212	92%
Dry holes	337	7%
Total	4,603	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$11,097
----------------------------	----------

### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	NA	NA	NA	2,798
Production	NA	NA	NA	1,088

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	NA
Natural gas (\$/Mcf)	NA

### Wellhead value of production (2005, in thous. \$)

Crude oil	NA
Natural gas	NA
Total	NA

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$ 15.15
Commercial consumers	\$ 11.85
Industrial consumers	\$10.83
Electric utilities	\$ 9.62
City Gate	\$ 10.12

### Severance taxes paid

(2005, in thous. \$)	--
----------------------	----

## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	6	318	324
Dry	NA	NA	NA
Total	6	318	324

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	NA	NA	NA
Gas	34.8	948.6	983.4
Dry	NA	NA	NA
Total	34.8	948.6	983.4

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	2
--	---

Footage (thous. ft.)	11.3
----------------------	------

### Average rotary rigs active

	2
--	---

### Permits

	539
--	-----

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	32nd	16th
Production	32nd	19th
Reserves (2005)	NA	17th

### Number of Operators\*

	23
--	----

### Number of producing wells

(12/31/05)

Crude oil	NA
Natural gas	3,820
Total	3,820

### Average production

Crude oil (thous. b/d)	NA
NGL (thous. b/d)	NA
Natural gas (MMcf/day)	NA

### Natural gas marketed production

(MMcf)	88,610
--------	--------

### Average output per producing well

Crude oil (bbls.)	NA
Natural gas (Mcf)	NA

### Coalbed Methane (YTD MMcf)

Oil Wells	NA	Gas Wells	NA
Daily Average (MMcf) / Well			NA

### Heavy Oil (YTD BBLs, in thous.)

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	NA	NA	NA
Production	NA	NA	NA
Net annual change	NA	NA	NA
Proved reserves	NA	NA	NA

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	0	346	346
Production	0	70	70
Net annual change	0	276	276
Proved reserves	0	2,018	2,018

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	NA	NA	NA
Gas	108	326,676	105,843
Dry	NA	NA	NA

### Marginal oil wells

Producing marginal wells	NA
Crude oil production in bbls. (thous.)	NA
Crude oil production b/d (thous.)	NA

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	0
Natural gas production (MMcf)	0

### Federal Onshore Mineral Lease Royalties

Oil	--
Gas	\$433,482
Total Royalties	\$456,851

### Horizontal Wells Data

Horizontal Wells Drilled	1
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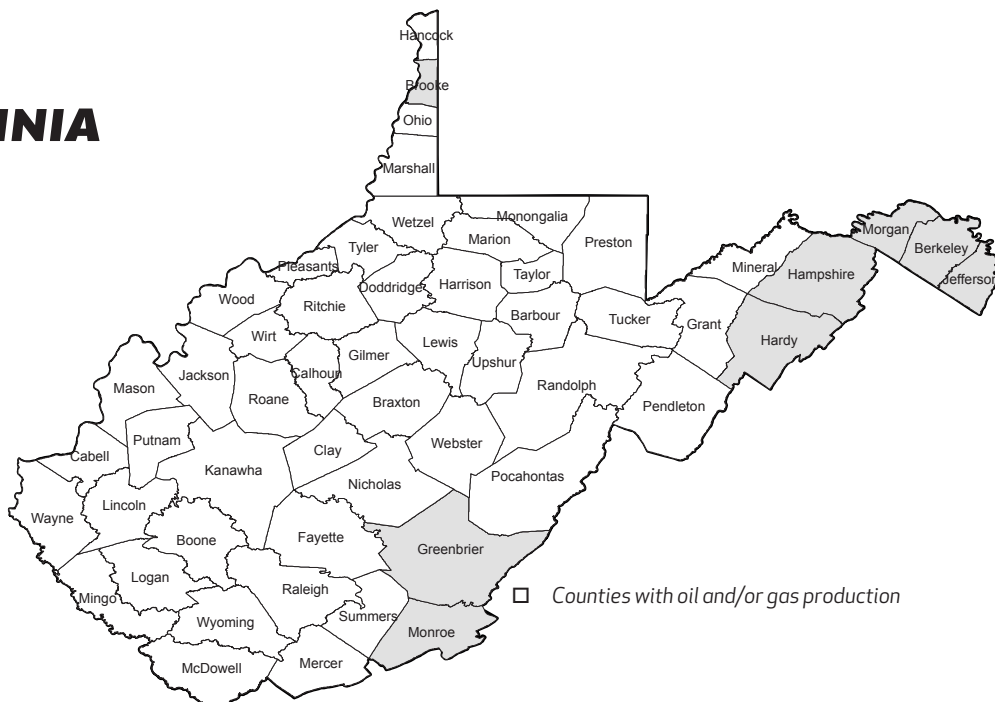
### Average number of employees

Oil and natural gas extraction	3,653
Refining	ND
Transportation	3,451
Wholesale	5,087
Retail	33,621
Pipeline construction	1,566
Oilfield machinery	0
Total petroleum industry	46,701

### Reporting on the Ruffner brothers wells

northwestern Virginia in 1833, the American Journal of Science noted, "The petroleum affords considerable profit and is beginning to be in demand for workshops and manufactories. It affords a clear, brisk light, when burned in this way, and will be a valuable article for lighting the street lamps in the future..."

# WEST VIRGINIA



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	55
With oil and/or gas production	47

### First year of production

Crude oil	1860
Natural gas	1885

### Year and amount of peak production

Crude oil — 16,196 thous. bbls.	1900
Natural gas — 264,139 MMcf	2000

### Deepest producing well (ft.)

Crude oil	6,785
Natural gas	14,300

### Year and depth of deepest well drilled (ft.)

1974	20,222
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### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	13,857	10%
Gas wells	55,363	82%
Dry holes	7,177	8%
Total	76,397	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$2,693,858
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### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	603	462	1,065	24,209
Production	612	407	1,019	19,904

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$ 53.75
Natural gas (\$/Mcf)	\$ 7.07

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 84,011
Natural gas	\$1,563,234
Total	\$1,647,245

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$13.00
Commercial consumers	\$12.22
Industrial consumers	\$10.50
Electric utilities	\$10.08
City Gate	\$ 9.69

### Severance taxes paid

(2005, in thous. \$)	\$53,557
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## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	NA	22	22
Gas	191	1,164	1,355
Dry	5	26	31
Total	196	1,212	1,408

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	NA	72.2	72.2
Gas	844.9	4,808.2	5,653.1
Dry	15.7	39.3	55.1
Total	860.6	4,919.8	5,780.4

(Note: Totals may not add due to rounding.)

### New-field wildcats drilled

	23
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Footage (thous. ft.) 104.7

### Average rotary rigs active

17

### Permits

2,040

### State-wide rank

	Crude Oil	Natural Gas
Wells drilled	24th	6th
Production	25th	14th
Reserves (2005)	22th	9th

### Number of Operators

619

### Number of producing wells

(12/31/05)

Crude oil	2,115
Natural gas	44,172
Total	46,287

### Average production

Crude oil (thous. b/d)	2
NGL (thous. b/d)	3.8
Natural gas (MMcf/day)	588

### Natural gas marketed production

(MMcf)

221,108

### Average output per producing well

Crude oil (bbls.)	319
Natural gas (Mcf)	4,871

### Coalbed Methane (YTD MMcf)

1,986

Oil Wells	0	Gas Wells	108
Daily Average (MMcf) / Well			5

### Heavy Oil (YTD BBls, in thous.)

NA

Wells	NA
Av. Bbls per day	NA
Av. Bbls per well/d	NA

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	11	4	15
Production	1	4	5
Net annual change	10	0	10
Proved reserves	21	85	106

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	0	1,298	1,292
Production	1	234	230
Net annual change	-1	1,064	1,062
Proved reserves	19	4,553	4,459

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	77	253,606	5,579
Gas	71	297,619	403,273
Dry	149	264,858	8,211

### Marginal oil wells

Producing marginal wells	1,480
Crude oil production in bbls. (thous.)	422
Crude oil production b/d (thous.)	1

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	43,242
Natural gas production (MMcf)	175,204

### Federal Onshore Mineral Lease Royalties

Oil	\$ 331
Gas	\$1,128,334
Total Royalties	\$1,325,728

### Horizontal Wells Data

Horizontal Wells Drilled	5
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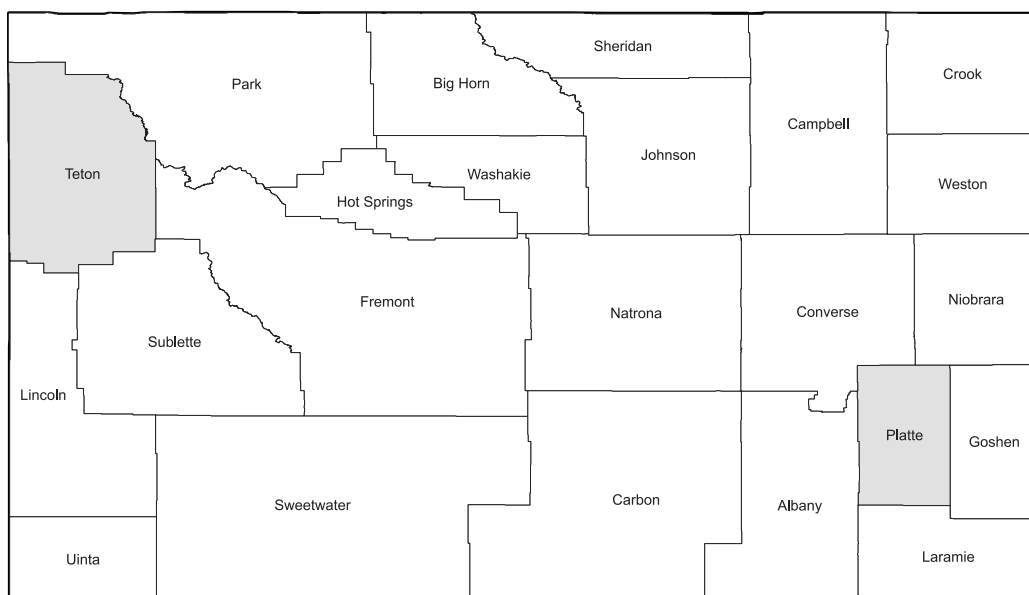
### Average number of employees

Oil and natural gas extraction	3,946
Refining	323
Transportation	3,052
Wholesale	1,072
Retail	9,214
Pipeline construction	640
Oilfield machinery	0
Total petroleum industry	18,245

### Confederate Gen. William "Grumble" Jones

attacked Burning Springs on May 9, 1863. Jones reported, "All the oil, the tanks, barrels, engines for pumping, engine-houses, and wagons — in a word, everything used for raising, holding, or sending it off was burned."

# WYOMING



□ Counties with oil and/or gas production

## Background Information

### Counties

Number of counties	23
With oil and/or gas production	21

### First year of production

Crude oil	1894
Natural gas	1889

### Year and amount of peak production

Crude oil — 160,345 thous. bbls.	1970
Natural gas — 1,639,317 MMcf	2005

### Deepest producing well (ft.)

Crude oil	19,612
Natural gas	24,938

### Year and depth of deepest well drilled (ft.)

2001	25,830
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### Cumulative number of total wells drilled as of 12/31/05 (excluding service wells)

Oil wells	33,061	33%
Gas wells	34,802	37%
Dry holes	29,731	30%
Total	97,594	100%

### Cumulative crude oil wellhead value

as of 12/31/05 (thous. \$)	\$67,267,869
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### Cumulative production & new reserves

as of 12/31/05

	Crude Oil	NGL (mill. bbls.)	Total	Natural Gas (Bcf)
Reserves	7,252	1,886	9,138	51,576
Production	6,689	1,201	7,890	29,938

## Value of Oil and Gas

### Average wellhead price (2005)

Crude oil (\$/bbl.)	\$45.63
Natural gas (\$/Mcf)	\$ 6.86

### Wellhead value of production (2005, in thous. \$)

Crude oil	\$ 2,355,694
Natural gas	\$ 11,245,715
Total	\$13,601,409

### Average natural gas price (2005, \$/Mcf)

Residential consumers	\$10.53
Commercial consumers	\$ 9.19
Industrial consumers	\$8.26
Electric utilities	\$5.79
City Gate	\$8.04

### Severance taxes paid

(2005, in thous. \$)	\$713,456
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## 2005 Industry Statistics

### Number of wells drilled

	Exploratory	Development	Total
Oil	23	151	174
Gas	78	4,122	4,200
Dry	29	57	86
Total	130	4,330	4,460

### Total footage drilled

(thous. ft.)

	Exploratory	Development	Total
Oil	226.2	752.8	979.0
Gas	850.9	12,831.0	13,681.9
Dry	258.3	294.6	552.9
Total	1,335.4	13,878.4	15,213.9

(Note: Totals may not add due to rounding.)

New-field wildcats drilled	80
Footage (thous. ft.)	829.8

Average rotary rigs active	78
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Permits	7,298
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### State-wide rank

	Crude Oil	Natural gas
Wells drilled	13th	2nd
Production	8th	4th
Reserves (2005)	5th	2nd

Number of Operators	447
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### Number of producing wells

(12/31/05)

Crude oil	12,147
Natural gas	26,475
Total	38,622

### Average production

Crude oil (thous. b/d)	113
NGL (thous. b/d)	27.1
Natural gas (MMcf/day)	5,026

### Natural gas marketed production

(MMcf)

1,639,317

### Average output per producing well

Crude oil (bbls.)	3,412
Natural gas (Mcf)	69,485

### Coalbed Methane (YTD MMcf)

340,320

Oil Wells	1	Gas Wells	17,410
Daily Average (MMcf) / Well			930

### Heavy Oil (YTD Bbls, in thous.)

10,658

Wells	1,966
Av. Bbls per day	29
Av. Bbls per well/d	5,421

Source: EIA for production and IHS for wells drilled

## 2005 Latest Available Data

### Petroleum reserves

as of 12/31/05 (mill. bbls.)

	Crude Oil	NGL	Total
New reserves	121	14	135
Production	45	62	107
Net annual change	76	-48	28
Proved reserves	76	879	955

### Natural gas reserves

as of 12/31/05 (Bcf)

	Associated Dissolved	Non- Associated	Dry Gas
New reserves	82	2,708	2,784
Production	60	1,648	1,642
Net annual change	22	1,060	1,142
Proved reserves	384	24,338	23,774

### Cost of drilling and equipping wells

	Cost/ft. (\$)	Cost/ well (\$)	Total Cost (thous. \$)
Oil	361	2,033,616	353,849
Gas	452	1,471,876	6,181,880
Dry	488	3,137,948	269,863

### Marginal oil wells

Producing marginal wells	9,911
Crude oil production in bbls. (thous.)	13,448
Crude oil production b/d (thous.)	37

### Marginal natural gas wells

as of 12/31/05

Producing marginal wells	15,513
Natural gas production (MMcf)	174,046

### Federal Onshore Mineral Lease Royalties

Oil	\$ 144,064,745
Gas	\$ 761,285,807
Total Royalties	\$1,832,305,724

### Horizontal Wells Data

Horizontal Wells Drilled	60
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### Average number of employees

Oil and natural gas extraction	14,578
Refining	834
Transportation	3,241
Wholesale	676
Retail	4,036
Pipeline construction	2,421
Oilfield machinery	0
Total petroleum industry	24,267

*In 1832, Captain B. L. E. Bonneville* took the first wagons through South Pass and recorded the presence of oil. Fifty years later, prospector Mike Murphy, bought an oil lease on the site of Capt. Bonneville's "great tar spring" southeast of Lander.



# ROTARY RIGS OPERATING

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	5	4	6	6	4	5	3	3	3	4
Alaska	10	11	12	5	8	13	11	10	10	9
Arizona	0	0	0	0	0	0	0	0	0	0
Arkansas	9	10	6	3	4	2	1	2	6	9
California	27	32	28	19	24	36	23	22	24	27
Colorado	14	16	13	13	18	32	28	39	54	74
Florida	1	0	0	0	0	0	0	1	1	2
Illinois	0	0	0	0	0	0	0	0	0	0
Indiana	0	0	0	0	0	0	0	0	0	0
Kansas	24	19	13	7	22	23	8	9	7	7
Kentucky	3	5	3	6	5	6	5	4	5	5
Louisiana	156	194	187	141	194	214	163	157	167	182
Michigan	4	6	5	2	3	1	1	3	3	3
Mississippi	9	13	14	7	11	14	8	8	10	10
Montana	8	11	9	4	7	10	8	14	20	24
Nebraska	0	1	1	0	1	0	0	0	1	0
Nevada	1	0	0	0	0	0	0	1	2	2
New Mexico	35	53	45	36	68	68	42	65	67	83
New York	2	1	2	3	3	5	4	3	5	4
North Dakota	19	18	11	6	13	14	10	14	15	21
Ohio	8	9	10	11	9	10	9	8	7	9
Oklahoma	106	104	85	62	99	130	91	129	159	152
Oregon	0	0	0	0	0	0	0	0	0	0
Pennsylvania	11	10	11	8	9	11	11	10	9	13
South Dakota	1	1	0	1	0	1	0	0	1	2
Texas	283	358	303	227	343	462	338	449	506	614
Utah	9	14	12	9	16	21	13	14	22	28
Virginia	1	2	2	5	2	2	2	1	1	2
West Virginia	12	15	14	14	14	18	13	16	15	17
Wyoming	24	39	38	32	41	55	40	54	74	78
Other	0	1	1	0	0	2	1	1	0	1
<b>TOTAL U.S.</b>	<b>779</b>	<b>943</b>	<b>827</b>	<b>625</b>	<b>918</b>	<b>1,156</b>	<b>830</b>	<b>1,032</b>	<b>1,192</b>	<b>1,381</b>
<b>ONSHORE</b>	<b>669</b>	<b>820</b>	<b>703</b>	<b>517</b>	<b>779</b>	<b>1,002</b>	<b>716</b>	<b>923</b>	<b>1,095</b>	<b>1,287</b>
<b>OFFSHORE</b>	<b>110</b>	<b>123</b>	<b>124</b>	<b>107</b>	<b>139</b>	<b>154</b>	<b>114</b>	<b>109</b>	<b>97</b>	<b>94</b>

Source: Baker-Hughes

# NEW-FIELD WILDCAT WELLS DRILLED

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	35	28	18	19	17	19	16	17	22	17
Alaska	10	11	12	5	8	10	10	9	8	0
Arizona	0	3	7	0	0	0	10	9	8	4
Arkansas	14	22	15	13	13	18	10	10	20	13
California	38	35	22	32	42	42	29	26	31	30
Colorado	72	77	60	49	42	71	40	49	64	136
Florida	0	0	0	0	0	0	0	0	0	2
Georgia	0	0	1	0	0	1	0	0	0	0
Illinois	29	57	23	13	20	36	17	33	31	33
Indiana	34	28	9	7	5	19	10	17	20	20
Iowa	0	0	0	0	0	1	0	0	0	0
Kansas	181	188	120	82	147	215	155	160	180	227
Kentucky	39	34	18	16	26	87	84	123	151	124
Louisiana	86	95	80	76	83	63	74	61	59	59
Maryland	0	0	0	0	0	0	0	0	0	0
Michigan	42	57	40	22	20	19	24	19	23	17
Mississippi	32	31	29	29	25	28	38	33	29	33
Missouri	1	1	1	3	1	3	2	0	0	0
Montana	56	69	67	45	56	90	95	121	159	168
Nebraska	15	23	14	9	15	12	14	15	16	18
Nevada	18	10	6	1	3	3	2	3	3	5
New Mexico	48	48	40	38	44	58	32	61	77	45
New York	3	1	9	16	22	39	35	25	47	21
North Carolina	0	0	2	0	0	0	0	0	0	0
North Dakota	71	49	28	16	19	19	9	4	25	45
Ohio	26	9	21	1	0	5	6	4	2	13
Oklahoma	78	100	63	57	65	102	69	97	102	110
Oregon	0	0	1	0	0	0	0	0	0	0
Pennsylvania	0	2	2	5	4	23	15	37	67	142
South Dakota	5	8	5	1	1	1	6	5	1	6
Tennessee	9	4	4	8	9	11	23	42	25	33
Texas	428	538	581	453	517	432	345	434	476	464
Utah	32	15	23	15	6	20	30	12	22	32
Virginia	0	1	0	1	7	4	8	7	1	2
Washington	1	1	1	1	1	1	0	0	0	0
West Virginia	0	1	3	5	10	32	29	18	28	23
Wyoming	82	155	107	89	77	78	74	85	86	80
Federal Offshore	48	61	54	66	106	106	70	83	81	158
<b>TOTAL U.S.</b>	<b>1,533</b>	<b>1,762</b>	<b>1,487</b>	<b>1,193</b>	<b>1,411</b>	<b>1,668</b>	<b>1,372</b>	<b>1,610</b>	<b>1,857</b>	<b>1,936</b>

Source: IHS

Note: Data include oil wells, gas wells, and dry holes and may not total due to Federal Offshore data duplication.

## EXPLORATORY WELLS DRILLED

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	46	30	19	20	17	22	17	23	36	27
Alaska	11	12	13	5	8	14	17	11	13	18
Arizona	0	3	7	0	1	0	1	0	1	4
Arkansas	17	24	15	13	14	23	10	12	26	35
California	65	71	66	67	80	90	64	50	60	62
Colorado	115	115	135	104	88	137	57	82	100	204
Florida	0	0	0	0	0	0	0	0	0	2
Georgia	0	0	1	0	0	1	0	0	0	0
Iowa	0	0	0	0	0	1	0	0	0	0
Illinois	82	118	75	37	51	47	33	46	47	45
Indiana	72	69	33	20	10	19	12	37	24	35
Kansas	407	295	190	148	251	400	281	292	345	416
Kentucky	86	80	63	46	58	121	125	173	269	269
Louisiana	92	106	92	85	87	64	83	72	73	70
Maryland	0	0	0	0	0	0	0	0	0	0
Michigan	47	60	44	30	23	25	30	23	27	23
Mississippi	53	43	30	31	33	33	43	41	33	44
Missouri	1	1	1	3	1	3	2	0	0	0
Montana	70	106	119	65	100	177	156	187	248	287
Nebraska	27	38	18	17	30	19	17	22	18	29
Nevada	19	11	7	1	3	4	2	3	3	5
New Mexico	123	143	128	104	95	115	75	98	103	94
New York	6	4	11	18	26	46	38	32	59	27
North Carolina	0	0	2	0	0	0	0	0	0	0
North Dakota	143	132	88	41	51	52	22	23	53	73
Ohio	108	83	55	25	26	35	27	22	24	38
Oklahoma	149	153	86	67	103	188	109	209	251	276
Oregon	1	0	2	5	0	0	0	0	0	0
Pennsylvania	3	2	7	13	10	31	29	70	206	436
South Dakota	9	11	7	2	1	2	6	5	4	7
Tennessee	17	16	11	12	21	16	26	54	56	71
Texas	1,179	1,228	1,033	789	848	1,000	706	786	762	732
Utah	54	35	45	23	19	72	41	35	47	68
Virginia	0	1	1	1	9	5	14	10	2	6
Washington	1	1	1	1	0	1	0	0	0	0
West Virginia	1	8	11	18	28	76	88	41	144	196
Wyoming	109	195	180	143	142	178	151	143	126	130
Federal Offshore	49	62	74	78	106	106	70	83	81	166
<b>TOTAL U.S.</b>	<b>3,162</b>	<b>3,266</b>	<b>2,670</b>	<b>2,032</b>	<b>2,340</b>	<b>3,123</b>	<b>2,352</b>	<b>2,685</b>	<b>3,241</b>	<b>3,729</b>

Source: IHS

Note: Data include oil wells, gas wells, and dry holes and may not total due to Federal Offshore data duplication.

# DEVELOPMENT WELLS DRILLED

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	227	94	168	205	152	346	246	371	405	416
Alaska	176	158	200	94	128	164	179	165	193	155
Arizona	0	0	0	1	0	0	0	0	0	0
Arkansas	165	215	177	136	155	227	144	216	278	299
California	1,681	2,431	2,134	1,478	2,113	2,181	1,925	1,928	2,161	2,234
Colorado	389	677	720	636	955	1,392	1,332	1,511	1,892	2,506
Florida	3	4	1	0	4	0	1	0	0	1
Illinois	334	456	339	213	328	367	289	308	277	379
Indiana	72	76	55	34	53	117	81	145	125	128
Kansas	1,137	1,414	728	497	911	1,099	902	1,339	1,542	1,867
Kentucky	621	685	587	601	729	865	891	752	573	680
Louisiana	1,079	1,249	1,098	757	1,031	1,217	790	1,003	1,188	1,381
Maryland	0	0	0	1	0	0	0	0	0	0
Michigan	612	610	540	298	374	414	337	353	403	505
Mississippi	118	151	159	86	192	242	168	240	237	255
Missouri	10	1	1	5	14	6	0	1	0	0
Montana	126	345	242	383	418	406	388	644	504	682
Nebraska	19	44	14	3	11	13	14	16	32	46
Nevada	2	4	4	1	1	3	2	0	0	0
New Mexico	998	1,169	1,097	935	1,461	1,574	1,200	1,526	1,686	1,812
New York	108	60	54	69	70	77	54	46	77	133
North Dakota	121	186	145	42	121	158	154	199	168	227
Ohio	625	697	517	495	547	690	493	493	525	539
Oklahoma	1,476	2,172	1,847	1,582	2,176	2,982	2,351	2,783	2,884	3,248
Oregon	0	0	5	5	0	0	0	0	0	0
Pennsylvania	1,111	1,245	1,502	1,362	1,591	2,232	2,183	2,505	2,290	2,908
South Dakota	11	6	3	4	10	9	6	3	8	34
Tennessee	56	67	98	109	165	103	81	198	146	163
Texas	7,071	9,276	7,012	4,697	6,931	8,052	6,534	8,592	9,522	10,800
Utah	240	376	455	237	414	549	383	381	554	709
Virginia	168	263	221	278	245	304	291	358	361	318
Washington	0	0	0	0	0	0	0	0	2	0
West Virginia	584	709	764	670	653	887	870	974	1,081	1,212
Wyoming	567	1,025	1,075	2,438	4,744	5,331	3,045	2,768	3,717	4,330
Federal Offshore	911	1,035	893	794	939	952	612	630	615	551
<b>TOTAL U.S.</b>	<b>20,024</b>	<b>25,987</b>	<b>22,076</b>	<b>18,506</b>	<b>26,843</b>	<b>32,184</b>	<b>25,454</b>	<b>29,923</b>	<b>32,945</b>	<b>37,967</b>

Source: IHS

Note: Data include oil wells, gas wells, and dry holes and may not total due to Federal Offshore data duplication.

# TOTAL WELLS DRILLED

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	273	124	187	225	169	368	263	394	441	443
Alaska	187	170	213	99	136	178	196	176	206	173
Arizona	0	3	7	1	1	0	1	0	1	4
Arkansas	182	239	192	149	169	250	154	228	304	334
California	1,746	2,502	2,200	1,545	2,193	2,271	1,989	1,978	2,221	2,296
Colorado	504	792	855	740	1,043	1,529	1,389	1,593	1,992	2,710
Florida	3	4	1	0	4	0	1	0	0	3
Georgia	0	0	1	0	0	1	0	0	0	0
Illinois	416	574	414	250	379	414	322	354	324	424
Indiana	144	145	88	54	63	136	93	182	149	163
Iowa	0	0	0	0	0	1	0	0	0	0
Kansas	1,544	1,709	918	645	1,162	1,499	1,183	1,631	1,887	2,283
Kentucky	707	765	650	647	787	986	1,016	925	842	949
Louisiana	1,171	1,355	1,190	842	1,118	1,281	873	1,075	1,261	1,451
Maryland	0	0	0	1	0	0	0	0	0	0
Michigan	659	670	584	328	397	439	367	376	430	528
Mississippi	171	194	189	117	225	275	211	281	270	299
Missouri	11	2	2	8	15	9	2	1	0	0
Montana	196	451	361	448	518	583	544	831	752	969
Nebraska	46	82	32	20	41	32	31	38	50	75
Nevada	21	15	11	2	4	7	4	3	3	5
New Mexico	1,121	1,312	1,225	1,039	1,556	1,689	1,275	1,624	1,789	1,906
New York	114	64	65	87	96	123	92	78	136	160
North Carolina	0	0	2	0	0	0	0	0	0	0
North Dakota	264	318	233	83	172	210	176	222	221	300
Ohio	733	780	572	520	573	725	520	515	549	577
Oklahoma	1,625	2,325	1,933	1,649	2,279	3,170	2,460	2,992	3,135	3,524
Oregon	1	0	7	10	0	0	0	0	0	0
Pennsylvania	1,114	1,247	1,509	1,375	1,601	2,263	2,212	2,575	2,496	3,344
South Dakota	20	17	10	6	11	11	12	8	12	41
Tennessee	73	83	109	121	186	119	107	252	202	234
Texas	8,250	10,514	8,045	5,486	7,779	9,052	7,240	9,378	10,284	11,532
Utah	294	411	500	260	433	621	424	416	601	777
Virginia	168	264	222	279	254	309	305	368	363	324
Washington	1	1	1	1	0	1	0	0	2	0
West Virginia	585	717	775	688	681	963	958	1,015	1,225	1,408
Wyoming	676	1,220	1,255	2,581	4,886	5,509	3,196	2,911	3,843	4,460
Federal Offshore	1,089	1,237	1,078	971	1,135	1,158	758	807	786	716
<b>TOTAL U.S.</b>	<b>24,109</b>	<b>30,306</b>	<b>25,636</b>	<b>21,277</b>	<b>30,066</b>	<b>36,182</b>	<b>28,374</b>	<b>33,227</b>	<b>36,777</b>	<b>41,696</b>

Source: IHS

Note: Data include oil wells, gas wells, and dry holes and may not total due to Federal Offshore data duplication.

# PRODUCING CRUDE WELLS

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	568	564	549	521	502	494	481	485	502	557
Alaska	2,226	2,229	2,349	2,256	2,243	2,304	2,310	2,283	2,384	2,505
Arizona	24	27	29	30	28	27	24	24	21	23
Arkansas	2,660	2,553	2,352	2,167	2,244	5,498	4,385	2,718	2,143	2,138
California	44,515	45,731	46,267	45,293	46,654	47,148	46,811	47,060	47,666	48,239
Colorado	5,551	5,519	5,370	5,305	5,400	5,322	5,272	5,133	5,140	5,088
Florida	102	107	99	88	79	73	72	96	67	76
Kansas	49,083	47,594	45,683	42,539	42,358	41,774	41,629	41,261	40,167	40,024
Louisiana	20,829	20,199	19,290	18,300	19,604	18,530	17,996	17,991	17,569	17,463
Michigan	928	958	2,519	2,631	3,688	3,845	3,672	3,790	3,761	3,887
Mississippi	1,805	1,854	1,796	1,715	1,742	1,768	1,616	1,664	1,685	1,647
Montana	3,766	3,823	3,735	3,617	3,741	4,409	3,662	3,713	3,918	4,052
Nebraska	1,553	1,493	1,424	1,269	1,270	1,250	1,224	1,222	1,224	1,211
Nevada	74	80	75	70	69	69	71	71	68	71
New Mexico	18,141	18,452	18,517	18,189	18,809	19,512	19,420	19,652	20,034	20,553
New York	NA	NA	NA	NA	NA	10	NA	2,417	2,406	2,053
North Dakota	3,518	3,572	3,483	3,391	3,418	3,481	4,224	3,519	3,779	3,506
Ohio	17,254	16,866	16,222	15,443	16,760	17,277	17,529	17,165	17,147	17,436
Oklahoma	70,844	69,172	66,986	64,254	61,074	60,923	58,088	53,530	52,326	51,869
South Dakota	149	157	148	143	144	144	143	143	145	162
Texas	180,854	179,250	175,147	166,711	163,487	161,943	158,410	154,932	152,693	152,045
Utah	2,158	2,242	2,201	2,112	2,142	2,201	2,163	2,217	2,433	2,685
West Virginia	1,804	2,041	1,895	1,558	1,263	1,708	2,188	1,469	2,099	2,115
Wyoming	12,358	12,096	11,775	11,599	11,910	11,921	11,716	11,688	11,743	12,147
Federal Offshore	4,605	4,571	4,405	4,256	4,240	4,235	4,127	3,957	3,840	3,631
<b>TOTAL U.S.</b>	<b>445,369</b>	<b>441,150</b>	<b>432,316</b>	<b>413,457</b>	<b>412,869</b>	<b>415,866</b>	<b>407,233</b>	<b>398,200</b>	<b>394,960</b>	<b>395,183</b>

Source: IHS. Data not available for certain states.

## PRODUCING NATURAL GAS WELLS

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	3,453	3,362	3,469	3,497	3,698	3,891	4,130	4,460	4,784	5,122
Arizona	7	8	7	7	7	7	8	6	7	4
Arkansas	3,060	3,068	3,117	3,073	3,336	3,454	3,510	3,704	3,959	4,298
California	1,367	1,447	1,287	1,309	1,359	1,484	1,416	1,467	1,497	1,579
Colorado	12,790	13,342	13,541	16,040	16,824	18,137	19,280	20,821	22,693	25,570
Kansas	15,344	15,757	15,789	15,781	18,069	16,684	17,827	16,998	17,740	18,417
Kentucky	NA	9,045	9,598	9,859	10,225	10,541	11,038	11,510	12,298	11,754
Louisiana	13,942	13,862	13,931	13,889	13,907	8,405	8,250	8,367	8,734	9,385
Michigan	5,707	6,237	6,992	7,152	7,234	7,642	7,957	8,282	8,524	9,009
Mississippi	622	640	648	665	765	913	992	1,151	1,284	1,469
Montana	3,219	3,389	3,531	3,862	4,115	4,419	4,603	4,864	5,299	5,716
Nebraska	80	90	100	108	99	102	104	108	112	115
New Mexico	20,638	21,010	21,512	22,225	23,213	24,506	25,454	26,687	28,160	29,723
New York	5,726	5,601	5,638	5,722	5,713	6,120	5,544	6,517	6,707	6,661
North Dakota	84	87	83	82	92	100	97	111	133	208
Ohio	22,608	22,568	21,619	20,661	22,011	22,585	22,426	22,613	22,212	22,151
Oklahoma	23,417	24,094	24,633	25,200	26,297	27,829	29,077	30,551	32,214	34,081
Oregon	21	20	20	21	18	18	16	16	16	14
South Dakota	59	58	56	56	58	58	58	58	60	60
Texas	55,816	57,692	59,072	59,760	61,388	64,760	66,747	70,056	74,550	79,879
Utah	1,427	1,591	1,812	2,060	2,353	2,792	3,118	3,392	3,715	4,171
West Virginia	38,040	38,283	40,298	39,429	29,977	39,465	40,846	39,763	41,309	44,172
Wyoming	4,816	5,467	6,119	7,470	11,115	15,705	19,269	21,099	23,749	26,475
Federal Offshore	4,773	4,789	4,645	4,606	4,628	4,672	4,374	4,277	4,137	3,878
<b>TOTAL U.S.</b>	<b>237,016</b>	<b>251,507</b>	<b>257,517</b>	<b>262,534</b>	<b>266,501</b>	<b>284,289</b>	<b>296,141</b>	<b>306,878</b>	<b>323,893</b>	<b>344,095</b>

Source: IHS. Data not available for certain states.



# CRUDE OIL PRODUCTION

(thous. bbls.)	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Alabama</b>	9,917	8,787	7,453	6,406	5,983	5,415	5,163	4,970	4,662	5,197
<b>Alaska</b>	510,767	472,957	429,232	383,199	355,149	351,466	359,496	362,371	335,740	335,740
<b>Arizona</b>	81	79	74	62	55	58	61	45	50	48
<b>Arkansas</b>	8,222	7,878	7,093	6,187	6,454	6,873	6,470	6,586	5,845	5,388
<b>California</b>	282,730	285,047	284,232	273,222	271,027	260,545	255,195	247,393	239,485	228,811
<b>Colorado</b>	19,207	17,990	16,668	13,971	13,884	13,209	12,771	12,682	12,014	11,764
<b>Florida</b>	6,169	6,262	5,938	4,888	4,624	4,406	3,644	3,263	2,875	2,585
<b>Illinois</b>	13,541	13,514	12,807	11,274	10,906	10,198	11,127	11,707	10,699	8,899
<b>Indiana</b>	2,482	2,399	2,179	1,962	2,035	2,073	1,969	1,870	1,729	1,595
<b>Kansas</b>	42,825	41,211	36,644	34,084	34,238	33,957	33,056	33,711	33,802	33,897
<b>Kentucky</b>	1,687	1,587	1,372	1,459	1,545	1,490	1,381	1,347	1,210	1,215
<b>Louisiana</b>	95,014	94,694	90,606	80,263	75,860	71,204	60,626	58,658	56,983	50,835
<b>Michigan</b>	6,811	6,395	7,360	6,846	7,502	7,070	6,583	6,230	5,763	5,744
<b>Mississippi</b>	18,429	19,648	19,620	16,389	18,564	18,040	16,781	15,678	15,635	16,402
<b>Montana</b>	16,307	16,254	16,688	15,346	15,719	16,172	16,940	19,309	24,674	32,655
<b>Nebraska</b>	3,536	3,315	3,166	2,666	2,953	2,911	2,746	2,810	2,520	2,405
<b>Nevada</b>	1,062	974	799	706	621	571	553	492	463	446
<b>New Mexico</b>	68,726	67,926	63,591	59,667	61,659	60,957	58,293	57,004	56,723	54,530
<b>New York</b>	0	0	0	0	0	0	0	94	110	92
<b>North Dakota</b>	31,746	35,334	35,071	32,360	32,042	30,653	29,876	28,413	30,142	34,092
<b>Ohio</b>	5,781	5,842	5,163	4,563	4,935	5,532	4,917	4,521	4,264	4,250
<b>Oklahoma</b>	77,788	75,990	71,992	65,297	62,930	61,248	58,543	56,770	54,899	52,288
<b>Oregon</b>	0	0	0	0	0	0	0	0	0	0
<b>South Dakota</b>	1,257	1,335	1,208	1,100	1,162	1,246	1,209	1,239	1,356	1,415
<b>Texas</b>	499,768	490,861	459,255	408,993	400,930	380,943	365,891	359,907	351,459	347,614
<b>Utah</b>	16,908	17,085	17,042	14,560	14,156	13,913	12,610	12,089	13,718	15,298
<b>West Virginia</b>	704	691	627	533	538	706	571	768	586	676
<b>Wyoming</b>	66,324	64,279	58,893	52,901	52,987	48,963	46,020	43,174	41,689	41,452
<b>Federal Offshore</b>	371,851	394,332	415,456	454,621	470,192	473,252	496,663	505,364	476,795	427,167
<b>TOTAL U.S.</b>	<b>2,179,642</b>	<b>2,152,667</b>	<b>2,070,229</b>	<b>1,953,524</b>	<b>1,928,649</b>	<b>1,883,071</b>	<b>1,869,155</b>	<b>1,858,465</b>	<b>1,785,890</b>	<b>1,700,805</b>
<b>DAILY AVG.</b>	<b>6,465</b>	<b>6,452</b>	<b>6,252</b>	<b>5,881</b>	<b>5,822</b>	<b>5,801</b>	<b>5,746</b>	<b>5,681</b>	<b>5,419</b>	<b>5,178</b>

Source: IHS & EIA.

Notes: Daily Average derived from EIA data.

# NATURAL GAS PRODUCTION

(MMcf)	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Alabama</b>	420,998	427,006	428,112	415,442	396,775	381,831	370,977	355,701	324,437	301,634
<b>Arizona</b>	417	397	404	333	281	239	236	183	218	154
<b>Arkansas</b>	163,271	166,023	152,174	146,407	149,085	149,662	147,897	153,236	170,222	182,452
<b>California</b>	78,885	76,204	78,588	90,546	86,347	89,748	78,277	83,695	75,362	81,952
<b>Colorado</b>	552,390	616,398	673,310	706,407	758,839	803,229	912,289	997,085	1,062,396	1,120,614
<b>Kansas</b>	731,761	690,603	612,428	574,048	528,307	490,685	464,540	431,149	405,594	386,067
<b>Kentucky</b>	0	70,077	72,949	75,096	76,073	77,031	81,344	83,452	85,668	79,419
<b>Louisiana</b>	1,502,932	1,448,720	1,387,931	1,310,820	1,322,815	1,371,071	1,261,846	1,252,126	1,266,290	1,219,382
<b>Michigan</b>	235,111	244,858	247,144	227,506	215,038	203,038	192,482	178,082	170,023	161,614
<b>Mississippi</b>	116,089	119,636	119,764	120,227	110,869	132,500	142,950	157,847	170,157	183,103
<b>Montana</b>	45,249	48,585	52,105	55,197	64,740	74,416	79,235	78,092	87,046	91,456
<b>Nebraska</b>	1,307	1,114	1,209	1,021	861	871	894	1,183	1,217	939
<b>New Mexico</b>	1,320,823	1,352,312	1,400,987	1,454,198	1,461,998	1,466,020	1,412,648	1,375,603	1,372,580	1,358,029
<b>New York</b>	18,625	16,822	17,034	17,148	18,476	30,181	36,252	35,725	45,785	53,535
<b>North Dakota</b>	13,926	16,023	16,108	13,732	12,896	14,744	14,485	12,823	13,329	13,150
<b>Ohio</b>	92,133	86,329	87,785	74,411	74,125	72,225	70,426	68,428	66,562	60,451
<b>Oklahoma</b>	1,503,475	1,474,597	1,417,037	1,393,706	1,433,317	1,448,236	1,396,439	1,412,925	1,446,878	1,486,872
<b>Oregon</b>	1,743	1,381	1,263	1,555	1,596	1,115	840	734	468	457
<b>South Dakota</b>	905	689	760	685	598	538	510	523	509	428
<b>Texas</b>	4,770,629	4,819,180	4,854,011	4,715,593	4,869,777	4,940,417	4,886,656	4,962,056	5,072,699	5,319,815
<b>Utah</b>	234,250	230,900	253,950	239,524	244,989	265,032	260,714	257,510	264,789	281,368
<b>West Virginia</b>	180,674	168,619	172,312	218,565	161,940	190,798	194,328	183,091	195,084	215,145
<b>Wyoming</b>	954,271	1,000,235	1,045,758	1,118,077	1,266,885	1,390,353	1,539,308	1,636,903	1,735,410	1,839,625
<b>Fed. Offshore</b>	4,531,605	4,576,487	4,406,420	4,316,714	4,177,882	4,278,528	3,829,757	3,715,894	3,355,752	2,594,879
<b>TOTAL U.S.</b>	<b>17,471,470</b>	<b>17,653,194</b>	<b>17,499,544</b>	<b>17,286,958</b>	<b>17,434,509</b>	<b>17,872,507</b>	<b>17,375,334</b>	<b>17,434,045</b>	<b>17,388,474</b>	<b>17,250,875</b>

Source: IHS. Data not available for certain states.

## PRODUCING MARGINAL OIL WELLS

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Alabama</b>	306	317	317	307	295	305	300	304	320	387
<b>Alaska</b>	110	90	128	95	101	136	145	151	140	144
<b>Arizona</b>	21	24	26	27	25	24	22	23	19	22
<b>Arkansas</b>	2,191	2,107	1,920	1,871	2,002	5,334	4,141	2,427	1,910	1,925
<b>California</b>	27,890	28,720	29,484	28,803	30,194	31,274	31,314	31,770	33,010	34,338
<b>Colorado</b>	4,598	4,594	4,461	4,437	4,504	4,454	4,455	4,344	4,384	4,334
<b>Florida</b>	12	16	12	11	9	7	13	33	11	15
<b>Illinois</b>	6,677	6,414	5,848	5,463	5,500	5,102	5,166	5,107	5,148	4,964
<b>Indiana</b>	1,394	1,344	1,212	1,124	1,142	1,114	1,108	1,043	1,051	995
<b>Kansas</b>	48,210	46,631	44,914	41,825	41,716	41,141	40,933	40,607	39,386	39,250
<b>Kentucky</b>	1,334	1,274	1,107	1,078	1,060	1,034	995	981	965	947
<b>Louisiana</b>	17,209	16,699	15,633	15,205	14,894	15,737	15,377	15,587	15,129	15,288
<b>Michigan</b>	561	594	2,120	2,240	3,306	3,520	3,386	3,502	3,508	3,665
<b>Mississippi</b>	906	926	948	919	864	867	793	822	850	883
<b>Montana</b>	2,795	2,846	2,786	2,733	2,810	3,465	2,714	2,731	2,817	2,853
<b>Nebraska</b>	1,472	1,397	1,335	1,199	1,190	1,172	1,154	1,140	1,177	1,157
<b>Nevada</b>	36	42	39	32	35	38	39	42	40	45
<b>New Mexico</b>	14,574	14,774	14,954	14,727	15,324	15,893	15,916	16,181	16,602	17,114
<b>New York</b>	NA	NA	NA	NA	NA	NA	NA	2,249	2,164	1,966
<b>North Dakota</b>	2,089	2,119	2,053	2,019	2,035	2,085	2,819	2,163	2,412	2,164
<b>Ohio</b>	15,435	14,922	14,035	13,809	14,812	15,251	15,762	15,162	15,308	15,360
<b>Oklahoma</b>	66,015	64,411	61,599	59,045	56,384	56,346	53,846	49,700	48,542	47,937
<b>South Dakota</b>	53	58	58	57	57	54	52	61	64	75
<b>Texas</b>	158,891	156,915	153,113	145,466	146,200	145,415	142,031	139,807	138,498	138,295
<b>Utah</b>	1,186	1,263	1,252	1,288	1,315	1,360	1,421	1,442	1,582	1,756
<b>West Virginia</b>	1,673	1,909	1,787	1,456	1,143	1,544	2,016	1,201	1,722	1,480
<b>Wyoming</b>	9,303	9,046	9,020	8,997	9,248	9,360	9,237	9,355	9,473	9,911
<b>Federal Offshore</b>	645	691	677	599	630	669	707	640	644	751
<b>TOTAL U.S.</b>	<b>385,586</b>	<b>380,143</b>	<b>370,838</b>	<b>354,832</b>	<b>356,795</b>	<b>362,701</b>	<b>355,862</b>	<b>348,575</b>	<b>346,876</b>	<b>348,021</b>

Source: IHS

Notes: A marginal oil well is defined as a well producing 15 barrels/day or less.

# MARGINAL OIL WELL PRODUCTION

(thous. bbls.)	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	717	759	731	709	703	748	752	754	740	809
Alaska	212	136	257	176	185	252	288	243	264	193
Arizona	40	40	40	30	30	39	34	32	24	37
Arkansas	2,999	3,068	2,667	2,910	3,103	4,095	3,212	2,881	3,042	3,046
California	57,058	59,565	59,951	58,766	62,439	63,431	62,603	62,889	64,825	66,663
Colorado	4,075	4,083	3,831	3,591	3,768	3,881	4,212	4,199	4,188	4,028
Florida	37	31	23	20	23	20	35	46	27	25
Illinois	6,885	6,499	5,884	5,507	5,551	5,068	5,227	5,267	5,104	4,249
Indiana	1,417	1,386	1,255	1,149	1,186	1,178	1,102	1,063	1,020	916
Kansas	31,463	30,527	27,114	26,276	25,835	25,504	25,250	25,016	24,607	24,541
Kentucky	992	912	847	793	804	799	753	698	701	677
Louisiana	12,995	12,912	11,562	10,702	10,617	10,342	10,043	9,773	9,547	10,029
Michigan	1,209	1,205	1,753	1,769	3,304	3,460	3,367	3,374	3,427	3,443
Mississippi	2,147	2,134	2,176	1,913	1,997	1,994	1,855	1,966	2,010	2,121
Montana	3,223	3,362	3,331	3,223	3,413	3,457	3,344	3,350	3,352	3,508
Nebraska	2,827	2,518	2,228	2,010	1,981	1,857	1,826	1,777	1,842	1,711
Nevada	67	77	84	60	71	89	92	90	91	103
New Mexico	19,761	19,957	19,876	19,574	20,064	20,549	20,516	20,825	21,045	21,788
New York	NA	NA	NA	NA	NA	NA	NA	94	110	92
North Dakota	4,843	4,791	4,459	4,318	4,572	4,658	4,648	4,815	4,531	4,601
Ohio	4,818	4,383	3,918	3,692	4,042	4,364	4,152	3,871	3,669	3,716
Oklahoma	50,573	48,470	44,715	41,612	41,413	41,037	39,526	37,636	36,618	34,834
South Dakota	165	175	172	164	198	194	166	208	217	229
Texas	165,647	165,124	157,315	150,271	153,498	151,564	147,152	145,505	142,581	142,740
Utah	2,507	2,743	2,682	2,743	2,872	2,875	3,010	3,110	3,391	3,908
West Virginia	383	428	402	317	330	351	370	343	384	422
Wyoming	14,148	14,181	13,752	13,494	13,785	13,611	13,344	13,383	13,289	13,448
Federal Offshore	1,406	1,557	1,578	1,351	1,398	1,576	1,675	1,527	1,520	1,878
TOTAL U.S.	392,614	391,023	372,603	357,140	367,182	366,993	358,554	354,735	352,166	353,755

Source: IHS

Notes: Totals may not add due to rounding.

# PRODUCING MARGINAL NATURAL GAS WELLS

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Alabama</b>	1,919	1,777	1,834	1,928	2,199	2,403	2,590	2,889	3,187	3,639
<b>Arizona</b>	2	3	2	3	3	3	5	2	2	2
<b>Arkansas</b>	1,689	1,709	1,827	1,814	2,030	2,155	2,216	2,387	2,526	2,750
<b>California</b>	635	693	580	617	677	667	681	683	706	765
<b>Colorado</b>	7,698	8,091	8,034	12,459	12,674	13,360	13,742	14,725	16,097	18,525
<b>Kansas</b>	7,010	7,379	7,894	8,320	8,948	9,863	10,657	11,858	13,417	15,038
<b>Kentucky</b>	NA	8,881	9,444	9,684	10,074	10,405	10,868	11,329	12,129	11,616
<b>Louisiana</b>	10,092	9,926	10,056	10,055	10,023	4,339	4,168	4,220	4,327	4,646
<b>Michigan</b>	511	482	562	563	609	737	821	892	956	1,039
<b>Mississippi</b>	286	286	290	296	388	447	506	684	806	932
<b>Montana</b>	2,938	3,086	3,206	3,447	3,636	3,854	4,002	4,262	4,536	4,790
<b>Nebraska</b>	75	84	85	87	87	89	92	95	98	101
<b>New Mexico</b>	12,902	12,996	13,159	13,374	14,006	14,847	15,598	16,482	17,650	19,194
<b>New York</b>	5,661	5,550	5,564	5,653	5,645	6,041	5,487	6,155	6,416	6,426
<b>North Dakota</b>	67	67	67	65	68	69	65	78	82	144
<b>Ohio</b>	22,017	21,958	20,976	20,048	21,400	22,082	21,917	22,096	21,689	21,573
<b>Oklahoma</b>	13,036	13,611	14,318	15,054	16,118	17,462	18,785	20,134	21,455	23,151
<b>Oregon</b>	11	12	12	12	10	9	9	10	11	11
<b>South Dakota</b>	53	55	54	54	56	58	57	57	59	60
<b>Texas</b>	32,476	33,799	34,688	35,811	36,844	39,069	40,295	42,002	44,656	47,307
<b>Utah</b>	618	745	854	976	1,055	1,270	1,459	1,648	1,804	2,107
<b>West Virginia</b>	37,335	37,601	39,699	38,724	29,366	38,704	40,053	38,844	40,452	43,242
<b>Wyoming</b>	1,398	1,706	1,959	2,807	4,671	7,160	9,587	11,139	13,474	15,513
<b>Federal Offshore</b>	11	22	20	26	28	30	32	40	26	11
<b>TOTAL U.S.*</b>	<b>158,440</b>	<b>170,519</b>	<b>175,184</b>	<b>181,877</b>	<b>180,615</b>	<b>195,123</b>	<b>203,692</b>	<b>212,711</b>	<b>226,561</b>	<b>243,465</b>

Source: IHS

Notes: A marginal natural gas well is defined as a well producing 90 thousand cubic feet per day or less.

\*Row may not total because it includes Pacific Coastal wells

# MARGINAL NATURAL GAS PRODUCTION

(Mmcf)	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	27,295	26,995	28,068	30,121	33,921	37,297	39,807	44,565	47,877	53,488
Arizona	12	37	4	35	25	4	60	37	28	30
Arkansas	22,501	23,251	24,862	25,602	28,215	28,948	30,432	32,364	33,641	36,326
California	8,045	9,158	7,406	7,896	7,831	8,547	8,441	8,642	8,986	9,566
Colorado	101,408	103,071	100,311	126,128	129,869	141,830	153,960	172,625	195,674	219,087
Kansas	95,386	99,001	111,463	118,887	129,410	146,535	158,854	178,136	201,997	222,426
Kentucky		62,931	66,065	67,591	69,400	71,156	74,072	75,513	78,805	73,076
Louisiana	40,242	39,208	40,645	39,732	40,557	38,425	38,934	39,254	40,083	43,650
Michigan	7,460	7,392	8,467	8,766	9,283	10,538	11,686	12,851	13,559	14,376
Mississippi	4,130	3,965	4,112	4,282	5,837	7,077	8,684	11,210	12,783	13,015
Montana	24,085	26,496	27,769	28,823	30,391	32,251	35,138	37,128	37,963	40,661
Nebraska	1,164	1,078	1,040	908	744	743	755	793	784	700
New Mexico	166,299	167,044	167,586	173,320	181,395	189,490	198,823	210,356	229,209	247,151
New York	15,047	14,494	13,726	12,800	12,181	12,340	10,976	11,002	10,874	10,842
North Dakota	378	367	451	432	430	429	478	663	731	1,376
Ohio	67,855	64,888	61,082	54,295	56,226	57,397	57,026	55,378	53,812	50,307
Oklahoma	170,673	178,628	186,744	195,208	211,217	225,276	239,475	256,811	269,245	286,833
Oregon	98	123	68	125	154	79	112	113	117	138
South Dakota	678	581	668	600	523	538	473	483	466	428
Texas	370,532	387,382	400,261	410,614	421,242	445,495	456,406	479,643	509,051	538,896
Utah	9,388	11,302	12,728	14,089	15,922	19,724	21,985	25,297	27,683	30,898
West Virginia	155,441	143,483	151,707	159,474	126,932	157,127	162,879	152,036	161,214	175,204
Wyoming	20,041	23,711	27,805	36,222	56,571	87,966	110,593	136,750	158,345	174,046
Federal Offshore	144	300	177	297	341	432	424	472	274	137
<b>TOTAL U.S.*</b>	<b>1,308,336</b>	<b>1,394,886</b>	<b>1,443,215</b>	<b>1,516,247</b>	<b>1,568,617</b>	<b>1,719,644</b>	<b>1,820,473</b>	<b>1,942,122</b>	<b>2,093,201</b>	<b>2,253,603</b>

Sources: IHS

Notes: Totals may not add due to rounding.

\*Row may not total because it includes Pacific Coastal wells.

# COST OF DRILLING AND EQUIPPING WELLS '05

State	No. of Wells Drilled	Footage Drilled	Depth per Well (ft.)	Total Cost	Cost per Well (\$)	Cost per Foot
Alabama	443	1,319,602	2,979	276,019,000	623,068	209.17
Alaska	173	1,109,187	6,411	2,053,889,000	11,872,190	1,851.71
Arizona	4	8,001	2,000	1,487,000	371,750	185.85
Arkansas	334	1,960,767	5,871	259,780,000	777,784	132.49
California	2,296	6,243,557	2,719	1,869,051,000	814,047	299.36
Colorado	2,710	14,857,014	5,482	3,047,658,000	1,124,597	205.13
Florida	3	40,799	13,599	24,538,000	8,179,333	601.44
Illinois	424	955,891	2,254	197,193,000	465,078	206.29
Indiana	163	270,711	1,661	86,748,000	532,196	320.45
Kansas	2,283	6,848,718	3,000	596,041,000	249,251	87.03
Kentucky	949	2,542,137	2,679	290,882,000	306,514	114.42
Louisiana	1,451	13,124,408	9,045	5,259,731,000	3,624,901	400.76
Michigan	528	1,096,504	2,077	452,396,000	856,811	412.58
Mississippi	299	2,179,058	7,288	491,066,000	1,642,361	255.36
Montana	969	4,732,557	4,884	1,807,722,000	1,865,554	381.98
Nebraska	75	316,433	4,219	43,611,000	581,480	137.82
Nevada	5	13,708	2,742	2,808,000	561,600	204.84
New Mexico	1,906	11,045,236	5,795	1,917,735,000	1,006,157	173.63
New York	160	594,725	3,717	167,238,000	1,045,238	281.20
North Dakota	300	2,426,365	8,088	1,210,710,000	4,035,700	498.98
Ohio	577	2,288,020	3,965	210,342,000	364,544	91.93
Oklahoma	3,524	22,377,895	6,350	4,568,633,000	11,296,434	204.16
Pennsylvania	3,344	11,185,707	3,345	946,318,000	282,990	84.61
South Dakota	41	247,217	6,029	125,726,000	3,066,488	508.57
Tennessee	234	503,540	2,152	67,510,000	288,504	134.07
Texas	11,532	90,611,813	7,857	19,368,752,000	1,679,567	213.76
Utah	777	5,715,346	7,356	1,315,057,000	1,692,480	230.09
Virginia	324	983,478	3,035	105,843,000	326,676	107.62
Washington	-	-	-	-	-	-
West Virginia	1,408	5,780,458	4,105	417,063,000	296,210	72.15
Wyoming	4,460	15,213,946	3,411	6,805,593,000	1,525,918	447.33
Federal Offshore	1,432	15,072,678	10,526	29,138,345,000	20,348,006	1,933.19
<b>TOTAL U.S.</b>	<b>42,412</b>	<b>234,129,237</b>	<b>5,520</b>	<b>68,557,042,000</b>	<b>1,616,454</b>	<b>292.82</b>
Exploratory	3,895	24,751,251	6,355	10,821,463,709	2,778,296	437.21
Developmental	38,517	209,377,986	5,437	57,734,578,913	1,498,938	275.74

Sources: IHS

COST OF DRILLING AND EQUIPPING WELLS '05



# CRUDE OIL REVENUES

(thous. \$.)	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	200,720	163,262	90,032	107,044	165,310	125,520	120,763	143,981	180,839	418,677
Alaska	7,824,950	7,018,682	3,635,595	4,828,307	8,438,340	6,449,401	7,020,957	8,664,291	11,136,496	14,890,978
Arizona	1,620	1,440	865	996	1,470	1,266	1,319	1,198	1,843	2,605
Arkansas	153,505	138,495	78,732	98,311	174,129	149,969	139,105	174,990	214,336	322,656
California	4,727,246	4498,042	2,714,416	3,803,250	6,699,787	5,210,900	5,532,628	6,506,436	8,221,520	11,113,988
Colorado	393,167	342,350	209,350	242,676	400,553	327,847	322,979	380,589	485,125	1,263,025
Florida	102,097	122,986	60,746	85,540	134,281	NA	NA	NA	NA	NA
Illinois	282,465	258,253	163,673	195,829	306,895	242,304	265,268	340,674	414,479	522,598
Indiana	51,303	44,933	27,216	33,962	56,797	48,633	46,134	53,071	66,013	81,112
Kansas	876,628	767,761	446,690	582,155	964,142	800,027	780,452	966,831	1,324,362	1,806,486
Kentucky	34,145	28,518	16,011	24,336	40,896	33,570	31,059	36,652	44,552	125,356
Louisiana	1,983,892	1,820,019	1,140,730	1,411,826	2,188,561	1,734,529	1,496,250	1,777,924	2,283,879	4,079,856
Michigan	138,400	119,906	91,190	113,849	210,956	160,418	155,885	181,791	225,564	297,815
Mississippi	349,230	332,837	202,675	252,718	486,934	381,185	371,028	430,518	578,964	877,318
Missouri	2,076	2,124	1,068	1,436	2,695	1,833	2,045	2,169	3,269	4,239
Montana	308,039	276,318	188,241	253,823	437,303	374,544	385,554	553,396	950,689	1,730,144
Nebraska	69,200	60,002	36,409	45,882	82,595	49,865	64,861	80,450	96,818	126,393
Nevada	15,941	14,610	9,005	9,792	14,084	13,544	9,904	12,074	14,807	19,078
New Mexico	1,428,814	1,291,953	785,985	1,041,786	1,775,779	1,387,381	1,405,444	1,682,758	2,226,378	3,205,274
New York*	NA	NA	NA	NA	NA	NA	NA	2,718	4,334	10,764
North Dakota*	617,777	622,938	399,459	540,412	903,264	691,225	721,505	831,649	1,184,581	1,867,871
Ohio*	115,389	103,812	62,989	74,879	135,663	136,530	111,173	127,402	163,183	302,212
Oklahoma	1,602,433	1,447,610	916,458	1,160,328	1,830,004	1,520,175	1,433,718	1,687,204	2,193,215	3,390,468
Oregon	0	0	2	6	0	0	0	0	0	0
Pennsylvania	35,515	24,803	27,039	27,180	43,200	40,208	55,512	71,780	100,200	215,388
South Dakota*	24,587	23,763	14,846	18,546	32,745	27,362	28,968	35,857	52,070	74,405
Tennessee	7,449	6,334	3,226	5,496	9,093	7,708	6,020	8,260	13,162	
Texas	10,150,288	9,159,466	5,639,651	7,075,579	11,466,598	8,917,876	8,697,229	10,484,091	13,633,095	20,395,845
Utah	356,759	317,268	213,366	257,566	403,871	335,164	301,001	349,130	539,803	898,821
Virginia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	13,791	12,134	7,493	8,773	14,591	15,779	12,876	21,550	22,491	84,011
Wyoming	1,297,297	1,119,097	630,155	871,279	1,424,820	1,055,153	1,010,599	1,149,724	1,463,284	2,355,694
<b>TOTAL U.S.</b>	<b>40,236,191</b>	<b>37,090,452</b>	<b>22,503,389</b>	<b>30,396,833</b>	<b>51,533,501</b>	<b>40,822,345</b>	<b>42,074,679</b>	<b>51,219,295</b>	<b>65,667,175</b>	<b>95,034,530</b>

Source: EIA price and production data used in addition to state data when EIA not available. Total does not include Federal OCS.

# NATURAL GAS REVENUES

(thous. \$.)	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	1,103,015	1,140,106	946,128	963,825	1,583,132	1,615,145	1,291,000	2,109,307	2,160,750	2,751,780
Alaska**	774,133	852,326	615,975	634,265	807,831	938,166	986,831	1,180,314	1,613,895	2,314,590
Arizona	688	953	760	693	984	985	614	792	1,116	1,596
Arkansas	623,695	669,073	596,522	600,269	779,715	746,813	655,184	792,230	966,861	1,383,270
California	143,571	183,652	154,818	213,689	415,329	621,954	228,569	421,823	425,795	2,336,396
Colorado	756,774	1,374,568	1,279,289	1,539,967	2,784,939	3,084,399	2,198,616	4,526,766	5,535,083	8,418,829
Florida	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Illinois	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indiana	828	1,147	1,285	1,872	3,155	3,490	4,071	7,920	21,426	28,560
Kansas	1,404,981	1,415,736	1,041,128	1,033,286	1,695,865	1,795,907	1,212,449	1,866,875	2,003,634	2,455,761
Kentucky	NA	1,886,145	174,348	155,449	240,391	368,208	244,845	378,872	450,614	634,718
Louisiana	3,501,832	3,418,979	2,803,621	2,910,020	4,867,959	5,470,573	4,037,907	7,061,991	7,547,088	11,301,539
Maryland	340	263	164	49	128	133	132	216	213	342
Michigan	519,595	536,239	437,445	402,686	524,693	704,542	415,761	714,109	654,589	1,383,894
Mississippi	192,708	206,970	170,065	195,970	365,868	520,725	437,427	809,755	992,015	451,962
Missouri	39	9	NA	NA	NA	NA	NA	NA	NA	NA
Montana	63,801	77,250	79,721	92,731	183,862	232,178	189,372	291,283	392,577	709,021
Nebraska	1,869	1,704	1,572	1,389	1,946	1,881	1,359	3,750	3,919	4,922
New Mexico	2,205,774	2,380,069	2,465,737	3,068,358	5,014,653	5,702,818	3,785,897	6,272,750	6,821,723	11,368,097
New York*	41,161	43,064	43,607	37,040	69,285	150,905	109,844	206,491	319,579	429,300
North Dakota	29,662	34,610	34,471	31,858	50,810	52,046	39,544	45,265	76,375	441,479
Ohio*	242,310	233,088	258,966	180,819	300,948	327,902	318,326	403,725	442,637	754,213
Oklahoma	3,322,680	3,421,065	2,508,155	2,857,097	5,202,941	5,836,391	4,105,531	7,022,237	7,986,767	11,819,425
Oregon	3,939	3,024	3,006	3,919	4,293	4,081	3,335	3,288	1,821	1,930
Pennsylvania	415,800	253,600	387,041	539,826	346,500	446,209	538,098	NA	NA	NA
South Dakota	1,792	1,440	1,877	1,459	2,129	1,840	1,505	2,605	2,794	7,380
Tennessee	4,623	4,310	3,247	3,238	5,031	4,140	6,820	10,701	12,441	21,010
Texas	10,924,740	11,951,566	9,999,263	10,893,020	19,138,224	20,354,518	15,441,833	25,703,450	29,573,835	39,836,828
Utah	325,608	429,474	439,334	462,281	803,564	932,913	518,821	1,058,366	1,387,494	2,156,757
Virginia*	151,469	148,535	126,401	179,756	284,034	329,961	256,232	398,975	NA	NA
West Virginia	551,056	443,468	408,379	653,509	524,686	786,088	668,488	794,615	918,846	1,563,234
Wyoming	2,452,476	242,569	1,861,129	2,202,612	4,231,396	4,852,332	4,156,132	6,760,409	8,607,634	11,245,715
<b>TOTAL U.S.</b>	<b>29,982,141</b>	<b>31,420,431</b>	<b>26,852,256</b>	<b>29,876,317</b>	<b>50,246,100</b>	<b>55,887,242</b>	<b>41,854,540</b>	<b>68,848,881</b>	<b>94,941,068</b>	<b>138,735,606</b>

Source: EIA price and production data used in addition to state data when EIA not available. Total does not include Federal OCS.  
Alaska natural gas is reinjected.

# ABANDONMENTS

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	10	8	2	6	6	3	3	34	29	6
Arizona	0	0	0	0	0	0	0	0	0	0
Arkansas	186	138	97	77	116	43	42	108	69	51
California	1,849	1,919	1,392	1,046	1,615	1,469	2,452	2,501	1,629	1,558
Colorado	334	321	153	120	124	168	119	259	212	147
Illinois	514	518	802	590	647	689	710	659	554	547
Indiana	135	129	133	58	72	93	125	102	80	65
Kansas	1,716	1,765	1,480	2,025	614	1,614	1,722	2,270	1,473	1,225
Kentucky	231	166	233	179	232	202	237	312	263	206
Louisiana	614	785	750	620	605	760	731	1,500	898	584
Michigan	121	153	146	139	139	141	155	177	196	126
Mississippi	86	74	58	83	91	62	109	106	90	55
Missouri	235	251	2	4	12	1	4	12	4	4
Montana	74	45	124	136	178	135	65	169	113	58
Nebraska	112	66	90	66	67	83	100	81	55	54
New Mexico	619	397	206	105	121	203	217	263	752	449
New York	59	79	58	57	36	36	65	115	83	78
North Dakota	33	51	37	26	35	48	38	40	50	44
Ohio	297	335	243	183	211	216	183	500	572	201
Oklahoma	1,740	1,871	1,442	841	922	710	774	1,056	956	619
Pennsylvania	712	640	968	590	300	200	210	328	306	134
South Dakota	0	1	7	2	0	0	2	2	0	0
Tennessee	97	81	77	70	76	45	38	86	50	29
Texas	7,063	5,246	5,110	4,078	4,255	5,126	5,228	6,902	6,718	5,461
Utah	74	20	30	36	16	30	16	17	57	35
Virginia	0	0	0	0	0	0	0	60	45	0
West Virginia	100	100	84	80	78	50	46	327	335	30
Wyoming	12	14	188	10	120	107	228	241	517	211
<b>TOTAL U.S.</b>	<b>17,023</b>	<b>15,173</b>	<b>13,912</b>	<b>11,227</b>	<b>10,688</b>	<b>12,234</b>	<b>13,619</b>	<b>18,219</b>	<b>16,106</b>	<b>11,977</b>

Source: IOGCC

Note: Figures quoted as of January 1 each successive year, 2005 figure includes oil wells only.

# SEVERANCE AND PRODUCTION TAXES

(thous. \$)	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	64,102	67,526	55,078	37,899	68,341	107,024	53,235	92,695	101,184	132,299
Alaska	914,890	788,409	395,500	507,000	759,000	558,772	519,368	1,093,356	750,425	1,060,066
Arizona	5,286	5,952	6,398	6,060	7,026	6,510	8,377	8,377	9,899	10,022
Arkansas	6,027	6,872	4,371	4,616	9,476	9,546	6,608	8,355	9,802	15,078
California	147,100	174,044	157,652	194,606	215,696	239,921	189,306	214,473	188,753	268,796
Colorado	7,555	18,688	19,756	23,327	24,641	54,384	48,914	23,613	107,145	134,050
Florida	6,908	10,441	7,318	4,157	6,046	8,258	5,197	5,469	6,084	8,278
Indiana	616	599	550	502	653	572	567	590	845	1,119
Kansas	68,535	78,531	51,686	120,333	56,900	109,232	59,895	84,212	116,677	148,855
Kentucky	10,673	12,653	11,212	8,452	11,414	20,678	14,610	17,800	22,170	28,630
Louisiana	344,302	380,699	336,293	240,055	354,314	478,805	454,429	480,749	677,320	714,729
Maryland	1	2	1	1	1	2	1	1	1	3
Michigan	36,414	40,961	30,982	30,570	40,012	61,279	35,967	54,651	56,186	66,749
Mississippi	28,225	28,343	25,346	14,518	23,751	11,817	28,201	43,413	62,631	84,409
Montana	42,507	42,482	35,065	28,997	43,770	92,818	50,304	75,454	114,218	180,077
Nebraska	2,149	1,915	1,334	1,017	2,108	1,868	1,455	1,845	2,191	2,926
Nevada	486	283	74	50	62	62	56	248	45	43
New Mexico	271,600	372,600	375,800	227,200	345,300	355,370	479,109	571,862	737,200	926,884
North Dakota	52,000	53,500	39,200	35,402	71,275	66,800	62,300	66,846	73,914	157,500
Ohio	3,738	3,655	3,383	3,327	3,090	2,884	2,799	2,900	2,691	2,615
Oklahoma	324,377	413,576	360,285	253,039	410,412	745,236	417,103	600,980	701,156	875,653
Oregon	204	156	93	98	146	119	145	89	72	78
South Dakota	945	1,178	1,018	730	1,051	1,566	1,239	1,522	1,658	2,507
Tennessee	243	282	213	363	532	380	498	592	592	813
Texas	897,671	1,091,284	926,561	659,396	1,153,086	1,956,108	1,049,054	1,492,743	1,887,879	2,338,380
Utah	13,145	17,217	13,988	11,109	17,313	42,106	20,603	28,689	39,356	57,116
West Virginia	19,199	17,431	16,118	19,161	18,048	34,549	28,382	30,475	41,544	53,557
Wyoming	123,541	152,448	73,754	125,178	567,445	581,532	327,497	370,381	504,731	713,456
<b>TOTAL U.S.</b>	<b>3,392,439</b>	<b>3,781,727</b>	<b>2,949,029</b>	<b>2,557,163</b>	<b>4,210,909</b>	<b>5,548,198</b>	<b>3,863,352</b>	<b>5,372,380</b>	<b>6,216,369</b>	<b>7,984,690</b>

Source: Various state and industry contacts.

Notes: Figures include all state and local tax revenues. States vary on the use of fiscal (Arizona) or calendar year data. West Virginia data switched to FY in 2001.

# CRUDE OIL WELLHEAD PRICES

(\$/Bbl.)	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	20.24	18.58	12.08	16.71	27.63	23.18	23.39	28.97	38.79	53.26
Alaska	15.32	14.84	8.47	12.60	23.76	18.35	19.53	23.91	33.17	47.21
Arizona*	20.00	18.23	11.69	16.06	26.72	21.82	21.63	26.63	36.86	52.09
Arkansas	18.67	17.58	11.10	15.89	26.98	21.82	21.50	26.57	36.67	50.86
California	16.72	15.78	9.55	13.92	24.72	20.00	21.68	26.30	34.33	47.08
Colorado	20.47	19.03	12.56	17.37	28.85	24.82	25.29	30.71	40.38	55.34
Florida	16.55	19.64	10.23	17.50	29.04	NA	NA	NA	NA	NA
Illinois	20.86	19.11	12.78	17.37	28.14	23.76	23.84	29.10	38.74	51.20
Indiana	20.67	18.73	12.49	17.31	27.91	23.46	23.43	28.38	38.18	51.02
Kansas	20.47	18.63	12.19	17.08	28.16	23.56	23.61	28.68	39.18	53.41
Kentucky	20.24	17.97	11.67	16.68	26.47	22.53	22.49	27.21	36.82	49.45
Louisiana	20.88	19.22	12.59	17.59	28.85	24.36	24.68	30.31	40.08	54.05
Michigan	20.32	18.75	12.39	16.63	28.12	22.69	23.68	29.18	39.14	53.67
Mississippi	18.95	16.94	10.33	15.42	26.23	21.13	22.11	27.46	37.03	49.58
Missouri*	18.05	18.63	11.48	15.61	28.37	20.37	21.53	26.45	37.15	49.87
Montana	18.89	17.00	11.28	16.54	27.82	23.16	22.76	28.66	38.53	52.66
Nebraska	19.57	18.10	11.50	17.21	27.97	23.67	23.62	28.63	38.42	52.38
Nevada*	15.01	15.00	11.27	13.87	22.68	17.13	17.91	24.54	31.98	42.68
New Mexico	20.79	19.02	12.36	17.46	28.80	23.72	24.11	29.52	39.25	52.84
New York*	20.95	18.49	11.46	16.18	28.60	22.76	24.92	28.91	39.40	54.64
North Dakota	19.46	17.63	11.39	16.70	28.19	23.55	24.15	29.27	39.30	52.38
Ohio	19.96	17.77	12.20	16.41	27.49	22.55	22.61	28.18	38.27	53.47
Oklahoma	20.60	19.05	12.73	17.77	29.08	24.68	24.49	29.72	39.95	54.46
Pennsylvania	20.99	18.79	13.67	18.49	28.80	24.82	24.86	29.60	39.48	54.47
South Dakota	19.56	17.80	12.29	16.86	28.18	23.89	23.96	28.94	38.40	50.65
Tennessee*	19.55	17.26	11.24	15.93	26.28	21.96	21.89	26.56	36.46	45.57
Texas	20.31	18.66	12.28	17.30	28.60	23.41	23.77	29.13	38.79	52.61
Utah	21.10	18.57	12.52	17.69	28.53	24.09	23.87	28.88	39.35	53.98
Virginia*	19.63	16.40	11.64	16.88	NA	NA	NA	26.23	NA	NA
West Virginia	19.59	17.56	11.95	16.46	27.12	22.35	22.55	28.06	38.38	53.75
Wyoming	19.56	17.41	10.70	16.47	26.89	21.55	21.96	26.63	35.10	45.63
TOTAL U.S.	18.46	17.23	10.87	15.56	26.72	21.84	22.51	27.56	36.77	50.28

Source: Energy Information Administration and State Sources\*

Notes: Data represent average first purchase prices of crude oil at the lease or wellhead.

# NATURAL GAS WELLHEAD PRICES

(\$/Mcf)	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	2.62	2.67	2.21	2.32	3.99	4.23	3.48	5.93	6.66	9.28
Alaska	1.61	1.82	1.32	1.37	1.76	1.99	2.13	2.41	3.42	4.75
Arizona*	1.65	2.40	1.88	2.08	3.50	4.12	2.60	4.33	5.12	6.85
Arkansas	3.82	4.03	3.92	4.10	5.23	4.99	4.43	5.17	5.68	7.26
California	1.82	2.41	1.97	2.36	4.81	6.93	2.92	5.04	5.65	7.45
Colorado	1.37	2.23	1.90	2.18	3.67	3.84	2.41	4.54	5.21	7.43
Florida*	2.11	1.06	1.42	2.50	1.76	NA	NA	NA	NA	NA
Illinois*	2.85	2.81	2.74	2.74	2.05	NA	NA	NA	NA	NA
Indiana	2.30	2.18	2.09	2.19	3.51	3.28	3.11	5.41	6.30	9.11
Kansas	1.92	2.05	1.70	1.80	3.21	3.66	2.61	4.33	4.94	6.51
Kentucky	2.55	2.66	2.39	2.07	3.16	4.78	3.01	4.54	5.26	6.84
Louisiana	2.33	2.36	2.02	2.22	3.68	3.99	3.20	5.64	5.96	8.72
Maryland	2.52	2.23	2.60	2.73	3.75	4.15	5.98	4.50	6.25	7.43
Michigan	2.21	2.19	1.77	1.77	2.44	3.47	2.16	4.01	3.85	5.30
Mississippi	1.66	1.73	1.42	1.63	3.30	3.93	3.06	5.13	5.83	8.54
Missouri	1.56	1.70	1.62	NA	NA	NA	NA	NA	NA	NA
Montana	1.41	1.59	1.53	1.68	2.84	3.12	2.39	3.73	4.51	6.57
Nebraska	1.43	1.53	1.30	1.36	2.26	2.16	1.52	3.17	3.22	4.29
New Mexico	1.67	1.76	1.76	2.11	3.43	3.89	2.68	4.56	4.97	6.91
New York	2.21	2.56	2.56	2.16	3.75	5.00	3.03	5.78	6.98	7.78
North Dakota	2.13	2.16	2.14	2.32	3.94	3.53	2.73	3.53	5.73	8.40
Ohio	2.63	2.70	2.95	2.43	4.06	4.54	4.52	5.90	6.65	9.03
Oklahoma	2.21	2.32	1.77	2.05	3.63	4.03	2.94	4.97	5.52	7.21
Oregon	2.26	2.19	2.38	2.52	2.69	3.66	3.97	4.48	3.89	4.25
Pennsylvania*	3.08	3.17	2.97	3.09	2.31	3.41	3.41	NA	NA	NA
South Dakota	1.98	2.09	2.47	2.13	3.56	3.42	2.95	4.98	5.49	7.44
Tennessee	2.54	2.55	2.15	2.28	4.09	3.60	3.41	5.22	6.90	9.55
Texas	2.29	2.48	2.06	2.31	3.93	4.12	3.16	5.18	5.83	7.55
Utah	1.39	1.86	1.73	1.93	3.28	3.52	1.99	4.11	5.24	7.16
Virginia*	2.79	2.55	2.16	2.49	3.97	4.29	3.16	4.65	NA	NA
West Virginia*	3.05	2.63	2.37	2.99	3.24	4.12	3.44	4.34	4.71	7.07
Wyoming	2.57	2.42	1.78	1.97	3.34	3.49	2.70	4.13	4.96	6.86
TOTAL U.S.	2.17	2.32	1.96	2.19	3.68	4.00	2.95	4.88	5.46	7.33

Source: Energy Information Administration and State Sources\*

## REFINER ACQUISITION COST OF CRUDE OIL

(\$/Bbl.)	Domestic	Imported	Composite
1979	14.27	21.67	17.72
1980	24.23	33.89	28.07
1981	34.33	37.05	35.24
1982	31.22	33.55	31.87
1983	28.87	29.30	28.99
1984	28.53	28.88	28.63
1985	26.66	26.99	26.75
1986	14.82	14.00	14.55
1987	17.76	18.13	17.90
1988	14.74	14.56	14.67
1989	17.87	18.08	17.97
1990	22.59	21.76	22.22
1991	19.33	18.70	19.06
1992	18.63	18.20	18.43
1993	16.67	16.14	16.41
1994	15.67	15.51	15.59
1995	17.33	17.14	17.23
1996	20.77	20.64	20.71
1997	19.61	18.53	19.04
1998	13.18	12.04	12.52
1999	17.90	17.26	17.51
2000	29.11	27.70	28.26
2001	24.33	22.00	22.95
2002	24.65	23.71	24.10
2003	29.82	27.71	28.53
2004	38.97	35.90	36.98
2005	52.94	48.86	50.24

Source: Energy Information Administration

## RETAIL GASOLINE PRICES

(¢/gal.)	Excluding Taxes	Taxes	Pump Price
1982	106.0	23.6	129.6
1983	95.4	28.7	124.1
1984	90.7	30.5	121.2
1985	91.2	29.0	120.2
1986	62.4	30.3	92.7
1987	66.9	27.9	94.8
1988	67.3	27.3	94.6
1989	75.6	26.5	102.1
1990	88.3	28.1	116.4
1991	79.7	34.3	114.0
1992	78.7	34.0	112.7
1993	75.9	34.9	110.8
1994	73.8	37.4	111.2
1995	76.5	38.2	114.7
1996	84.7	38.4	123.1
1997	83.9	39.5	123.4
1998	67.3	38.6	105.9
1999	78.1	38.4	116.5
2000	110.6	40.4	151.0
2001	103.2	42.9	146.1
2002	94.7	41.1	135.8
2003	115.6	43.5	159.1
2004	143.5	44.5	188.0
2005	182.9	46.6	229.5

Source: Energy Information Administration. Pump price quoted for unleaded regular.

## WORLD CRUDE OIL RESERVES

(mill. bbls.)	United States	Canada	Latin America	Middle East	Africa	Asia Pacific	Western Europe	Eastern Europe & FSU	Total World
1989	26,825	6,133	125,027	660,247	58,387	22,545	18,822	84,100	1,002,213
1990	26,501	5,783	121,091	662,598	59,892	50,242	14,476	58,855	999,113
1991	26,254	5,588	119,765	661,571	60,488	44,073	14,503	58,774	991,011
1992	24,682	5,292	123,811	661,791	61,872	44,572	15,829	59,193	997,042
1993	23,745	5,096	124,996	662,866	61,963	44,647	16,643	59,168	999,124
1994	22,957	5,096	129,073	660,295	62,177	44,453	16,572	59,196	999,319
1995	22,457	4,898	128,695	659,555	73,154	43,953	15,573	59,188	1,007,475
1996	22,351	4,893	127,943	676,352	67,555	42,299	18,361	59,093	1,018,849
1997	22,017	4,839	126,115	676,952	70,062	42,275	18,128	59,101	1,019,545
1998	22,546	4,931	136,867	673,647	75,442	43,013	18,719	59,053	1,034,265
1999	21,034	4,931	117,931	675,636	74,890	43,985	18,611	59,024	1,016,041
2000	21,765	4,706	122,809	683,516	74,889	43,957	17,185	59,024	1,027,852
2001	22,045	4,858	122,912	685,592	76,677	43,779	17,135	58,555	1,031,553
2002	22,446	180,021	111,173	685,642	77,429	38,712	18,098	79,360	1,212,881
2003	22,677	178,893	114,522	726,842	87,043	38,258	18,233	79,343	1,265,812
2004	21,891	178,800	115,195	729,341	100,784	36,246	16,102	79,343	1,277,702
2005	21,371	178,792	116,246	743,411	102,580	35,936	14,842	79,370	1,292,550

Source: Oil & Gas Journal. Estimated proved reserves as of 1/1 of stated year. Totals may not add due to rounding. Canadian reserves include oil sands after 2001.



# WHOLESALE PRICES —TOTAL U.S.

Year	Motor Gasoline	Kerosene	Fuel Oil		Average		Crude Oil
			Distillate	Residual	Of Four Products		
			(¢/gal.)			(\$/bbl.)	
1950	10.86	9.39	7.97	3.98	8.29	3.48	2.51
1951	11.40	9.85	8.50	4.42	8.79	3.69	2.53
1952	11.38	9.90	8.52	3.84	8.62	3.62	2.53
1953	12.01	10.23	8.83	3.73	8.96	3.76	2.68
1954	11.66	10.40	8.94	3.97	8.88	3.73	2.78
1955	11.62	10.53	9.08	4.53	9.06	3.81	2.77
1956	11.75	10.99	9.45	5.30	9.43	3.96	2.79
1957	12.34	11.54	10.05	6.15	10.10	4.24	3.09
1958	11.74	10.96	9.39	4.82	9.27	3.89	3.01
1959	11.64	11.26	9.31	4.79	9.22	3.87	2.90
1960	11.61	11.17	8.79	4.88	9.15	3.84	2.88
1961	11.62	11.49	9.10	4.85	9.21	3.87	2.89
1962	11.52	11.42	9.11	4.78	9.13	3.84	2.90
1963	11.35	11.51	9.18	4.61	9.01	3.79	2.89
1964	11.27	10.93	8.65	4.50	8.83	3.71	2.88
1965	11.52	11.28	9.04	4.81	9.12	3.83	2.86
1966	11.59	11.49	9.09	4.73	9.15	3.84	2.88
1967	11.84	11.96	9.71	4.53	9.33	3.92	2.92
1968	11.55	12.03	9.84	4.30	9.14	3.84	2.94
1969	11.80	11.98	10.06	4.20	9.27	3.89	3.09
1970	12.33	12.43	10.45	6.14	10.20	4.28	3.18
1971	12.70	12.90	10.75	7.76	10.94	4.59	3.39
1972	12.70	12.87	10.61	7.60	10.87	4.57	3.39
1973	14.72	14.08	12.61	8.45	12.49	5.25	3.89
1974	25.53	24.02	22.57	20.43	23.48	9.86	6.87
1975	30.27	27.41	26.09	22.03	27.03	11.35	7.67
1976	33.82	31.67	30.38	21.66	29.55	12.41	8.19
1977	36.99	35.81	34.41	25.87	33.21	13.95	8.57
1978	39.22	37.23	35.66	23.00	33.72	14.16	9.00
1979	56.84	56.60	54.47	33.63	49.50	20.79	12.64
1980	87.40	80.26	78.21	44.43	72.77	30.56	21.59
1981	101.63	101.03	97.20	61.17	88.75	37.28	31.77
1982	94.56	97.18	91.95	57.80	83.27	34.97	28.52
1983	86.97	85.12	80.05	57.30	76.94	32.31	26.19
1984	81.14	84.75	79.62	59.14	74.49	31.29	25.88
1985	81.11	81.69	76.66	56.41	73.06	30.69	24.09
1986	47.74	49.92	44.91	36.23	43.97	18.47	12.51
1987	53.22	56.75	52.25	45.36	50.89	21.37	15.40
1988	50.31	50.72	46.10	38.72	46.22	19.41	12.58
1989	59.15	60.78	56.02	40.87	53.28	22.38	15.86
1990	72.13	73.37	67.82	50.99	65.20	27.38	20.03
1991	64.24	64.79	59.81	40.94	56.61	23.78	16.54
1992	60.90	62.78	58.12	41.67	54.81	23.02	15.99
1993	54.85	59.98	55.54	40.22	50.82	21.34	14.25
1994	52.95	57.67	53.22	42.50	50.09	21.04	13.19
1995	55.51	58.15	53.74	47.41	51.63	21.68	14.62
1996	68.29	74.02	69.64	53.78	64.43	27.06	18.46
1997	66.21	62.26	66.81	54.69	62.19	26.12	17.23
1998	52.60	45.00	43.90	28.00	42.38	17.80	10.87
1999	64.50	53.00	53.60	35.40	51.63	21.68	15.56
2000	96.30	88.00	89.60	56.60	82.63	34.70	26.72
2001	88.60	76.30	77.90	47.60	72.60	30.49	21.84
2002	82.80	71.60	71.80	53.00	69.80	29.32	22.51
2003	100.20	87.10	88.20	66.10	85.40	35.87	27.56
2004	128.80	120.80	117.80	68.10	108.88	45.73	36.77
2005	167.50	172.30	172.00	97.10	152.23	63.88	50.28

Sources: Petroleum product prices derived by IPAA from Platt's Oilgram Price Report thru 1997. EIA prices used thereafter. Crude oil wellhead prices from EIA.

Notes: Data reflect price trends only, not actual sale prices. Motor gasoline prices represent leaded fuel prior to 1982, and unleaded thereafter.

# PETROLEUM CONSUMPTION

(mill. bbls.)

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	100.6	98.3	97.2	101.6	105.4	103.9	108.1	107.1	117.1	114.6
Alaska	42.8	45.3	45.6	48.6	48.5	51.1	48.7	50.0	58.9	58.7
Arizona	81.3	81.3	88.0	92.9	94.6	95.7	97.8	99.3	103.6	108.6
Arkansas	62.7	65.4	65.2	71.6	73.1	70.0	70.1	69.6	71.7	70.7
California	618.1	604.8	609.8	628.5	654.1	651.7	685.8	701.2	693.1	706.0
Colorado	73.8	70.1	75.0	77.8	83.5	86.9	83.3	86.7	93.7	92.2
Connecticut	75.8	80.3	78.8	83.2	81.2	76.6	70.8	79.8	86.1	82.6
Delaware	26.9	25.0	25.3	25.8	24.9	26.7	26.1	26.6	25.5	26.8
Dist.of Columbia	6.4	6.3	6.7	6.1	6.3	6.1	6.1	5.4	5.6	5.3
Florida	300.6	309.5	339.9	341.4	354.2	352.7	345.4	351.4	382.7	390.4
Georgia	185.2	179.3	183.3	192.6	193.7	193.0	192.5	196.1	206.2	213.3
Hawaii	41.6	39.8	40.5	39.7	40.6	41.5	45.1	47.0	49.0	51.3
Idaho	28.0	26.6	27.6	30.0	30.7	28.6	29.1	25.6	28.8	29.5
Illinois	230.9	232.8	228.6	250.6	248.6	243.0	237.7	243.2	255.1	275.7
Indiana	156.1	157.3	156.4	161.9	164.5	150.5	160.4	165.5	162.2	160.8
Iowa	73.1	72.3	78.8	82.8	82.4	78.8	82.4	76.4	86.5	88.2
Kansas	72.9	75.6	75.8	86.6	79.3	73.7	71.1	83.8	81.8	65.2
Kentucky	116.4	125.7	127.5	132.7	130.2	119.3	129.9	122.7	134.2	133.5
Louisiana	279.3	258.3	248.1	278.9	327.7	325.8	331.5	300.9	310.5	297.9
Maine	45.7	46.5	46.1	48.1	47.1	40.7	41.3	47.3	46.6	47.6
Maryland	93.7	95.1	100.4	105.1	101.9	102.6	99.4	103.3	106.7	110.8
Massachusetts	126.4	134.7	138.0	133.7	138.2	135.4	130.8	133.1	135.5	136.8
Michigan	192.5	197.0	197.4	208.0	201.5	194.0	198.1	193.4	197.4	198.1
Minnesota	118.0	117.2	116.5	122.1	125.6	125.0	126.3	129.2	133.0	133.9
Mississippi	9.2	10.8	9.2	8.4	10.7	9.9	10.1	10.9	10.2	84.1
Missouri	133.1	132.2	139.3	145.1	128.6	135.4	136.9	138.9	140.1	139.7
Montana	29.9	28.4	28.1	30.4	29.6	30.4	30.0	29.5	33.7	35.0
Nebraska	43.4	43.0	45.4	45.9	42.0	41.0	42.9	43.3	44.5	43.2
Nevada	40.8	39.3	40.7	41.9	43.4	45.9	43.8	44.4	48.3	51.1
New Hampshire	31.0	31.9	33.5	34.5	34.0	31.1	32.8	36.6	37.7	35.4
New Jersey	212.5	216.0	212.5	221.5	226.7	232.2	229.5	222.9	229.8	239.8
New Mexico	40.7	43.3	45.3	47.6	45.8	45.3	45.8	46.1	47.8	47.7
New York	290.8	284.7	290.7	294.8	309.1	297.0	287.1	318.8	337.1	330.6
North Carolina	170.0	172.9	174.1	173.0	181.2	176.9	173.2	177.5	185.5	187.1
North Dakota	22.0	22.3	20.8	22.9	22.5	26.4	23.3	22.6	25.0	25.7
Ohio	228.9	233.5	231.5	245.0	242.2	238.4	242.8	250.2	251.2	251.6
Oklahoma	86.0	85.8	86.7	93.5	95.4	106.4	101.6	99.6	98.3	105.5
Oregon	66.7	65.4	70.5	71.8	69.9	67.4	69.5	67.4	70.7	71.3
Pennsylvania	239.9	242.9	248.4	248.2	259.7	264.4	260.2	267.3	276.1	279.0
Rhode Island	17.6	18.6	17.6	17.9	17.8	18.3	18.0	18.6	18.1	17.9
South Carolina	76.1	82.0	84.2	84.7	87.9	93.1	93.2	95.7	109.5	105.3
South Dakota	22.0	21.3	20.9	21.4	22.1	20.9	22.7	21.3	21.6	22.3
Tennessee	119.0	119.8	125.4	129.3	130.8	135.3	141.3	143.5	146.8	151.0
Texas	1,074.1	1,150.6	1,163.6	1,153.5	1,125.6	1,113.0	1,150.0	1,159.9	1,198.4	1,161.7
Utah	44.6	44.5	45.4	46.8	49.2	48.2	47.6	49.9	50.6	52.9
Vermont	15.9	16.1	15.6	15.7	16.6	16.9	16.2	16.3	17.9	17.2
Virginia	146.1	152.1	153.7	156.7	164.6	168.9	164.2	177.1	189.7	189.8
Washington	147.0	148.6	148.5	153.2	152.9	154.0	147.4	142.9	151.1	153.2
West Virginia	35.7	38.5	40.5	38.8	39.2	47.2	49.2	46.7	51.4	49.9
Wisconsin	114.6	115.6	118.0	126.1	124.9	116.3	117.6	112.2	118.2	117.2
Wyoming	24.2	23.4	23.0	26.3	26.2	28.9	27.8	28.9	28.4	28.9
Total U.S.	6,354.5	6,446.3	6,539.2	6,742.6	6,824.9	6,764.2	6,820.0	6,907.8	7,146.0	7,592.8

Source: Energy Information Administration.

# NATURAL GAS CONSUMPTION

(MMcf)	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Alabama	293,084	324,158	329,134	337,270	353,614	332,693	379,343	350,345	382,367	353,156
Alaska	448,000	425,393	434,871	422,816	427,288	408,960	419,131	414,234	406,319	432,972
Arizona	103,037	134,706	158,355	165,076	205,235	240,812	250,734	272,921	349,622	321,584
Arkansas	252,585	260,113	266,485	252,853	251,329	227,943	242,325	246,916	215,124	213,609
California	1,721,217	2,146,211	2,309,883	2,339,521	2,508,797	2,464,565	2,273,193	2,269,405	2,406,889	2,248,256
Colorado	269,006	314,486	330,259	333,085	367,920	463,738	459,397	436,253	440,378	470,321
Connecticut	126,488	144,708	131,497	152,237	159,712	146,278	177,587	154,075	162,642	168,067
Delaware	54,020	46,511	40,809	56,013	48,387	50,113	52,216	46,177	48,057	46,904
Dist.of Columbia	33,644	34,105	30,409	32,281	33,468	29,802	32,898	32,814	32,227	32,085
Florida	478,471	522,116	503,844	559,366	541,847	543,143	689,337	689,986	734,178	778,209
Georgia	374,882	371,376	368,579	337,576	413,845	351,109	383,546	379,761	394,986	412,560
Hawaii	2,672	2,894	2,654	3,115	2,841	2,818	2,734	2,732	2,774	2,795
Idaho	61,058	68,669	69,277	70,672	72,697	80,279	71,481	69,868	75,335	74,540
Illinois	1,104,972	1,077,139	957,254	1,004,281	1,030,604	951,616	1,049,878	998,486	953,207	969,642
Indiana	561,056	556,624	521,748	556,932	570,558	501,711	539,034	527,037	526,701	531,111
Iowa	260,140	254,489	232,057	230,691	232,565	224,336	226,457	230,161	226,819	241,340
Kansas	275,508	338,231	326,674	302,932	312,369	272,500	304,992	281,346	256,779	255,123
Kentucky	207,529	227,931	205,129	218,399	225,168	208,974	227,920	223,226	225,470	234,080
Louisiana	1,382,966	1,661,061	1,569,190	1,495,478	1,536,725	1,219,013	1,341,444	1,233,505	1,281,428	1,254,370
Maine	5,722	6,290	5,716	6,572	44,779	95,733	101,536	70,832	72,565	57,835
Maryland	189,901	212,017	188,552	196,350	212,133	178,376	196,276	197,024	194,725	202,509
Massachusetts	355,609	402,629	358,846	344,790	343,314	349,103	393,194	403,991	372,532	378,068
Michigan	980,555	994,342	876,444	951,143	963,136	906,001	966,354	924,819	916,629	913,827
Minnesota	348,671	354,092	330,513	344,591	362,025	340,911	371,583	371,261	359,898	367,825
Mississippi	216,524	255,475	241,342	306,733	300,652	332,589	343,890	265,842	282,051	301,663
Missouri	286,814	283,294	258,652	265,798	284,763	283,793	275,629	262,529	263,945	268,040
Montana	55,584	59,851	59,840	62,129	67,955	65,051	69,532	68,473	66,829	68,355
Nebraska	128,297	132,221	130,730	121,487	126,962	121,984	120,333	118,922	115,011	119,070
Nevada	122,449	132,128	148,539	154,689	189,170	176,835	176,596	185,846	214,984	227,149
New Hampshire	19,031	20,848	19,127	20,313	24,950	23,398	24,901	54,147	61,172	70,484
New Jersey	599,810	717,011	679,619	715,630	605,275	564,923	598,602	612,890	620,806	602,388
New Mexico	113,059	256,464	245,823	236,264	266,469	266,283	235,098	221,021	223,575	220,717
New York	1,121,742	1,324,164	1,232,473	1,274,162	1,244,746	1,171,898	1,199,632	1,101,618	1,098,056	1,080,215
North Carolina	205,783	215,634	214,092	217,159	233,714	207,108	235,376	218,642	224,796	229,715
North Dakota	32,670	56,179	49,541	56,418	56,528	60,819	66,726	60,907	59,986	53,050
Ohio	915,035	897,693	811,389	841,966	890,962	804,243	830,955	848,388	825,753	825,961
Oklahoma	460,373	567,050	575,855	538,329	538,563	491,458	508,298	540,103	538,576	582,536
Oregon	160,626	185,069	229,403	235,009	224,888	229,665	202,164	212,556	234,997	232,562
Pennsylvania	684,022	706,230	644,017	688,740	702,847	634,794	675,583	689,992	696,175	691,591
Rhode Island	82,041	117,707	130,751	118,001	88,419	95,607	87,805	78,456	72,609	80,764
South Carolina	146,434	153,917	159,458	162,926	160,436	141,785	184,803	146,641	163,787	172,032
South Dakota	33,594	36,115	33,042	35,794	37,939	37,077	41,577	43,881	41,679	42,555
Tennessee	256,053	282,395	279,070	278,841	270,658	255,990	255,515	257,315	231,133	230,338
Texas	3,585,201	4,116,722	4,205,459	4,009,689	4,421,777	4,252,152	4,303,831	4,050,632	3,908,243	3,503,636
Utah	129,651	165,253	169,776	159,889	164,557	159,299	163,379	154,125	155,891	160,275
Vermont	7,325	8,061	7,735	8,033	10,426	7,919	8,367	8,400	8,685	8,372
Virginia	230,140	248,960	260,332	276,793	268,770	237,853	258,202	262,970	277,434	299,746
Washington	231,767	256,366	290,229	287,302	286,653	312,114	233,716	249,599	262,485	264,754
West Virginia	115,622	159,504	142,860	139,961	147,854	141,090	146,455	126,986	122,267	117,136
Wisconsin	398,581	400,651	368,022	380,560	393,601	359,784	385,310	394,711	383,316	410,250
Wyoming	73,609	100,950	109,188	96,726	101,314	98,569	112,872	115,358	107,060	108,314
Total U.S.	22,609,080	22,737,342	22,245,956	22,405,151	23,333,121	22,238,624	23,007,017	22,276,502	22,388,975	22,010,596

Source: Energy Information Administration. Volumes delivered to consumers.

# INDUSTRY EMPLOYMENT-2005

State	Mining	Refining		Transportation			Wholesale	Retail	Total
	Oil & Gas Extraction	Petroleum Refining	Oils & Greases	Pipelines, Except Gas	Pipeline Construction	Gas Distribution	Petroleum Products	Gasoline Stations	Industry
Alabama	1785	348	591	139	1,137	2,220	3,387	19,074	29,638
Alaska	8,967	ND	399	ND	358	222	1,334	1,820	13,100
Arizona	236	ND	259	273	783	175	2,052	16,602	20,380
Arkansas	2,264	442	ND	948	456	836	2,225	12,832	20,003
California	16,202	12,442	792	1,028	5,548	34,138	4,902	54,368	131,099
Colorado	12,222	554	67	40	2,478	2,080	2,084	12,736	32,378
Connecticut	43	ND	ND	171	225	1,153	5,520	6,281	13,393
Delaware	31	ND	ND	0	115	ND	692	2,590	3,428
Dist. of Columbia	ND	ND	ND	ND	ND	ND	0	530	530
Florida	1,711	111	357	229	570	1,570	6,857	39,281	50,686
Georgia	302	93	203	293	1,520	1,787	4,579	29,990	38,767
Hawaii	7	ND	0	0	72	ND	404	2,749	3,232
Idaho	89	ND	22	ND	264	ND	973	5,116	6,464
Illinois	2333	2,979	1,630	974	1,031	5,635	5,598	26,210	45,893
Indiana	325	ND	ND	510	895	2,171	3,599	23,825	32,287
Iowa	14	12	129	271	324	809	1,784	18,050	21,252
Kansas	6,575	1,377	236	1,061	1,304	2,239	2,154	10,539	25,035
Kentucky	2,014	ND	450	991	713	1,830	3,177	19,832	28,016
Louisiana	41,528	9,131	905	2,061	13,058	3,220	1,426	17,944	87,667
Maine	17	0	422	75	ND	61	4,585	7,506	12,666
Maryland	277	ND	ND	ND	738	737	3,410	10,816	15,978
Massachusetts	191	ND	ND	ND	328	2,742	7,495	12,111	22,867
Michigan	2466	ND	882	1,150	1,254	4,151	5,197	25,631	39,734
Minnesota	143	ND	ND	351	900	1,908	1,803	24,098	29,003
Mississippi	3,952	1,615	129	814	701	1,223	2,403	15,523	25,830
Missouri	78	ND	ND	264	436	3,350	4,284	25,223	33,499
Montana	2,326	932	0	323	371	583	1,004	5,054	10,393
Nebraska	245	ND	8	198	165	1,571	1,207	8,967	12,279
Nevada	144	ND	191	ND	673	ND	780	8,384	10,172
New Hampshire	44	ND	190	ND	11	189	2,780	5,193	8,407
New Jersey	440	2,468	573	321	1,049	4,192	6,505	14,423	29,811
New Mexico	12,848	ND	621	919	1,837	1,491	1,700	7,907	26,706
New York	784	41	421	365	365	3,683	14,271	29,276	49,206
North Carolina	578	ND	1,054	120	1,122	2,200	7,031	28,238	40,343
North Dakota	2,554	ND	ND	79	75	1,135	1,681	4,115	8,748
Ohio	4,623	1,424	774	954	1,452	3,935	5,857	35,413	54,270
Oklahoma	34,182	1,254	481	1,678	1,487	3,926	3,864	12,852	64,364
Oregon	12	ND	447	ND	275	ND	1,839	11,104	13,677
Pennsylvania	4,702	2,365	2,503	1,743	1,952	5,001	11,818	36,685	65,840
Rhode Island	ND	ND	ND	40	83	ND	1,593	2,005	3,721
South Carolina	219	ND	265	68	159	814	2,450	17,897	21,872
South Dakota	60	ND	ND	58	46	231	1,318	5,750	7,463
Tennessee	547	ND	1,034	5	809	2,300	4,020	24,092	32,807
Texas	160,004	19,885	693	12,040	17,149	15,760	15,989	68,471	330,519
Utah	4,130	783	ND	277	419	1,122	913	9,558	17,203
Vermont	15	0	0	0	0	0	1,797	3,864	5,676
Virginia	3,653	ND	799	399	1,566	1,576	5,087	33,621	46,701
Washington	160	1,771	83	177	1,085	1,225	3,032	14,738	22,271
West Virginia	3,946	323	638	1,451	640	961	1,072	9,214	18,245
Wisconsin	83	ND	103	219	333	962	3,838	23,272	28,736
Wyoming	14,578	834	902	644	2,421	611	676	4,036	24,267
Total U.S.	353,729	68,427	19,364	39,628	71,849	127,725	193,895	866,112	1,769,276

Source: State Agencies & Bureau of Labor Statistics Note: Reported data only. N.A.I.C. codes used. ND - Non-Disclosure or not available = not included in Total.

Note: State data differ from the Bureau of Labor Statistics national averages (Total US) due to confidentiality rules

## Data Sources & Notes

The editorial staff gratefully acknowledges the following sources of data that appear on the individual state pages.

State maps .....	State data and IHS data for producing entities by county
First and peak production years.....	AIME Statistical Yearbook, World Oil, Oil & Gas Journal, & World Petroleum Report (Note: Marketed production)
Deepest wells drilled.....	IHS & State Data
Cumulative wells drilled .....	IHS & State Data
Cumulative wellhead value.....	Energy Information Administration
Cumulative production (marketed) and reserves (dry) .....	Energy Information Administration
Wellhead prices and value .....	EIA, IPAA, State Data
End-use natural gas prices .....	EIA
Severance and production taxes.....	IPAA survey
Wells and footage drilled .....	API, IHS & State Data
Rotary drilling rigs .....	Baker Hughes, Inc.
Producing wells .....	IHS & State Data
Oil and gas production.....	EIA & IHS
Number of employees .....	IPAA survey & BLS
Petroleum reserve position.....	EIA
Lease and Royalties .....	Minerals Management Service
Marginal wells and Abandonments....	IHS & IOGCC
Federal Leases and Royalties.....	Department of Interior and Minerals Management Service

## Abbreviations

bbl.	= barrel
b/d	= barrels per day
Mcf	= thousand cubic feet
MMcf	= million cubic feet
Bcf	= billion cubic feet
Tcf	= trillion cubic feet
BT	= British Thermal Unit
NGL	= Natural Gas Liquid
LPG	= Liquefied Petroleum Gases
NA	= Data Not Available
ND	= Not Disclosable

## Energy Conversions

### One barrel of crude oil:

= 42 gallons
= 5,800,000 BTU of energy
= 5,614 cubic feet of natural gas
= 0.22 ton of bituminous coal

### One cubic foot of natural gas:

= 7.48 gallons
= 1,030 BTU of energy
= 0.000178 barrel of crude oil
= 0.00004 ton of bituminous coal

### One short ton of bituminous coal:

= 2,000 pounds
= 26,200,000 BTU of energy
= 4.52 barrels of crude oil
= 25,314 cubic feet of natural gas

### One metric ton of crude oil:

= 2,204 pounds
= 7.46 barrels of domestic crude oil
= 6.99 barrels of foreign crude oil

### One cubic meter of natural gas:

= 35,314 cubic feet
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# GLOSSARY

**Abandonments** - The number of producing wells that have been abandoned during a given time period.

**Artificial Lifting** - Any method used to stimulate the production of crude oil and/or natural gas in excess of the flow resulting under natural reservoir pressures, e.g. pumping, secondary or tertiary recovery.

**Associated Gas** - The combined volume of natural gas which occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved).

**Barrel** - Standard volumetric measure for petroleum, equivalent to 42 U.S. gallons.

**Condensate** - A mixture of liquid hydrocarbons at atmospheric conditions which occur in a gaseous state underground, sometimes known as distillate or natural gasoline.

**Crude Oil** - Hydrocarbons in liquid unprocessed form that vary significantly in properties such as API gravity, viscosity, and sulfur content.

**Development Well** - A crude oil, natural gas or dry hole drilled within an area known to be productive.

**Distillate Fuel Oil** - One of the petroleum fractions produced by conventional distillate, includes fuel oil and diesel fuel.

**Dry Hole** - A completed well which is not productive of crude oil and/or natural gas in commercial quantities.

**Dry Natural Gas** - Natural gas that does not contain dissolved liquid hydrocarbons.

**Exploratory Well** - A crude oil, natural gas, or dry hole drilled to discover a petroleum formation or its limits.

**Gas Well** - An exploratory or development well completed for the production of natural gas.

**Liquefied Petroleum Gas (LPG)** - Butane, propane, and other light products separated from natural gasoline or crude oil by fractionation or other processes. At atmospheric pressure, it reverts to the gaseous state.

**Marginal Well** - A producing well which pumps or "strips" less than 10 barrels of crude oil or 60 Mcf of natural gas per day.

**Marginal Well Reserves** - The estimated amount of additional crude oil or natural gas which can be recovered by primary means or secondary recovery methods.

**Middle Distillates** - A general classification of petroleum products that includes distillate fuel oil and kerosene.

**Natural Gas** - Hydrocarbons in gaseous form or mixed with crude oil.

**Natural Gas Liquids (NGL)** - Hydrocarbons found with natural gas that are recoverable by condensation or absorption, such as LPG or natural gasoline.

**Non-associated Gas** - Natural gas not in contact with significant quantities of crude oil in a reservoir.

**Oil Well** - An exploratory or development well completed for the production of crude oil.

**Petroleum** - Includes in its broadest sense the entire spectrum of hydrocarbons - gaseous, liquid, and solid.

**Pipeline** - A line of tubes with pumping machinery that transports crude oil or natural gas from the wellhead to the storage tank or petroleum refinery.

**Proved Reserves** - The estimated quantity of crude oil, natural gas, or NGL that is shown with reasonable certainty to be recoverable from known fields under existing economic and operating conditions.

**Residual Fuel Oil** - The heavy, high-viscosity leftover from the refining process, used mainly for industrial purposes.

**Rotary Drilling Rig** - A derrick equipped with modern rotary equipment capable of drilling a bore hole with a bit attached to a rotating column of steel pipe, in contrast to a cable tool rig which drills on the percussion principle.

**Seismic Exploration Activity** - The search for geological structures which are potential petroleum-bearing formations by interpreting data from seismic shocks.

**Severance Tax** - A tax levied by some states on each barrel of crude oil or each thousand cubic feet of natural gas produced.

**Strategic Petroleum Reserve** - Crude oil inventories held in government underground storage for use during periods of supply interruptions.

**Stratigraphic Test** - A hole drilled to gather information about a stratigraphic formation such as the general permeability and porosity of the rocks; includes core tests.

**Well** - A hole drilled to find or produce hydrocarbons, or to provide services related to their production.

**Wet Natural Gas** - Volumes of natural gas remaining after removal of lease condensate, and after exclusion of nonhydrocarbon gases where they occur in sufficient quantity to render the gas unmarketable.

**Wildcat Well** - A type of exploratory well drilled in an unproven area where there has been no previous production.