

Advance Summary

U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves

2007 Annual Report

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Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves 2007 Annual Report

In 2007, the U.S. recorded record-high additions to dry natural gas proved reserves totaling 46.1 trillion cubic feet (Tcf), more than double the 19.5 Tcf of dry natural gas actually produced in the United States during the year. The resulting 2007 year-end total proved reserves of dry natural gas in the United States rose 13 percent above 2006 levels to 237.7 Tcf, the highest level in the 31 years EIA has published annual reserves data. The record additions mostly reflect the rapid development of unconventional gas resources made up of coalbed methane and those resources that use advanced technologies like horizontal drilling with hydraulic fracturing including shales and tight, low permeability, formations.

For the first time in four years, the United States also recorded more 2007 proved reserves additions of crude oil than it produced, 2.0 billion barrels, or 0.3 billion barrels above production of 1.7 billion barrels. Year-end proved reserves in 2007 stood at 21.3 billion barrels, nearly two percent higher than at the end of 2006.

Changes to Proved Reserves, 2007:

Crude Oil (billion barrels)	
Proved Reserves, 2006	21.0
Plus Proved Reserves Additions	+2.0
Less 2007 Production	<u>-1.7</u>
Proved Reserves, 2007	21.3 (+2%)

Dry Natural Gas (trillion cubic feet)	
Proved Reserves, 2006	211.1
Plus Proved Reserves Additions	+46.1
Less 2007 Production	<u>-19.5</u>
Proved Reserves, 2007	237.7 (+13%)

Natural Gas Liquids (billion barrels)	
Proved Reserves, 2006	8.47
Plus Proved Reserves Additions	+1.50
Less 2007 Production	<u>-0.83</u>
Proved Reserves, 2007	9.14 (+8%)

Proved reserves are the estimated quantities which geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions. Since 1977, EIA has published comprehensive U.S. proved reserves data. The 2007 *Annual Report of U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves* marks the thirty-first edition of this EIA publication.

Natural Gas

In any given year, EIA's aggregate U.S. estimate of proved reserves represents a snapshot of what can be produced with reasonable certainty. Each year estimates change as new discoveries and improving technologies increase and changing prices alter estimates of proved reserves. The result is aggregated as proved reserves additions. If proved reserves additions are greater than production, reserves increase; if not, they decline.

Developments in 2007. Proved reserves of natural gas increased by 26.6 Tcf in 2007, with 46.1 Tcf total proved reserves additions and 19.5 Tcf of natural gas production. 2007 was the ninth consecutive year that U.S. natural gas proved reserves rose, but the increase was more than twice as great an increase as in any other year since EIA began estimating this data in 1977.

In 2007, natural gas proved reserves additions came mostly from two broad categories, *total discoveries* and *net revisions*.

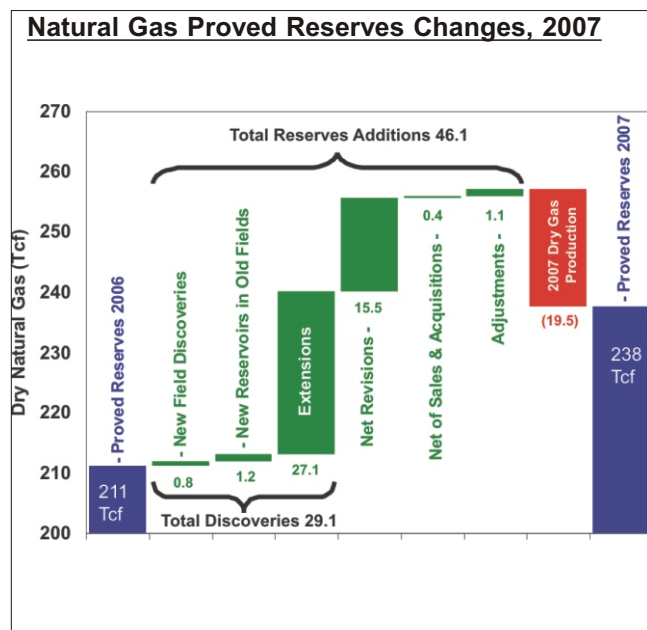
Total Discoveries. Discoveries arise from drilling exploratory wells. *Total discoveries* include extensions to known fields, discovery of new fields, and the discovery of new reservoirs in old fields.

In 2007, *total discoveries* accounted for 63 percent of total natural gas proved reserves additions. Exploratory gas well completions in 2007 rose by 21 percent from 2006. These exploration efforts led to 29 Tcf of *total discoveries* in 2007 - 26 percent more than in 2006 and 59 percent more than the prior 10-year average (18.4 Tcf).

The different types of discoveries largely reflect different stages of exploration. When an operator discovers a new field or a new reservoir in an old

field, the proved reserves are often fairly low compared to the eventual *proved ultimate recovery*. The operator knows relatively little about the new field or reservoir and can therefore be "reasonably certain" of being able to produce only a small part of the reserves that may be found and proved up at a later stage of exploration. In 2007, new field and reservoir discoveries accounted for about 8 percent of *total discoveries*. *New field discoveries* were 0.8 Tcf, 95 percent more than in 2006, but 50 percent less than the prior 10-year average (1.6 Tcf). *New reservoir discoveries in old fields* were 1.2 Tcf, 3 percent more than in 2006, and 37 percent less than the prior 10-year average (1.9 Tcf).

After the initial discovery of a field or reservoir, proved reserves (and production) often grow rapidly as further exploration extends the original boundary. The resulting proved reserves additions are recorded as *extensions* of an existing field. Every year, most natural gas *total discoveries* are *extensions*. In 2007, 27.1 Tcf, or the vast majority of *total discoveries* - and almost 59 percent of all additions - were *extensions* to existing gas fields. *Extensions* of dry gas proved reserves in 2007 were 24 percent larger than in 2006 and 82 percent larger than the prior 10-year average of 14.9 Tcf.



Net Revisions. Revisions occur primarily during the development of already discovered reservoirs or fields. Each year U.S. exploration and production companies make positive and negative revisions. In most years, *net revisions* are positive and sometimes they are large, as in 2007. Most proved reserves additions at this stage come from the ability to produce a greater proportion of the original in-place

resources in the reservoir. Revisions can result from greater experience with and understanding of the geology and production characteristics of the field, drilling on tighter spacing, installation of enhanced recovery projects, improving technology, and operator corrections to prior year reports. Changing prices and price expectations lead to revisions, both positive and negative, as well.

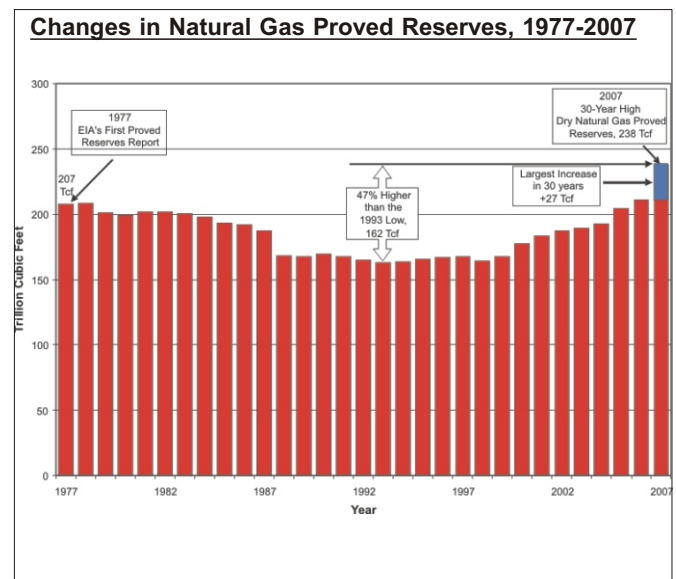
In 2007, *net revisions* accounted for 36 percent of total natural gas reserves additions (15.5 Tcf). Over the last 10 years, about 15 percent of proved reserves additions have come from *net revisions*.

Sales and Acquisitions, and Adjustments. Three percent of natural gas proved reserves additions came from a small difference in the estimates of buyers and sellers of reserves during the year and because of various EIA adjustments made for statistical purposes.

Production. Natural gas production grew to 19.5 Tcf in 2007, a five percent increase over 2006. With 46.1 Tcf of gross proved reserves additions, net proved reserves additions totaled 26.6 Tcf.

Prices. Natural gas prices at the wellhead in 2007 changed little from 2006, declining by only a penny to an average of \$6.39 per thousand cubic feet. Natural gas prices had increased considerably between 2002 and 2005. Drilling for natural gas also increased in 2003 and has continued to increase each year through 2007.

Long-term perspective. Dry natural gas proved reserves declined between 1977 and 1993, but have generally risen since then. Looking at the whole 30-year period from 1977 through 2007, gross proved reserves additions totaled 601.4 Tcf, almost three times the total proved reserves estimated in 1977 and more than enough to replace the 571 Tcf of production during that period.



Regional Natural Gas Proved Reserves Additions. Regionally, Texas had the nation's largest increase in dry natural gas proved reserves in 2007, amounting to a 17 percent gain (10.3 Tcf). Major net reserves additions in the Rocky Mountain States included a 26 percent (6.2 Tcf) increase in Wyoming, a 27 percent (4.7 Tcf) increase in Colorado, and a 24 percent (1.2 Tcf) increase in Utah. Proved reserves declined in two major gas-producing regions including a 6 percent decline in the Gulf of Mexico Federal Offshore (1.0 Tcf) and a 4 percent decline in New Mexico (0.7 Tcf).

The additions in Texas were primarily due to development of unconventional gas resources in north and east Texas from shale in the Barnett Shale and from tight sands in the Cotton Valley Formation, supported by relatively high natural gas prices and advancing technologies. The Newark East field in the Texas Barnett Shale formation may soon become the largest natural gas field in the country.

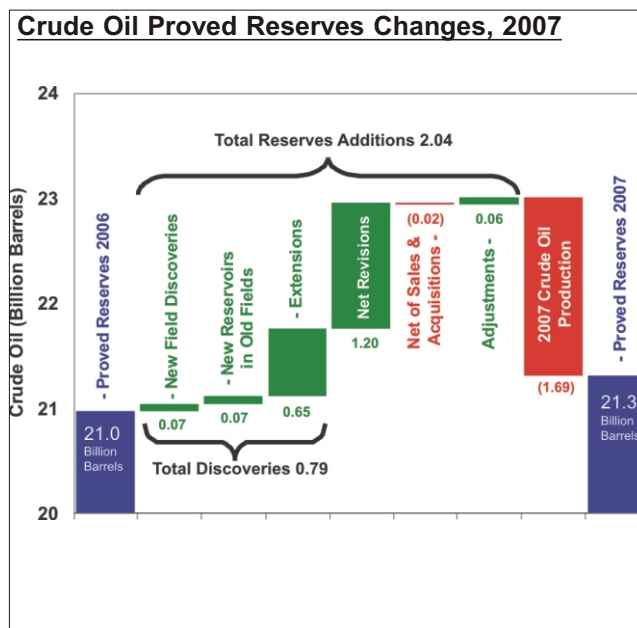
Unconventional Natural Gas Proved Reserves Additions. Unconventional resources are playing an increasingly important role in U.S. dry natural gas reserves and production. For example, improved technology now allows high economic returns for development of reserves in *shale* reservoirs at the prices seen in 2006 and 2007. As a result, proved reserves of shale gas have been increasing rapidly. EIA has collected data on proved natural gas reserves from shale reservoirs for two years. The shale gas proved reserves increased 50 percent in 2007 and are now at about 9 percent of the U.S. total.

Proved reserves and production from *coal reservoirs* increased rapidly from 1989 through 2002 before stabilizing and even dropping slightly in 2006. However, coalbed natural gas reserves saw an 11.5 percent increase in 2007. Coalbed proved reserves now account for about 9 percent of U.S. dry natural gas reserves. Coalbed natural gas production decreased in 2007 but still accounted for about 9 percent of U.S. dry natural gas production.

Crude Oil

In 2007, U.S. crude oil proved reserves increased nearly 2 percent as proved reserves additions replaced 120 percent of production. Alaska saw the largest increase in year-end crude oil proved reserves, growing 7 percent over 2006 (284 million barrels), followed closely by Texas with an increase in year-end proved reserves of 5 percent (251 million barrels). Alaska's increase included 45 million barrels of new field discoveries. Due to rapid development of unconventional oil resources associated with the Bakken Formation, North Dakota had the third largest increase in crude oil proved reserves, up 17 percent from 2006 (70 million barrels).

Developments in 2007. *Total discoveries* of crude oil were 790 million barrels in 2007, 28 percent lower than the prior 10-year average (1,100 million barrels) and 37 percent greater than in 2006 (577 million barrels). The majority of crude oil *total discoveries* in 2007 came from *extensions* to existing fields in Texas, the Gulf of Mexico Federal Offshore, North Dakota, New Mexico, and Alaska.



Total Discoveries. Operators discovered 29 percent more *extensions* in 2007 than in 2006 (651 million barrels) and 18 percent more than the prior 10-year average (554 million barrels).

New field discoveries of crude oil reserves doubled in 2007 over 2006 (66 million barrels), though they were only 16 percent of the prior 10-year average (407 million barrels). More than two thirds of these discoveries (45 of 66 million barrels) were in Alaska.

New reservoir discoveries in old fields were 70 percent greater than 2006 (73 million barrels) but 48 percent lower than the prior 10-year average (140 million barrels).

Net Revisions. Crude oil *net revisions* totaled 1,200 million barrels in 2007.

Production. U.S. crude oil production increased for the first time in 4 years, up 2 percent from estimated 2006 production. Alaska and the lower 48 States each contributed about half of the U.S. total increase.

Other 2007 crude oil events of note:

- The annual average domestic first purchase price for crude oil increased 11 percent from \$59.69 per barrel in 2006 to \$66.52 per barrel.

- Exploratory oil well completions increased 17 percent from 2006.

Long-term Perspective. Starting in 1977, EIA estimated 32 billion barrels of crude oil proved reserves. As with natural gas, this estimate proved not to be a limit to future production, but an estimate that was revised upward in many years since. The United States produced 76 billion barrels from 1977 through 2007, more than twice the proved reserves estimated in 1977. Total proved reserves of crude oil have declined by more than a third since 1977 as the rate of production has outstripped proved reserves additions (a total of 62 billion barrels over the period). However, the rate of decline in total U.S. crude oil reserves began to slow in 1994. Proved reserves additions from revisions due to intensive field development and enhanced oil recovery projects have helped to sustain crude oil proved reserves by providing more than half of all proved reserves additions.

Natural Gas Liquids

Natural gas liquids reserves are associated with natural gas production and include lease condensate extracted at the well on the producing lease and natural gas plant liquids reserves extracted at plants. Large increases in natural gas proved reserves lead to large increases in natural gas liquids proved reserves, but the percent increases are not the same because natural gas from different fields varies in how much liquid is extractable. Overall, natural gas liquids proved reserves increased 8 percent in 2007. Operators replaced 181 percent of U.S. natural gas liquids production with reserves additions.

Natural gas liquids represented 30 percent of total liquid hydrocarbon proved reserves in 2007. Total proved reserves of liquid hydrocarbons (crude oil plus natural gas liquids) were 30.5 billion barrels in 2007, a 3 percent increase from the 2006 level.

Data

These estimates are based upon analysis of data from Form EIA-23, Annual Survey of Domestic Oil and Gas Reserves, filed by 1,379 operators of oil and gas wells, and Form EIA-64A, Annual Report of the Origin of Natural Gas Liquids Production, filed by operators of 506 active natural gas processing plants. The U.S. proved reserves estimates for crude oil and natural gas are associated with sampling errors of less than 1 percent.

EIA collects data on eight categories of proved reserves changes in a survey at the field level. This reported data represents a sample of the roughly 55,000 oil and gas fields that EIA has identified. Companies report about 96 percent of the proved reserve total. *Adjustments* cannot be attributed directly to one of the other specific eight categories because of the survey and statistical survey methods employed.

Table 1. Total U.S. Proved Reserves of Crude Oil, Dry Natural Gas, and Natural Gas Liquids, 1997-2007

Year	Adjustments (1)	Net Revisions (2)	Revisions ^a and Adjustments (3)	Net of Sales ^b and Acquisitions (4)	Extensions (5)	New Field Discoveries (6)	New Reservoir Discoveries in Old Fields (7)	Total ^c Discoveries (8)	Estimated Production (9)	Proved ^d Reserves 12/31 (10)	Change from Prior Year (11)
Crude Oil (million barrels of 42 U.S. gallons)											
1997	520	914	1,434	NA	477	637	119	1,233	2,138	22,546	+529
1998	-638	518	-120	NA	327	152	120	599	1,991	21,034	-1,512
1999	139	1,819	1958	NA	259	321	145	725	1,952	21,765	+731
2000	143	746	889	-20	766	276	249	1,291	1,880	22,045	+280
2001	-4	-158	-162	-87	866	1,407	292	2,565	1,915	22,446	+401
2002	416	720	1,136	24	492	300	154	946	1,875	22,677	+231
2003	163	94	257	-398	426	705	101	1,232	1,877	21,891	-786
2004	74	420	494	23	617	33	132	782	1,819	21,371	-520
2005	221	569	790	278	805	205	41	1,051	1,733	21,757	+386
2006	94	2	96	194	504	30	43	577	1,652	20,972	-785
2007	65	1,200	1,265	-19	651	66	73	790	1,691	21,317	+345
Dry Natural Gas (billion cubic feet, 14.73 psia, 60° Fahrenheit)											
1997	-590	4,902	4,312	NA	10,585	2,681	2,382	15,648	19,211	167,223	+749
1998	-1,635	5,740	4,105	NA	8,197	1,074	2,162	11,433	18,720	164,041	-3,182
1999	982	10,504	11,486	NA	7,043	1,568	2,196	10,807	18,928	167,406	+3,365
2000	-891	6,962	6,071	4,031	14,787	1,983	2,368	19,138	19,219	177,427	+10,021
2001	2,742	-2,318	424	2,630	16,380	3,578	2,800	22,758	19,779	183,460	+6,033
2002	3,727	937	4,664	380	14,769	1,332	1,694	17,795	19,353	186,946	+3,486
2003	2,841	-1,638	1,203	1,034	16,454	1,222	1,610	19,286	19,425	189,044	+2,098
2004	-114	744	630	1,844	18,198	759	1,206	20,163	19,168	192,513	+3,469
2005	1,887	2,699	4,586	2,544	21,050	942	1,208	23,200	18,458	204,385	+11,872
2006	743	-1,836	-1,093	2,996	21,778	409	1,155	23,342	18,545	211,085	+6,700
2007	1,147	15,461	16,608	408	27,107	796	1,188	29,091	19,466	237,726	+26,641
Natural Gas Liquids (million barrels of 42 U.S. gallons)											
1997	-15	289	274	NA	535	114	90	739	864	7,973	+150
1998	-361	208	-153	NA	383	66	88	537	833	7,524	-449
1999	99	727	826	NA	313	51	88	452	896	7,906	+382
2000	-83	459	376	145	645	92	102	839	921	8,345	+439
2001	-429	-132	-561	102	717	138	142	997	890	7,993	-352
2002	62	31	93	54	612	48	78	738	884	7,994	+1
2003	-338	-161	-499	30	629	35	72	736	802	7,459	-535
2004	273	97	370	112	734	26	54	814	827	7,928	+469
2005	-89	21	-68	156	863	32	42	937	788	8,165	+237
2006	173	-165	8	117	924	16	53	993	811	8,472	+307
2007	-139	422	283	101	1,030	30	58	1,118	831	9,143	+671

^aRevisions and adjustments = Col. 1 + Col. 2.

^bNet of sales and acquisitions = acquisitions - sales.

^cTotal discoveries = Col. 5 + Col. 6 + Col. 7.

^dProved reserves = Col. 10 from prior year + Col. 3 + Col. 4 + Col. 8 - Col. 9.

NA=Not available.

Notes: Old means discovered in a prior year. New means discovered during the report year. The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." They may differ from the official EIA production data for crude oil, natural gas, and natural gas liquids for 2007 contained in the *Petroleum Supply Annual 2007*, DOE/EIA-0340(07) and the *Natural Gas Annual 2007*, DOE/EIA-0131(07).

Sources: *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 1997 through 2007 annual reports, DOE/EIA-0216.

Table 2. Crude Oil Proved Reserves, Reserves Changes, and Production, 2007
(Million Barrels of 42 U.S. Gallons)

State and Subdivision	Published Proved Reserves 12/31/06	Changes in Reserves During 2007									Proved Reserves 12/31/07
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	
Alaska	3,879	0	487	34	9	16	40	45	0	261	4,163
Lower 48 States	17,093	65	1,791	1,044	802	776	611	21	73	1,430	17,154
Alabama	45	1	4	1	3	1	0	0	0	5	42
Arkansas	37	-2	4	2	0	0	0	0	0	6	31
California	3,389	-6	248	144	10	38	27	0	0	220	3,322
Coastal Region Onshore	375	3	44	19	5	9	1	0	0	15	393
Los Angeles Basin Onshore	364	-8	24	16	0	21	1	0	0	17	369
San Joaquin Basin Onshore	2,448	-2	160	104	2	8	16	0	0	173	2,351
State Offshore	202	1	20	5	3	0	9	0	0	15	209
Colorado	274	1	38	14	1	1	24	0	0	19	304
Florida	38	-1	21	0	37	14	0	0	0	3	32
Illinois	89	-4	10	0	2	0	16	0	0	8	101
Indiana	12	5	3	1	0	0	0	0	0	2	17
Kansas	263	-32	30	27	0	0	4	0	4	36	206
Kentucky	25	0	1	0	0	0	0	0	0	2	24
Louisiana	428	47	59	48	29	41	13	0	1	54	458
North	68	21	6	5	11	6	0	0	0	9	76
South Onshore	312	23	31	34	18	35	13	0	1	37	326
State Offshore	48	3	22	9	0	0	0	0	0	8	56
Michigan	63	2	2	6	5	3	1	0	0	5	55
Mississippi	186	9	24	9	1	6	6	0	1	22	200
Montana	419	5	37	35	43	38	24	0	0	35	410
Nebraska	14	-2	3	0	1	0	0	0	0	2	12
New Mexico	705	24	76	62	38	43	41	0	0	54	735
East	696	23	74	61	38	43	41	0	0	53	725
West	9	1	2	1	0	0	0	0	0	1	10
North Dakota	412	2	55	28	50	52	80	1	3	45	482
Ohio	49	2	10	11	0	0	2	0	0	4	48
Oklahoma	569	-52	142	50	80	28	25	0	1	53	530
Pennsylvania	20	-5	2	4	0	0	1	0	0	2	12
Texas	4,871	65	575	241	212	222	183	2	7	350	5,122
RRC District 1	76	3	15	2	1	1	2	0	0	10	84
RRC District 2 Onshore	65	1	5	2	2	2	0	0	0	7	62
RRC District 3 Onshore	180	8	25	27	15	46	8	0	1	26	200
RRC District 4 Onshore	30	4	6	4	6	2	1	0	1	4	30
RRC District 5	24	3	2	1	0	0	0	0	0	3	25
RRC District 6	157	0	33	7	15	3	2	0	1	14	160
RRC District 7B	89	3	15	1	6	2	0	0	0	9	93
RRC District 7C	288	16	21	16	25	33	29	0	1	21	326
RRC District 8	1,717	14	194	84	101	95	71	0	3	113	1,796
RRC District 8A	2,093	9	226	89	31	28	65	2	0	124	2,179
RRC District 9	96	13	20	1	0	0	0	0	0	13	115
RRC District 10	53	-8	12	6	10	10	5	0	0	6	50
State Offshore	3	-1	1	1	0	0	0	0	0	0	2
Utah	334	-8	25	3	0	1	23	0	0	17	355
West Virginia	23	0	7	0	0	0	0	0	0	2	28
Wyoming	706	10	36	34	72	69	18	0	0	43	690
Federal Offshore	4,096	3	372	324	218	219	122	18	56	439	3,905
Pacific (California)	441	2	14	8	3	20	0	0	0	25	441
Gulf of Mexico (Louisiana)	3,500	1	335	298	212	195	111	4	56	372	3,320
Gulf of Mexico (Texas)	155	0	23	18	3	4	11	14	0	42	144
Miscellaneous ^a	26	1	7	0	0	0	1	0	0	2	33
U.S. Total	20,972	65	2,278	1,078	811	792	651	66	73	1,691	21,317

^aIncludes Arizona, Missouri, Nevada, New York, South Dakota, Tennessee, and Virginia.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves." They may differ from the official Energy Information Administration production data for crude oil for 2007 contained in the *Petroleum Supply Annual 2007, DOE/EIA-0340(07)*.

Source: Energy Information Administration, Office of Oil and Gas.

Table 3. Dry Natural Gas Proved Reserves, Reserves Changes, and Production, 2007
(Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

State and Subdivision	Published Proved Reserves 12/31/06	Changes in Reserves During 2007									Proved Reserves 12/31/07
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	
Alaska	10,245	1	2,147	112	10	6	28	0	0	388	11,917
Lower 48 States	200,840	1,146	30,027	16,601	14,730	15,142	27,079	796	1,188	19,078	225,809
Alabama	3,911	12	163	35	302	379	123	0	17	274	3,994
Arkansas	2,269	-27	321	146	298	280	1,148	0	27	269	3,305
California	2,794	33	355	273	164	231	16	0	1	253	2,740
Coastal Region Onshore	206	3	32	26	4	6	0	0	0	12	205
Los Angeles Basin Onshore	153	0	15	16	0	0	0	0	0	8	144
San Joaquin Basin Onshore	2,345	31	296	217	158	225	13	0	1	227	2,309
State Offshore	90	-1	12	14	2	0	3	0	0	6	82
Colorado	17,149	136	3,924	582	750	450	2,812	15	23	1,326	21,851
Florida	45	4	110	0	47	0	0	0	0	4	108
Kansas	3,931	79	407	221	65	63	149	0	0	361	3,982
Kentucky	2,227	37	62	152	4	6	373	0	0	80	2,469
Louisiana	10,474	192	1,011	1,104	2,303	1,651	1,247	0	134	1,257	10,045
North	6,715	70	433	424	2,065	1,242	925	0	1	553	6,344
South Onshore	3,335	110	492	587	175	358	304	0	104	618	3,323
State Offshore	424	12	86	93	63	51	18	0	29	86	378
Michigan	3,065	-45	780	210	1,043	1,238	29	0	0	184	3,630
Mississippi	813	37	53	50	24	78	146	0	1	100	954
Montana	1,057	9	92	74	41	39	81	0	1	112	1,052
New Mexico	17,934	136	2,534	2,431	570	376	585	20	10	1,349	17,245
East	3,914	82	488	413	289	218	426	20	10	462	3,994
West	14,020	54	2,046	2,018	281	158	159	0	0	887	13,251
New York	363	33	46	45	3	0	19	7	0	44	376
North Dakota	479	12	69	62	39	43	59	0	3	53	511
Ohio	975	138	144	198	0	0	39	0	0	71	1,027
Oklahoma	17,464	13	2,115	1,366	1,545	1,567	2,380	6	56	1,659	19,031
Pennsylvania	3,050	181	326	418	4	41	358	7	3	183	3,361
Texas	61,836	227	9,325	4,818	5,790	6,244	10,717	78	535	6,263	72,091
RRC District 1	1,063	-18	71	110	180	238	68	0	0	92	1,040
RRC District 2 Onshore	2,060	-167	282	218	267	309	541	1	15	301	2,255
RRC District 3 Onshore	3,050	56	470	518	606	577	277	42	68	512	2,904
RRC District 4 Onshore	8,116	53	973	840	1,813	1,386	1,020	31	209	1,172	7,963
RRC District 5	12,593	97	3,223	952	23	151	3,243	0	3	1,130	17,205
RRC District 6	9,087	107	1,780	827	221	387	1,740	0	100	896	11,257
RRC District 7B	1,471	-38	154	74	41	78	706	0	0	139	2,117
RRC District 7C	5,126	-65	351	185	1,783	1,891	349	0	3	346	5,341
RRC District 8	6,070	111	690	558	320	321	664	0	120	538	6,560
RRC District 8A	1,290	15	249	80	5	6	58	1	0	103	1,431
RRC District 9	6,218	162	536	118	45	6	1,219	0	17	519	7,476
RRC District 10	5,387	-61	532	315	486	894	809	3	0	482	6,281
State Offshore	305	-25	14	23	0	0	23	0	0	33	261
Utah	5,146	17	1,113	325	484	541	744	4	0	365	6,391
Virginia	2,302	-25	108	36	0	27	262	0	0	109	2,529
West Virginia	4,509	14	310	359	2	25	412	11	1	192	4,729
Wyoming	23,549	-6	4,832	1,818	337	647	4,666	2	0	1,825	29,710
Federal Offshore ^a	15,360	-62	1,815	1,864	897	1,185	657	608	368	2,731	14,439
Pacific (California)	811	-7	49	10	1	3	0	0	0	40	805
Gulf of Mexico (Louisiana) ^a	11,824	-16	1,430	1,429	803	991	525	304	330	2,066	11,090
Gulf of Mexico (Texas)	2,725	-39	336	425	93	191	132	304	38	625	2,544
Miscellaneous ^b	138	1	12	14	18	31	57	38	8	14	239
U.S. Total	211,085	1,147	32,174	16,713	14,740	15,148	27,107	796	1,188	19,466	237,726

^aIncludes Federal offshore Alabama.

^bIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, Oregon, South Dakota, and Tennessee.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." They may differ from the official Energy Information Administration production data for natural gas for 2007 contained in the *Natural Gas Annual 2007*, DOE/EIA-0131(07).

Source: Energy Information Administration, Office of Oil and Gas.

Table 4. Natural Gas Proved Reserves, Reserves Changes, and Production, Wet After Lease Separation, 2007 (Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

State and Subdivision	Published Proved Reserves 12/31/06	Changes in Reserves During 2007									Proved Reserves 12/31/07
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	
Alaska	10,333	2	2,168	113	11	6	28	0	0	391	12,022
Lower 48 States	210,083	988	31,236	17,355	15,507	15,964	28,227	814	1,244	19,927	235,767
Alabama	3,963	1	165	36	308	386	125	0	17	277	4,036
Arkansas	2,271	-29	321	146	298	280	1,149	0	27	269	3,306
California	2,935	35	372	288	173	243	18	0	1	264	2,879
Coastal Region Onshore	214	2	33	27	4	6	0	0	0	12	212
Los Angeles Basin Onshore	161	2	16	17	0	0	0	0	0	8	154
San Joaquin Basin Onshore	2,470	31	311	229	167	237	14	0	1	238	2,430
State Offshore	90	0	12	15	2	0	4	0	0	6	83
Colorado	17,682	100	4,037	598	772	463	2,893	15	24	1,364	22,480
Florida	50	-1	113	0	48	0	0	0	0	4	110
Kansas	4,197	82	434	236	69	68	158	0	0	386	4,248
Kentucky	2,369	5	65	160	4	6	391	0	0	84	2,588
Louisiana	10,710	216	1,042	1,138	2,343	1,685	1,275	0	139	1,294	10,292
North	6,795	88	439	430	2,095	1,260	939	0	1	560	6,437
South Onshore	3,473	117	513	612	182	373	317	0	108	644	3,463
State Offshore	442	11	90	96	66	52	19	0	30	90	392
Michigan	3,117	-47	793	213	1,061	1,259	30	0	0	187	3,691
Mississippi	816	35	54	50	24	79	147	0	1	100	958
Montana	1,069	11	94	75	41	39	82	0	1	113	1,067
New Mexico	19,104	167	2,699	2,588	615	406	636	22	11	1,445	18,397
East	4,295	95	536	454	318	240	468	22	11	508	4,387
West	14,809	72	2,163	2,134	297	166	168	0	0	937	14,010
New York	363	33	46	45	3	0	19	7	0	45	375
North Dakota	539	10	77	70	44	49	66	1	4	60	572
Ohio	975	138	144	198	0	0	39	0	0	71	1,027
Oklahoma	18,535	2	2,243	1,449	1,639	1,662	2,525	6	59	1,760	20,184
Pennsylvania	3,064	182	327	420	4	41	360	7	3	183	3,377
Texas	65,805	74	9,760	5,094	6,276	6,777	11,290	83	569	6,631	76,357
RRC District 1	1,109	-1	74	117	191	252	72	0	0	97	1,101
RRC District 2 Onshore	2,166	-163	299	231	283	327	573	1	16	319	2,386
RRC District 3 Onshore	3,278	40	503	554	648	616	296	45	73	547	3,102
RRC District 4 Onshore	8,474	68	1,018	878	1,896	1,449	1,066	33	219	1,226	8,327
RRC District 5	12,648	95	3,235	957	23	151	3,256	0	3	1,134	17,274
RRC District 6	9,481	87	1,852	860	230	403	1,811	0	104	933	11,715
RRC District 7B	1,663	-30	176	85	47	89	804	0	0	158	2,412
RRC District 7C	5,727	-15	396	209	2,012	2,134	394	0	3	390	6,028
RRC District 8	6,855	26	768	620	356	357	739	0	133	599	7,303
RRC District 8A	1,384	14	266	86	6	6	62	1	0	110	1,531
RRC District 9	6,765	50	572	126	48	6	1,302	0	18	554	7,985
RRC District 10	5,950	-71	587	348	536	987	892	3	0	532	6,932
State Offshore	305	-26	14	23	0	0	23	0	0	32	261
Utah	5,211	12	1,125	329	490	547	752	4	0	369	6,463
Virginia	2,302	-25	108	36	0	27	262	0	0	109	2,529
West Virginia	4,654	16	319	370	2	25	425	11	1	198	4,881
Wyoming	24,463	20	5,024	1,890	351	673	4,852	2	0	1,897	30,896
Federal Offshore ^a	15,750	-50	1,862	1,912	924	1,218	675	618	379	2,803	14,813
Pacific (California)	811	-5	48	10	1	3	0	0	0	41	805
Gulf of Mexico (Louisiana) ^a	12,201	1	1,477	1,476	830	1,023	543	313	341	2,135	11,458
Gulf of Mexico (Texas)	2,738	-46	337	426	93	192	132	305	38	627	2,550
Miscellaneous ^b	139	1	12	14	18	31	58	38	8	14	241
U.S. Total	220,416	990	33,404	17,468	15,518	15,970	28,255	814	1,244	20,318	247,789

^aIncludes Federal offshore Alabama.

^bIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, Oregon, South Dakota, and Tennessee.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves." They may differ from the official Energy Information Administration production data for natural gas for 2007 contained in the *Natural Gas Annual 2007*, DOE/EIA-0131(07).

Source: Energy Information Administration, Office of Oil and Gas.

Table 5. Nonassociated Natural Gas Proved Reserves, Reserves Changes, and Production, Wet After Lease Separation, 2007 (Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

State and Subdivision	Published Proved Reserves 12/31/06	Changes in Reserves During 2007							New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	Proved Reserves 12/31/07
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)			
Alaska	1,447	1	70	103	8	5	22	0	0	164	1,270
Lower 48 States	189,329	713	27,934	15,561	14,395	14,615	27,135	768	1,171	17,858	213,851
Alabama	3,945	2	153	35	303	385	125	0	17	273	4,016
Arkansas	2,227	-22	310	139	298	280	1,149	0	27	265	3,269
California	780	29	80	186	165	234	14	0	1	101	686
Coastal Region Onshore	6	0	0	5	0	0	0	0	0	0	1
Los Angeles Basin Onshore	0	0	0	0	0	0	0	0	0	0	0
San Joaquin Basin Onshore	769	28	80	180	165	234	13	0	1	99	681
State Offshore	5	1	0	1	0	0	1	0	0	2	4
Colorado	16,141	91	3,823	584	769	448	2,713	15	24	1,260	20,642
Florida	0	0	0	0	0	0	0	0	0	0	0
Kansas	4,115	74	423	221	69	68	152	0	0	377	4,165
Kentucky	2,333	5	65	158	4	6	391	0	0	84	2,554
Louisiana	10,149	201	907	1,044	2,307	1,589	1,255	0	131	1,230	9,651
North	6,705	80	432	407	2,091	1,259	937	0	1	552	6,364
South Onshore	3,058	112	412	553	150	278	299	0	101	597	2,960
State Offshore	386	9	63	84	66	52	19	0	29	81	327
Michigan	2,925	-48	791	210	1,041	1,235	30	0	0	170	3,512
Mississippi	795	33	48	49	22	70	147	0	1	95	928
Montana	874	10	34	43	13	13	64	0	1	92	848
New Mexico	17,332	129	2,445	2,425	502	284	524	22	11	1,264	16,556
East	2,605	56	307	308	205	123	356	22	11	334	2,633
West	14,727	73	2,138	2,117	297	161	168	0	0	930	13,923
New York	361	24	46	45	3	0	19	7	0	44	365
North Dakota	182	5	13	33	0	1	4	0	0	17	155
Ohio	801	92	122	65	0	0	39	0	0	63	926
Oklahoma	17,735	17	1,965	1,363	1,514	1,554	2,422	6	59	1,656	19,225
Pennsylvania	2,913	77	318	271	4	40	337	7	3	173	3,247
Texas	58,736	-11	8,776	4,523	5,819	6,142	10,912	81	562	6,029	68,827
RRC District 1	1,048	-6	51	109	187	250	71	0	0	89	1,029
RRC District 2 Onshore	2,048	-162	250	220	271	318	573	1	16	304	2,249
RRC District 3 Onshore	2,789	16	445	444	565	483	269	44	72	481	2,628
RRC District 4 Onshore	8,364	62	980	854	1,895	1,446	1,065	33	219	1,210	8,210
RRC District 5	12,591	92	3,233	951	23	151	3,256	0	3	1,128	17,224
RRC District 6	9,205	79	1,807	826	222	402	1,806	0	104	887	11,468
RRC District 7B	1,589	-35	161	77	33	86	804	0	0	145	2,350
RRC District 7C	4,531	-15	271	167	1,880	1,972	316	0	0	314	4,714
RRC District 8	3,891	14	501	423	198	188	559	0	130	395	4,267
RRC District 8A	82	14	5	11	1	2	9	0	0	12	88
RRC District 9	6,660	4	554	116	48	6	1,302	0	18	534	7,846
RRC District 10	5,634	-49	507	302	496	838	859	3	0	498	6,496
State Offshore	304	-25	11	23	0	0	23	0	0	32	258
Utah	4,894	12	1,085	326	490	543	713	4	0	340	6,095
Virginia	2,302	-25	108	36	0	27	262	0	0	109	2,529
West Virginia	4,638	16	318	370	2	25	425	11	1	197	4,865
Wyoming	24,116	34	4,852	1,860	289	653	4,851	2	0	1,828	30,531
Federal Offshore ^a	10,915	-46	1,240	1,561	763	987	539	575	325	2,178	10,033
Pacific (California)	55	0	0	0	0	0	0	0	0	2	53
Gulf of Mexico (Louisiana) ^a	8,500	1	963	1,172	674	804	410	309	294	1,628	7,807
Gulf of Mexico (Texas)	2,360	-47	277	389	89	183	129	266	31	548	2,173
Miscellaneous ^b	120	14	12	14	18	31	48	38	8	13	226
U.S. Total	190,776	714	28,004	15,664	14,403	14,620	27,157	768	1,171	18,022	215,121

^aIncludes Federal offshore Alabama.

^bIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, Oregon, South Dakota, and Tennessee.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves." They may differ from the official Energy Information Administration production data for natural gas for 2007 contained in the *Natural Gas Annual 2007*, DOE/EIA-0131(07).

Source: Energy Information Administration, Office of Oil and Gas.

Table 6. Associated-Dissolved Natural Gas Proved Reserves, Reserves Changes, and Production Wet After Lease Separation, 2007 (Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

State and Subdivision	Published Proved Reserves 12/31/06	Changes in Reserves During 2007							New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	Proved Reserves 12/31/07
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)			
Alaska	8,886	1	2,098	10	3	1	6	0	0	227	10,752
Lower 48 States	20,754	275	3,302	1,794	1,112	1,349	1,092	46	73	2,069	21,916
Alabama	18	-1	12	1	5	1	0	0	0	4	20
Arkansas	44	-7	11	7	0	0	0	0	0	4	37
California	2,155	6	292	102	8	9	4	0	0	163	2,193
Coastal Region Onshore	208	2	33	22	4	6	0	0	0	12	211
Los Angeles Basin Onshore	161	2	16	17	0	0	0	0	0	8	154
San Joaquin Basin Onshore	1,701	3	231	49	2	3	1	0	0	139	1,749
State Offshore	85	-1	12	14	2	0	3	0	0	4	79
Colorado	1,541	9	214	14	3	15	180	0	0	104	1,838
Florida	50	-1	113	0	48	0	0	0	0	4	110
Kansas	82	8	11	15	0	0	6	0	0	9	83
Kentucky	36	0	0	2	0	0	0	0	0	0	34
Louisiana	561	15	135	94	36	96	20	0	8	64	641
North	90	8	7	23	4	1	2	0	0	8	73
South Onshore	415	5	101	59	32	95	18	0	7	47	503
State Offshore	56	2	27	12	0	0	0	0	1	9	65
Michigan	192	1	2	3	20	24	0	0	0	17	179
Mississippi	21	2	6	1	2	9	0	0	0	5	30
Montana	195	1	60	32	28	26	18	0	0	21	219
New Mexico	1,772	38	254	163	113	122	112	0	0	181	1,841
East	1,690	39	229	146	113	117	112	0	0	174	1,754
West	82	-1	25	17	0	5	0	0	0	7	87
New York	2	9	0	0	0	0	0	0	0	1	10
North Dakota	357	5	64	37	44	48	62	1	4	43	417
Ohio	174	46	22	133	0	0	0	0	0	8	101
Oklahoma	800	-15	278	86	125	108	103	0	0	104	959
Pennsylvania	151	105	9	149	0	1	23	0	0	10	130
Texas	7,069	85	984	571	457	635	378	2	7	602	7,530
RRC District 1	61	5	23	8	4	2	1	0	0	8	72
RRC District 2 Onshore	118	-1	49	11	12	9	0	0	0	15	137
RRC District 3 Onshore	489	24	58	110	83	133	27	1	1	66	474
RRC District 4 Onshore	110	6	38	24	1	3	1	0	0	16	117
RRC District 5	57	3	2	6	0	0	0	0	0	6	50
RRC District 6	276	8	45	34	8	1	5	0	0	46	247
RRC District 7B	74	5	15	8	14	3	0	0	0	13	62
RRC District 7C	1,196	0	125	42	132	162	78	0	3	76	1,314
RRC District 8	2,964	12	267	197	158	169	180	0	3	204	3,036
RRC District 8A	1,302	0	261	75	5	4	53	1	0	98	1,443
RRC District 9	105	46	18	10	0	0	0	0	0	20	139
RRC District 10	316	-22	80	46	40	149	33	0	0	34	436
State Offshore	1	-1	3	0	0	0	0	0	0	0	3
Utah	317	0	40	3	0	4	39	0	0	29	368
Virginia	0	0	0	0	0	0	0	0	0	0	0
West Virginia	16	0	1	0	0	0	0	0	0	1	16
Wyoming	347	-14	172	30	62	20	1	0	0	69	365
Federal Offshore ^a	4,835	-4	622	351	161	231	136	43	54	625	4,780
Pacific (California)	756	-5	48	10	1	3	0	0	0	39	752
Gulf of Mexico (Louisiana) ^a	3,701	0	514	304	156	219	133	4	47	507	3,651
Gulf of Mexico (Texas)	378	1	60	37	4	9	3	39	7	79	377
Miscellaneous ^b	19	-13	0	0	0	0	10	0	0	1	15
U.S. Total	29,640	276	5,400	1,804	1,115	1,350	1,098	46	73	2,296	32,668

^aIncludes Federal offshore Alabama.

^bIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, Oregon, South Dakota, and Tennessee.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves." They may differ from the official Energy Information Administration production data for natural gas for 2007 contained in the *Natural Gas Annual 2007*, DOE/EIA-0131(07).

Source: Energy Information Administration, Office of Oil and Gas.

Table 7. Natural Gas Liquids Proved Reserves, Reserves Changes, and Production, 2007^a
(Million Barrels of 42 U.S. Gallons)

State and Subdivision	Published Proved Reserves 12/31/06	Changes in Reserves During 2007									Proved Reserves 12/31/07
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	
Alaska	338	0	0	0	0	0	0	0	0	13	325
Lower 48 States	8,134	-139	1,187	765	670	771	1,030	30	58	818	8,818
Alabama	56	-13	2	2	4	16	2	0	0	4	53
Arkansas	4	-2	0	0	0	0	1	0	0	0	3
California	132	0	16	15	7	10	1	0	0	11	126
Coastal Region Onshore	22	-7	2	2	0	0	0	0	0	1	14
Los Angeles Basin Onshore	10	1	1	3	0	0	0	0	0	0	9
San Joaquin Basin Onshore	100	6	13	10	7	10	1	0	0	10	103
State Offshore	0	0	0	0	0	0	0	0	0	0	0
Colorado	478	-23	105	23	22	10	67	0	0	33	559
Florida	3	-2	2	0	1	0	0	0	0	0	2
Kansas	209	-9	22	12	3	3	7	0	0	19	198
Kentucky	105	-23	2	5	0	0	13	0	0	3	89
Louisiana	280	33	49	48	42	35	36	0	10	50	303
North	89	14	11	8	27	15	16	0	0	10	100
South Onshore	159	11	30	32	10	16	19	0	7	32	168
State Offshore	32	8	8	8	5	4	1	0	3	8	35
Michigan	42	7	11	4	15	17	0	0	0	3	55
Mississippi	8	0	1	1	0	1	1	0	0	1	9
Montana	10	1	1	1	0	0	1	0	0	1	11
New Mexico	861	17	126	117	33	25	39	1	1	76	844
East	295	11	39	35	21	19	33	1	1	37	306
West	566	6	87	82	12	6	6	0	0	39	538
North Dakota	55	1	8	7	4	5	6	0	0	6	58
Oklahoma	892	-4	110	73	93	80	119	0	2	84	949
Texas	3,335	-113	428	291	389	495	484	5	29	325	3,658
RRC District 1	42	12	3	6	12	12	3	0	0	5	49
RRC District 2 Onshore	90	4	14	12	12	15	27	0	1	16	111
RRC District 3 Onshore	234	-3	35	42	43	99	23	3	6	41	271
RRC District 4 Onshore	333	-2	47	42	71	56	46	2	8	50	327
RRC District 5	53	-8	10	5	0	0	10	0	0	4	56
RRC District 6	357	-24	79	35	8	14	73	0	3	33	426
RRC District 7B	133	4	16	7	4	7	68	0	0	14	203
RRC District 7C	439	35	34	21	170	173	33	0	0	32	491
RRC District 8	566	-52	61	53	26	39	58	0	10	45	558
RRC District 8A	233	8	45	17	1	2	11	0	0	19	262
RRC District 9	385	-78	34	6	2	0	59	0	1	26	367
RRC District 10	466	-9	50	44	40	78	73	0	0	40	534
State Offshore	4	0	0	1	0	0	0	0	0	0	3
Utah and Wyoming	887	-5	173	64	16	28	205	0	0	68	1,140
West Virginia	110	0	8	9	0	1	10	0	0	5	115
Federal Offshore ^b	653	-7	116	91	41	45	36	24	16	127	624
Pacific (California)	4	0	0	0	0	0	0	0	0	0	4
Gulf of Mexico (Louisiana) ^b	575	-3	90	84	40	44	25	13	16	108	528
Gulf of Mexico (Texas)	74	-4	26	7	1	1	11	11	0	19	92
Miscellaneous ^c	14	3	7	2	0	0	2	0	0	2	22
U.S. Total	8,472	-139	1,187	765	670	771	1,030	30	58	831	9,143

^aThis table is natural gas plant liquids plus lease condensate.

^bIncludes Federal offshore Alabama.

^cIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, and Virginia.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." They may differ from the official Energy Information Administration production data for natural gas and natural gas liquids for 2007 contained in the publications *Petroleum Supply Annual 2007*, DOE/EIA-0340(07) and *Natural Gas Annual 2007* DOE/EIA-0131(07).

Source: Energy Information Administration, Office of Oil and Gas.

Table 8. Deepwater Production and Proved Reserves of the Gulf of Mexico Federal Offshore, 1992-2007

Year	Gulf of Mexico			Depth		Deepwater Percentage
	Total	Louisiana ^a	Texas	Greater than 200 meters	Less than 200 meters	
Crude Oil (million barrels of 42 U.S. gallons)						
Production						
1992	267	253	14	46	221	17.2
1993	266	252	14	46	220	17.3
1994	265	245	20	53	212	20.1
1995	292	262	30	77	215	26.4
1996	303	265	38	90	213	29.7
1997	342	298	44	123	219	36.0
1998	372	336	36	171	201	46.0
1999	421	376	45	228	193	54.2
2000	419	381	38	234	185	55.8
2001	459	417	42	286	173	62.2
2002	452	395	57	288	164	63.8
2003	485	426	59	336	149	69.3
2004	467	404	63	310	157	66.4
2005	409	342	67	305	104	75.0
2006	406	348	58	318	87	78.5
2007	414	372	42	315	99	76.0
Reserves						
1992	1,835	1,643	192	557	1,278	30.4
1993	2,072	1,880	192	824	1,248	39.8
1994	2,127	1,922	205	877	1,250	41.2
1995	2,518	2,269	249	1,241	1,277	49.3
1996	2,567	2,357	210	1,311	1,256	51.1
1997	2,949	2,587	362	1,682	1,267	57.0
1998	2,793	2,483	310	1,611	1,182	57.8
1999	2,744	2,442	302	1,626	1,118	59.3
2000	3,174	2,751	423	2,021	1,153	63.7
2001	4,288	3,877	411	3,208	1,080	74.8
2002	4,444	4,088	356	3,372	1,072	75.9
2003	4,554	4,251	303	3,627	927	79.6
2004	4,144	3,919	225	3,280	864	79.2
2005	4,042	3,851	191	3,272	770	81.0
2006	3,655	3,500	155	2,983	672	81.6
2007	3,464	3,320	144	2,872	622	82.0

^aIncludes Federal Offshore Alabama.

Source: Based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves."

**Table 8. Deepwater Production and Proved Reserves of the Gulf of Mexico Federal Offshore, 1992-2007
(continued)**

Year	Gulf of Mexico			Depth		Deepwater Percentage
	Total	Louisiana ^a	Texas	Greater than 200 meters	Less than 200 meters	
Natural Gas, Wet After Lease Separation (billion cubic feet at 14.73 psia and 60° Fahrenheit)						
Production						
1992	4,576	3,292	1,284	166	4,410	3.6
1993	4,651	3,383	1,268	229	4,422	4.9
1994	4,797	3,505	1,292	294	4,503	6.1
1995	4,679	3,421	1,258	354	4,315	7.8
1996	5,045	3,752	1,293	549	4,496	10.9
1997	5,230	3,984	1,246	577	4,653	11.0
1998	4,967	3,817	1,150	724	4,243	14.6
1999	5,000	3,829	1,171	1,124	3,876	22.5
2000	4,901	3,747	1,154	1,196	3,705	24.4
2001	5,027	3,843	1,184	1,367	3,660	27.2
2002	4,544	3,541	1,003	1,365	3,180	30.0
2003	4,397	3,330	1,067	1,545	2,852	35.1
2004	3,967	2,890	1,077	1,251	2,716	31.5
2005	2,968	2,056	912	1,070	1,898	36.1
2006	2,805	2,036	769	1,112	1,692	39.6
2007	2,762	2,135	627	823	1,939	29.8
Reserves						
1992	27,050	20,006	7,044	3,273	23,777	12.1
1993	26,463	19,751	6,712	3,495	22,968	13.2
1994	27,626	21,208	6,418	4,772	22,854	17.3
1995	28,229	21,664	6,565	5,811	22,418	20.6
1996	28,153	22,119	6,034	6,389	21,764	22.7
1997	28,455	22,428	6,027	7,491	20,964	26.3
1998	26,937	21,261	5,676	7,575	19,362	28.1
1999	26,062	20,172	5,890	7,726	18,336	29.6
2000	26,891	20,466	6,425	8,731	18,160	32.5
2001	27,100	20,290	6,810	11,229	15,871	41.4
2002	25,347	19,113	6,234	10,540	14,807	41.6
2003	22,522	17,168	5,354	10,041	12,481	44.6
2004	19,288	15,144	4,144	8,591	10,698	44.5
2005	17,427	14,073	3,354	8,042	9,385	46.1
2006	14,938	12,201	2,737	6,690	8,248	44.8
2007	14,008	11,458	2,550	4,120	9,888	29.4

^aIncludes Federal Offshore Alabama.

Source: Based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves."

Table 9. Coalbed Natural Gas Proved Reserves and Production for 1989–2007
(Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

Year	Alabama	Colorado	New Mexico	Utah	Virginia	Wyoming	Eastern States ^a	Western States ^b	Others ^c	United States
Reserves										
1989	537	1,117	2,022	NA	NA	NA	NA	NA	0	3,676
1990	1,224	1,320	2,510	NA	NA	NA	NA	NA	33	5,087
1991	1,714	2,076	4,206	NA	NA	NA	NA	NA	167	8,163
1992	1,968	2,716	4,724	NA	NA	NA	NA	NA	626	10,034
1993	1,237	3,107	4,775	NA	NA	NA	NA	NA	1,065	10,184
1994	976	2,913	4,137	NA	NA	NA	NA	NA	1,686	9,712
1995	972	3,461	4,299	NA	NA	NA	NA	NA	1,767	10,499
1996	823	3,711	4,180	NA	NA	NA	NA	NA	1,852	10,566
1997	1,077	3,890	4,351	NA	NA	NA	NA	NA	2,144	11,462
1998	1,029	4,211	4,232	NA	NA	NA	NA	NA	2,707	12,179
1999	1,060	4,826	4,080	NA	NA	NA	NA	NA	3,263	13,229
2000	1,241	5,617	4,278	1,592	NA	1,540	1,399	41	--	15,708
2001	1,162	6,252	4,324	1,685	NA	2,297	1,453	358	--	17,531
2002	1,283	6,691	4,380	1,725	NA	2,371	1,488	553	--	18,491
2003	1,665	6,473	4,396	1,224	NA	2,759	1,528	698	--	18,743
2004	1,900	5,787	5,166	934	NA	2,085	1,620	898	--	18,390
2005	1,773	6,772	5,249	902	NA	2,446	1,822	928	--	19,892
2006	2,068	6,344	4,894	750	1,813	2,448	273	1,030	--	19,620
2007	2,127	7,869	4,169	922	1,948	2,738	393	1,709	--	21,875
Production										
1989	23	12	56	NA	NA	NA	NA	NA	0	91
1990	36	26	133	NA	NA	NA	NA	NA	1	196
1991	68	48	229	NA	NA	NA	NA	NA	3	348
1992	89	82	358	NA	NA	NA	NA	NA	10	539
1993	103	125	486	NA	NA	NA	NA	NA	18	752
1994	108	179	530	NA	NA	NA	NA	NA	34	851
1995	109	226	574	NA	NA	NA	NA	NA	47	956
1996	98	274	575	NA	NA	NA	NA	NA	56	1,003
1997	111	312	597	NA	NA	NA	NA	NA	70	1,090
1998	123	401	571	NA	NA	NA	NA	NA	99	1,194
1999	108	432	582	NA	NA	NA	NA	NA	130	1,252
2000	109	451	550	74	NA	133	58	NA	--	1,379
2001	111	490	517	83	NA	278	69	NA	--	1,562
2002	117	520	471	103	NA	302	68	NA	--	1,614
2003	98	488	451	97	NA	344	71	NA	--	1,600
2004	121	520	528	82	NA	320	72	NA	--	1,720
2005	113	515	514	75	NA	336	90	NA	--	1,732
2006	114	477	510	66	81	378	24	108	--	1,758
2007	114	519	395	73	85	401	31	136	--	1,754

^aIncludes Illinois, Indiana, Ohio, Pennsylvania, Virginia, and West Virginia. Beginning in 2006, Virginia is individually listed.

^bIncludes Arkansas, Kansas, Louisiana, Montana, and Oklahoma.

^cIncludes Oklahoma, Pennsylvania, Utah, Virginia, West Virginia, and Wyoming. Beginning in 2000, these states are individually listed or grouped in Eastern States and Western States.

NA -- Not applicable.

Source: Energy Information Administration, Office of Oil and Gas.

Figure 1. U.S. Crude Oil Proved Reserves, 1997 – 2007

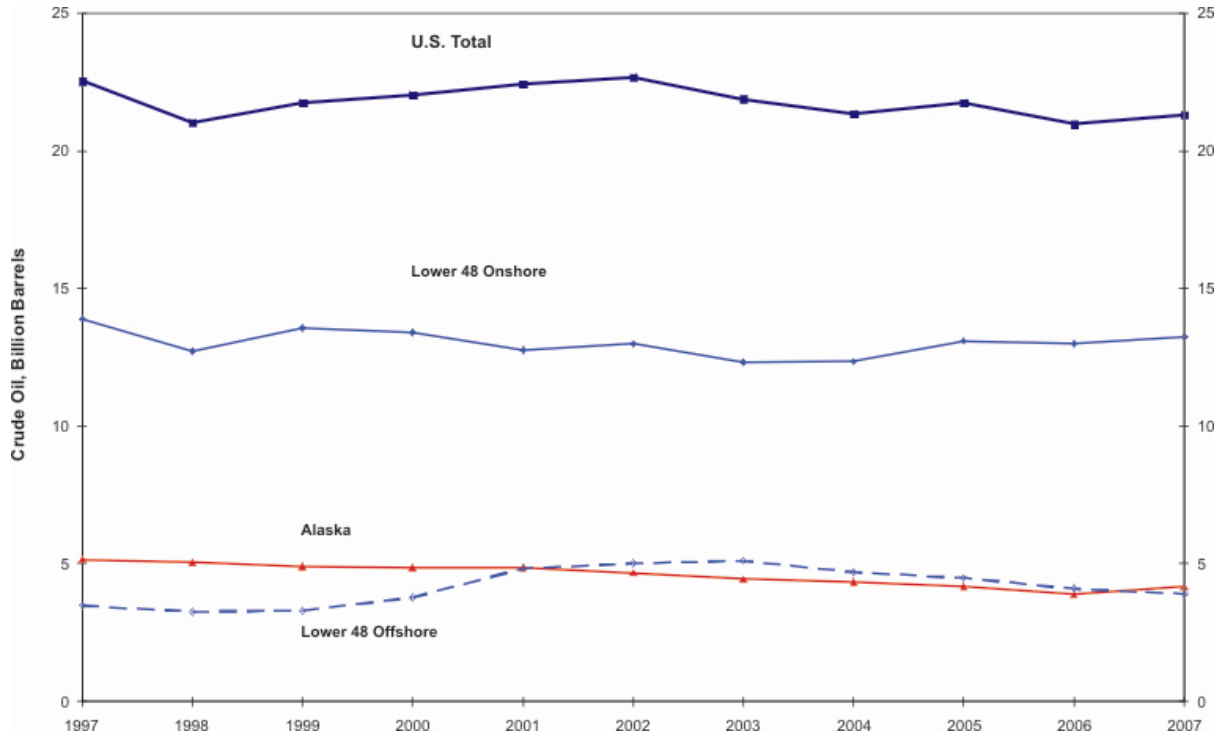
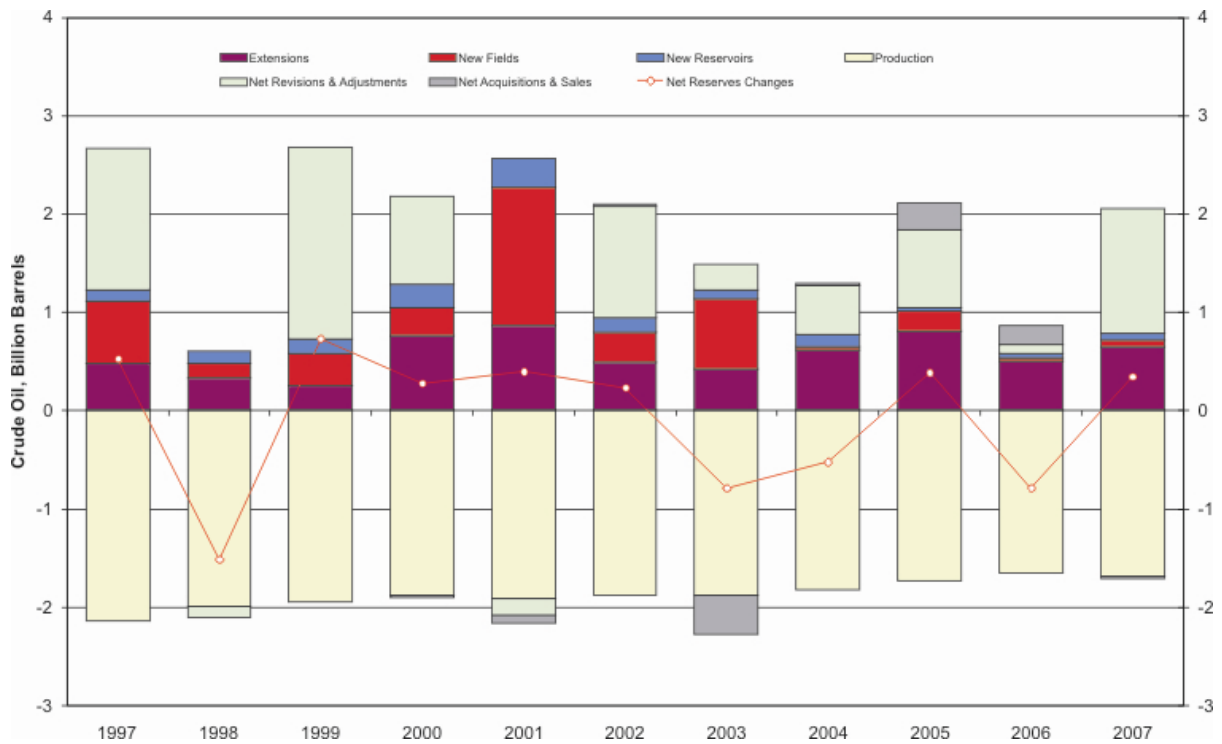


Figure 2. Components of Reserves Changes for Crude Oil, 1997 – 2007



Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1997 through 2007 annual reports, DOE/EIA-0216.

Figure 3. U.S. Dry Natural Gas Proved Reserves, 1997 – 2007

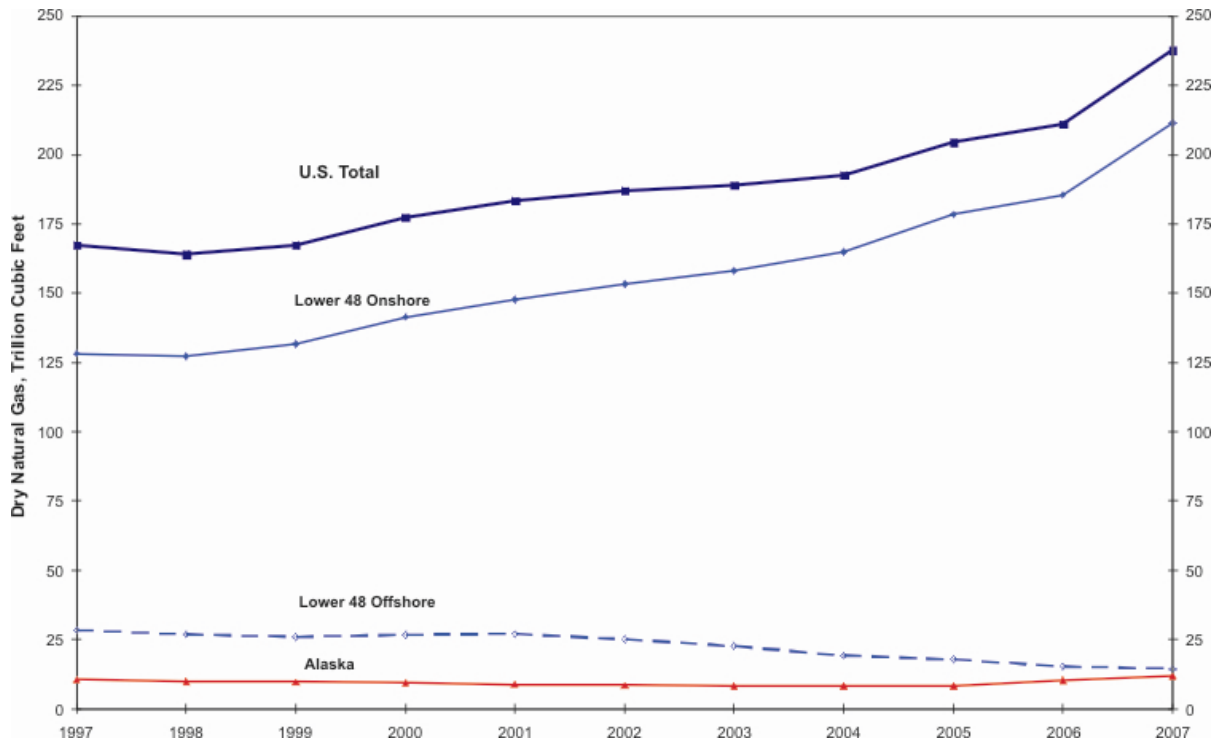
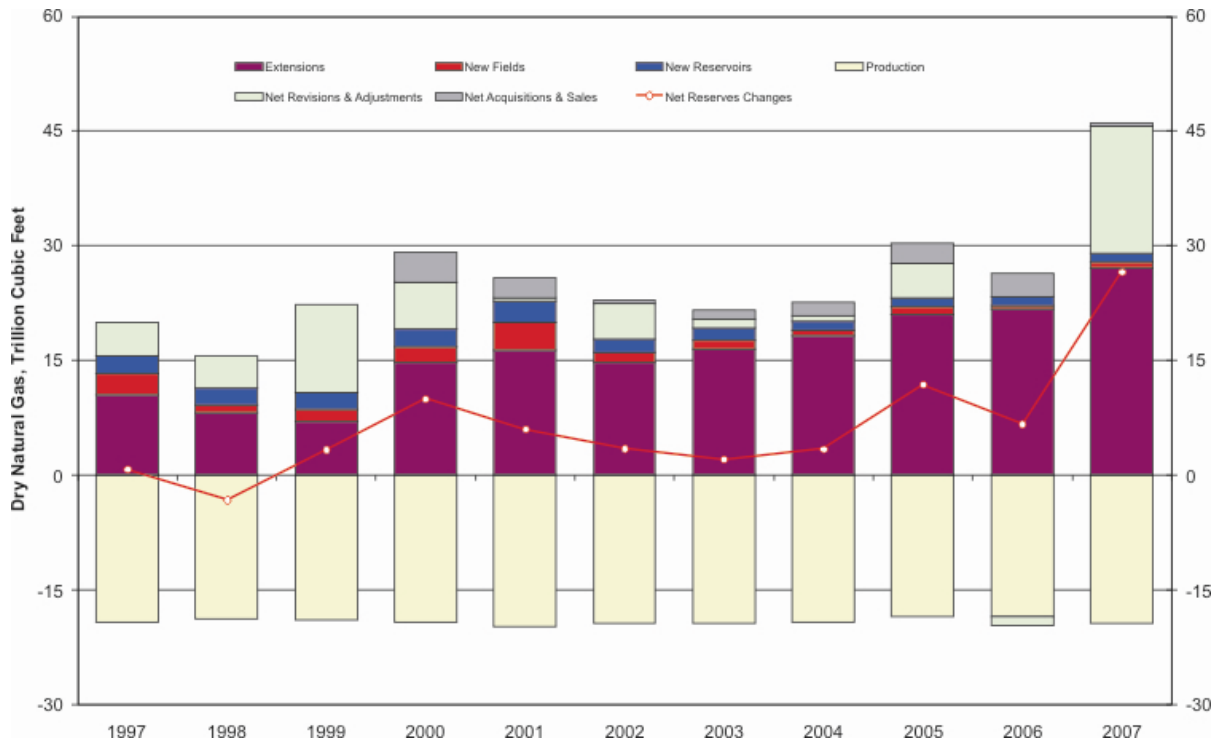


Figure 4. Components of Reserves Changes for Dry Natural Gas, 1997 – 2007



Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1997 through 2007 annual reports, DOE/EIA-0216.

Figure 5. Crude Oil Production Replaced by Reserves Additions, 1997 – 2007

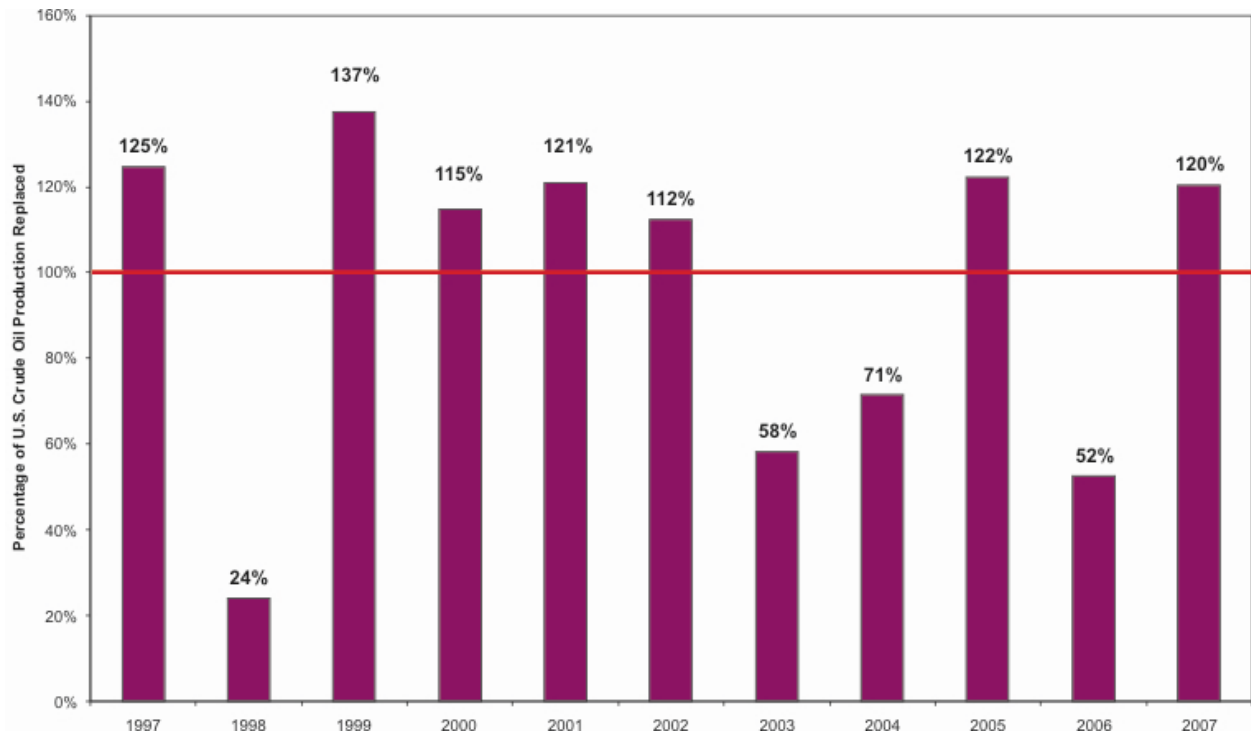
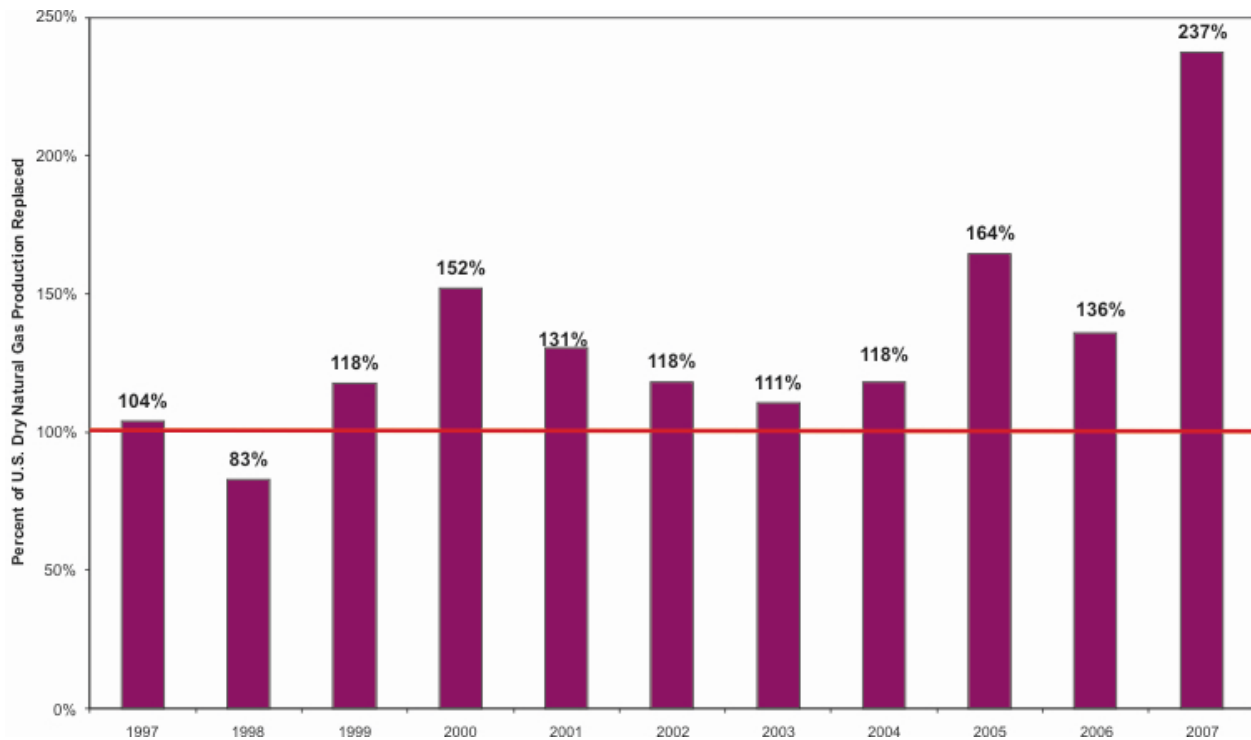


Figure 6. Dry Natural Gas Production Replaced by Reserves Additions, 1997 – 2007



Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1997 through 2007 annual reports, DOE/EIA-0216.

Figure 7. Exploratory Wells Drilled, 1997 – 2007

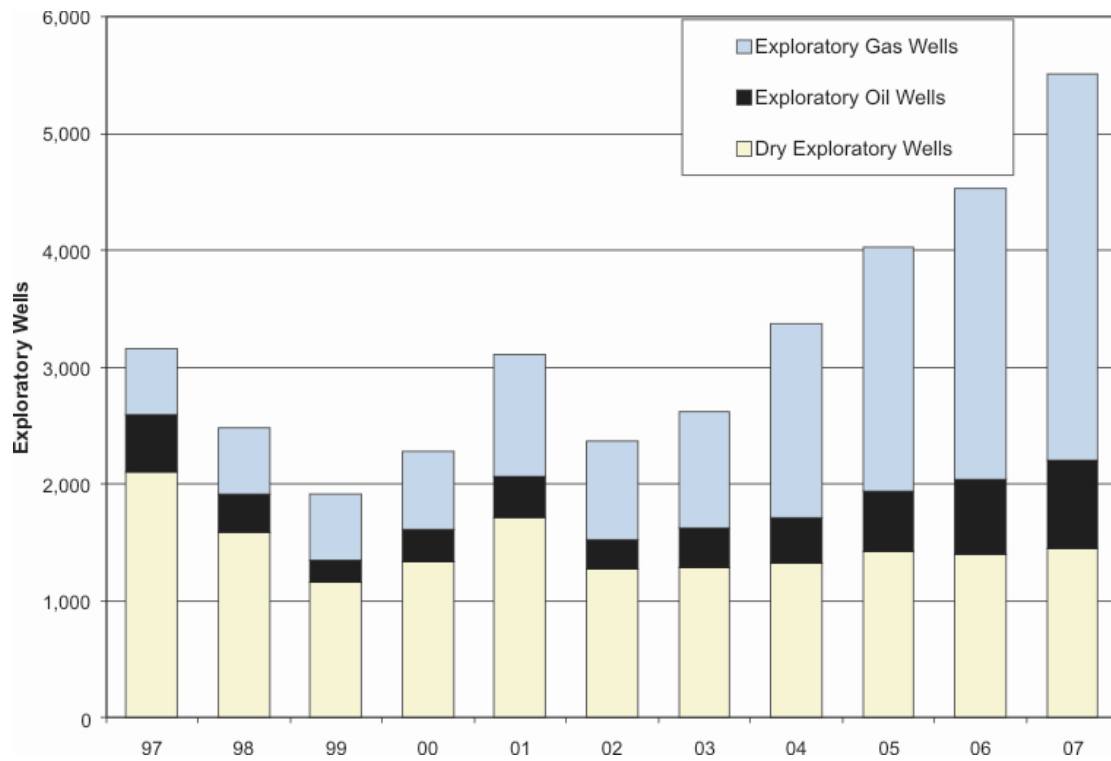
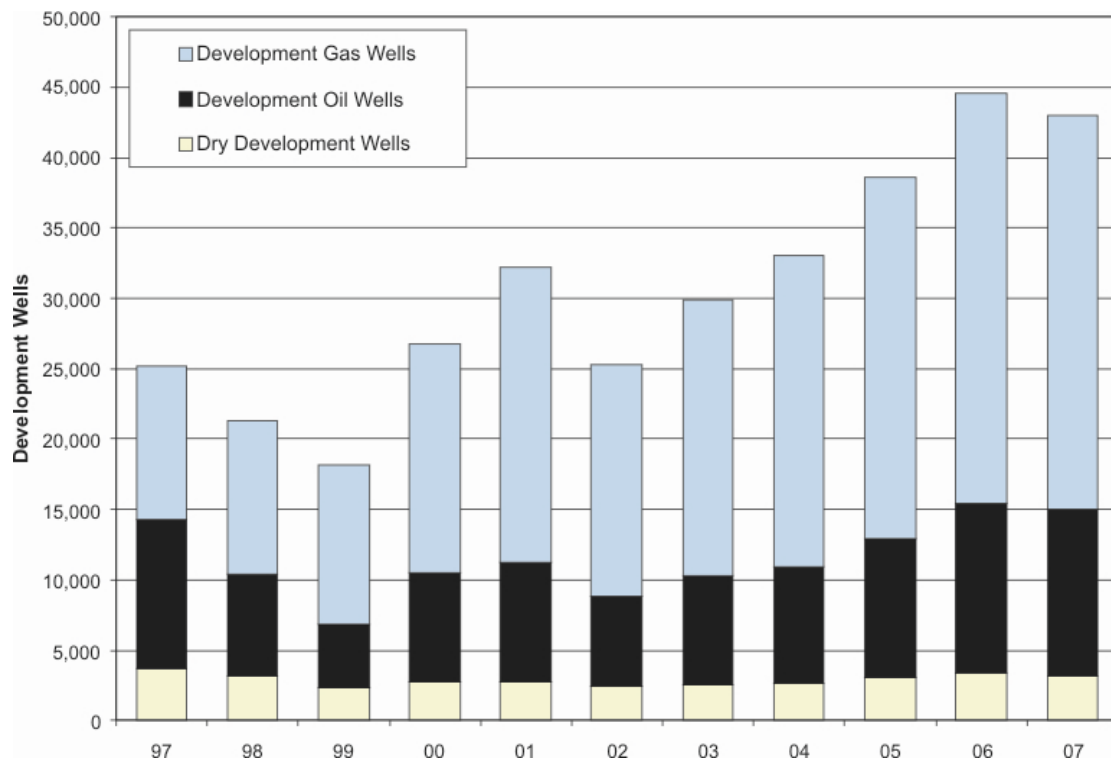


Figure 8. Development Wells Drilled, 1997 – 2007



Source: EIA *Monthly Energy Review*, Table 5.2 Crude Oil and Natural Gas Wells Drilled, September 2008.

Figure 9. U.S. Coalbed Natural Gas Proved Reserves, 1989 – 2007

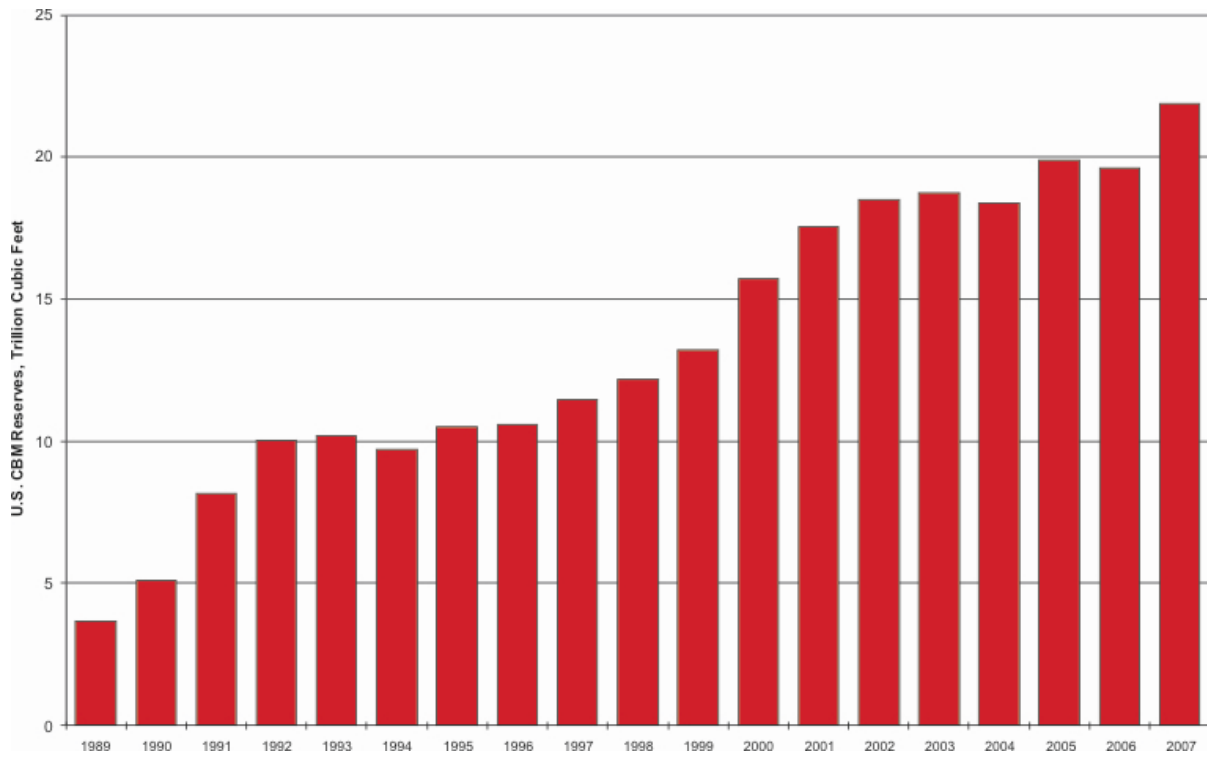
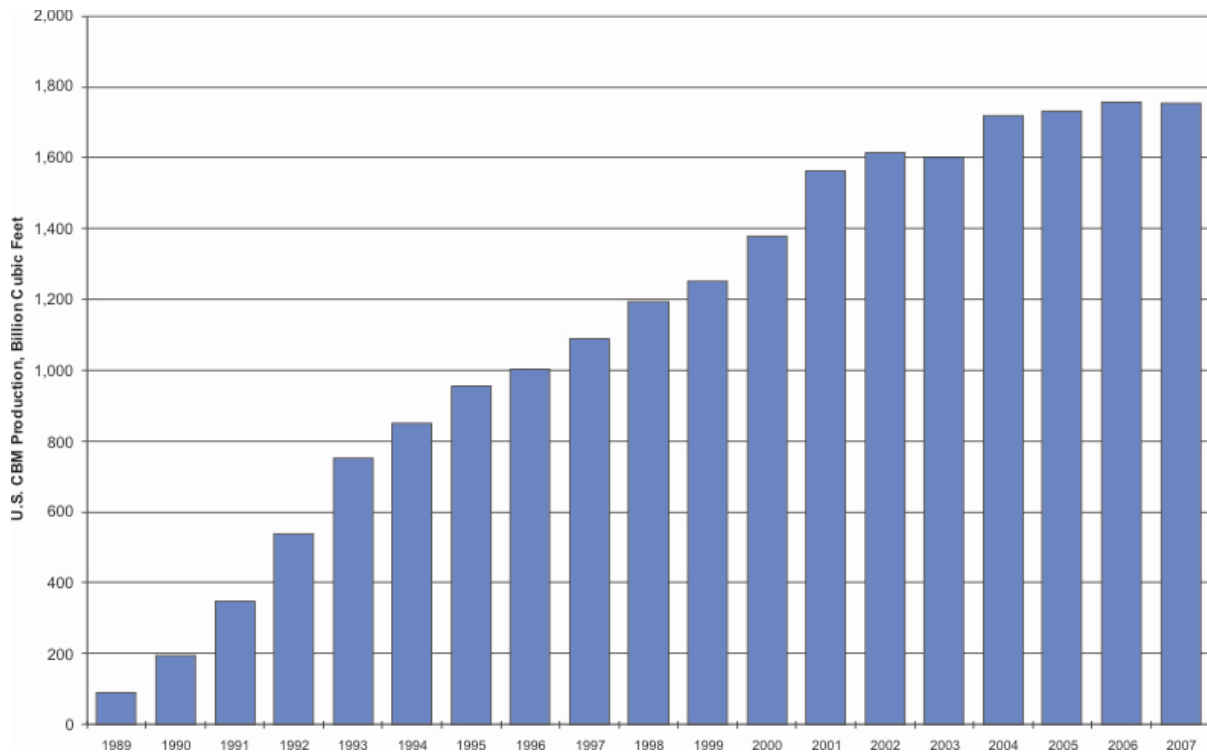


Figure 10. U.S. Coalbed Natural Gas Production, 1989 – 2007



Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1989 through 2007 annual reports, DOE/EIA-0216.

Figure 11. 30-Year History of U.S. Dry Natural Gas Proved Reserves, 1977 – 2007

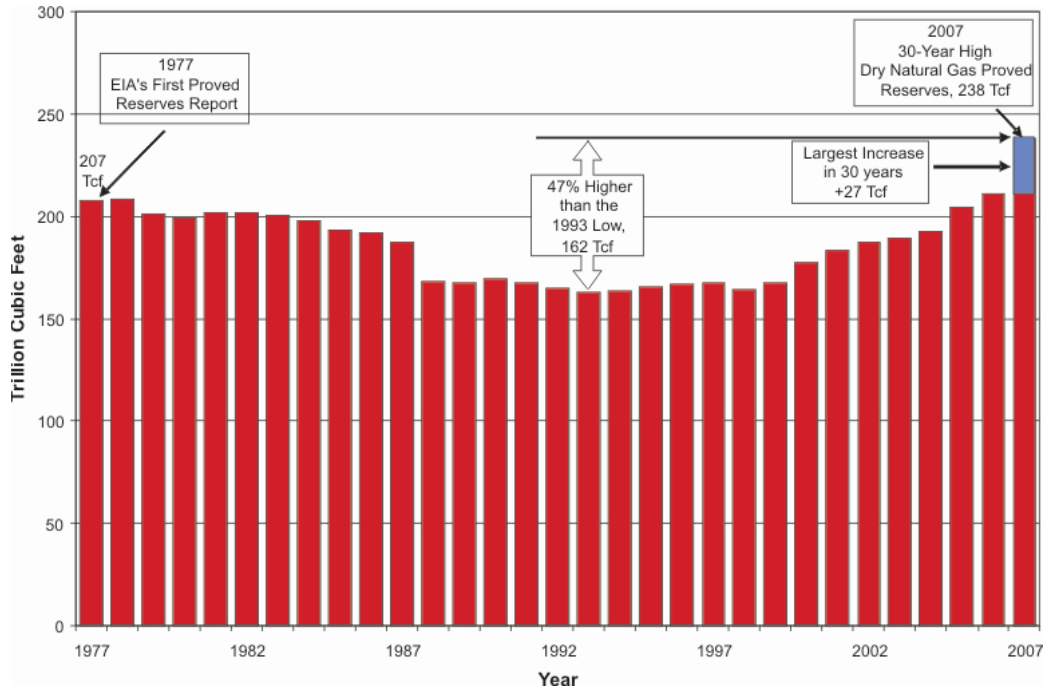
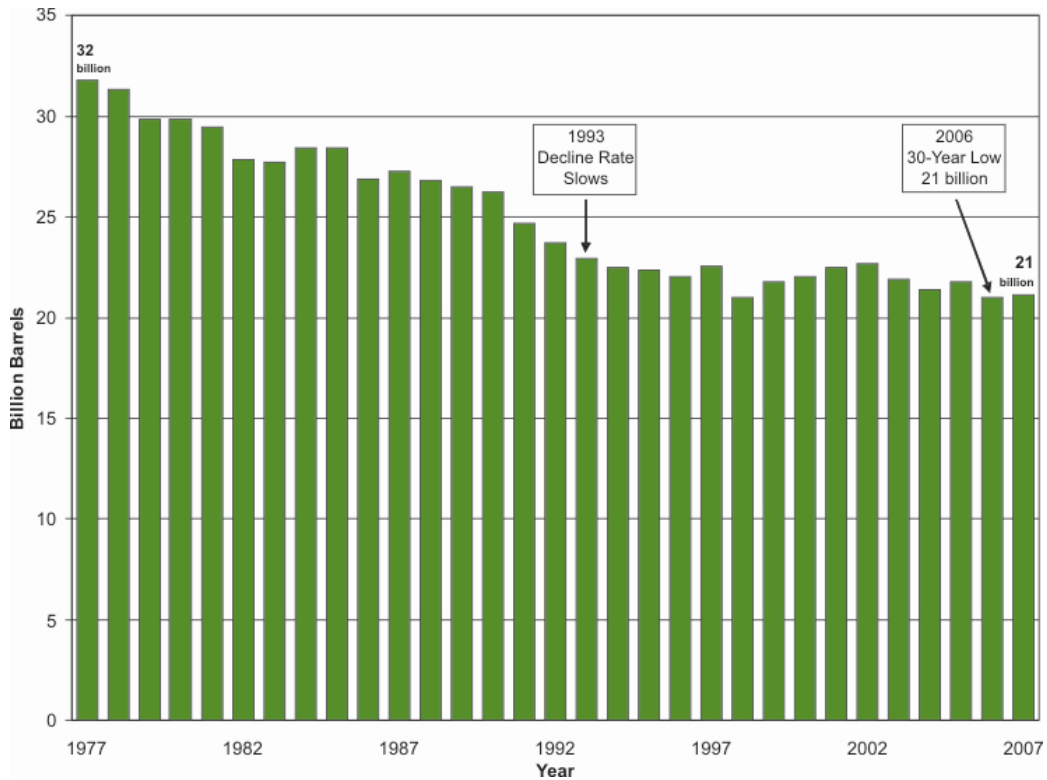


Figure 12. 30-Year History of U.S. Crude Oil Proved Reserves, 1977 – 2007



Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1977 through 2007 annual reports, DOE/EIA-0216.