

# **Advance Summary**

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

### **2005 Annual Report**

**September 2006**

**Energy Information Administration**

Office of Oil and Gas

U.S. Department of Energy

Washington, DC 20585

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should not be construed as advocating or reflecting any policy position of the Department of Energy or any other organization.

Released for printing September 26, 2006

# Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves 2005 Annual Report

Reserves additions replaced 164 percent of 2005 dry gas production as U.S. gas reserves increased for the seventh year in a row. Proved reserves of natural gas increased by 6 percent in 2005, the largest annual increase in natural gas proved reserves since 1970.

## **As of December 31, 2005 proved reserves were:**

<b>Crude Oil</b> (million barrels)	
2004	21,371
2005	21,757
Increase	+1.8%
<b>Dry Natural Gas</b> (billion cubic feet)	
2004	192,513
2005	204,385
Increase	+6.2%
<b>Natural Gas Liquids</b> (million barrels)	
2004	7,928
2005	8,165
Increase	+3.0%

Reserves additions of crude oil replaced 122 percent of the 2005 production. Crude oil proved reserves increased for the first time in 3 years, up 2 percent from 2004.

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. Petroleum engineering and geological judgment are required in estimating proved reserves; therefore the results are not precise measurements.

## **Natural Gas**

Gas reserves additions onshore in the lower 48 States were large enough to overcome a 10 percent drop in gas reserves reported for the Gulf of Mexico Federal Offshore. The majority of natural gas reserves additions in 2005 resulted from extensions of existing

gas fields rather than new field or reservoir discoveries. Texas and Colorado led the nation in 2005 natural gas reserves additions with notable reserves increases in the Newark East Field (Barnett Shale, TX) and Ignacio-Blanco Field (tight sands and coalbeds, CO).

Total U.S. natural gas production declined 4 percent in 2005 because, in August and September of 2005, Hurricanes Katrina and Rita wreaked havoc along the Gulf Coast. Beyond devastating much of coastal Alabama, Louisiana, Mississippi, and the flooding of New Orleans, these storms destroyed 113 offshore platforms and seriously damaged offshore pipelines and coastal oil and natural gas processing facilities, impacting the Nation's oil and gas production. At its nadir, natural gas production in the Gulf of Mexico (which accounted for 20 percent of U.S. dry gas production in 2004) was cut by 80 percent. Gulf of Mexico production slowly returned and is expected to reach roughly 90 percent of 2005's pre-hurricane production rate in September 2006. For several years before Hurricane Katrina, gas production from the Gulf had been declining about 10 percent per year.

Total discoveries of dry natural gas reserves attributed to the drilling of exploratory wells, which include field extensions, new field discoveries, and new reservoir discoveries in old fields, were 23,200 billion cubic feet in 2005. This was 45 percent more than the prior 10-year average and 15 percent more than in 2004.

The majority of natural gas total discoveries in 2005 were from extensions to existing gas fields. Field extensions were 21,050 billion cubic feet, 16 percent more than in 2004 and 74 percent more than the prior 10-year average (12,101 billion cubic feet).

New field discoveries were 942 billion cubic feet, 24 percent more than the volume discovered in 2004 and 46 percent less than the prior 10-year average (1,731 billion cubic feet).

New reservoir discoveries in old fields were 1,208 billion cubic feet, up slightly from 2004 and 45 percent less than the prior 10-year average (2,198 billion cubic feet).

Natural gas net revisions and adjustments were 4,586 billion cubic feet, which is seven times the net revisions and adjustments of 2004, but 7 percent less than the prior 10-year average (4,908 billion cubic feet). The net of sales and acquisitions of dry natural gas proved reserves was 2,544 billion cubic feet.

Coalbed natural gas reserves increased 8 percent in 2005 and accounted for 10 percent of U.S. dry natural gas reserves. Coalbed natural gas production increased less than 1 percent from 2004 and accounted for 9 percent of U.S. dry natural gas production.

Other 2005 natural gas events of note:

- Natural gas prices at the wellhead rose 38 percent in 2005 to an average of \$7.51 per thousand cubic feet, as compared to \$5.46 per thousand cubic feet in 2004.
- Exploratory and developmental gas completions were up 27 percent from 2004.

## Crude Oil

Reserves additions of crude oil replaced 122 percent of the 2005 production. Crude oil proved reserves increased for the first time in 3 years, increasing by 2 percent from 2004. Two of the four largest U.S. oil-producing areas, Texas and California, reported increases in proved crude oil reserves in 2005 while Alaska and the Gulf of Mexico Federal Offshore reported declines. Several significant deepwater discoveries that have been made in recent years in the Gulf are not yet booked as proved reserves. Texas reported the largest increase in crude oil reserves, a majority from the Permian Basin in west Texas. Wyoming and Montana had the second and third largest increases.

U.S. crude oil production declined in 2005 due to lower production in the Gulf of Mexico and Alaska. The Rocky Mountain States generally increased crude oil production in 2005 with the largest increase occurring in Montana (up 36 percent) from development of the Bakken formation of the Williston Basin.

Total discoveries of crude oil were 1,051 million barrels in 2005, 7 percent less than the prior 10-year average and 34 percent more than 2004's discoveries of 782 million barrels.

The majority of crude oil total discoveries in 2005 came from extensions to fields in Texas, California, Montana, and Wyoming.

New field discoveries accounted for 205 million barrels of crude oil reserves additions. Almost all of these discoveries (201 of 205 million) were in the Gulf of Mexico Federal Offshore. This was 6 times greater than the new field discoveries of 2004 and

only 49 percent of the prior 10-year average (419 million barrels).

Operators discovered 805 million barrels in extensions in 2005, 30 percent more than in 2004 and 53 percent more than the prior 10-year average (527 million barrels).

New reservoir discoveries in old fields were 41 million barrels, 69 percent less than 2004 and only 23 percent of the prior 10-year average (180 million barrels).

Reserves additions are the sum of total discoveries, revisions, adjustments, sales, and acquisitions. In 2005, reserve additions were 2,119 million barrels, 63 percent more than the volume of reserves additions in 2004 and 13 percent more than the prior 10-year average (1,875 million barrels).

Crude oil net revisions and adjustments were 790 million barrels, 60 percent more than the net revisions and adjustments of 2004 and almost equal to the prior 10-year average (795 million barrels). The net of sales and acquisitions of crude oil proved reserves was 278 million barrels.

Other 2005 crude oil events of note:

- The annual average domestic first purchase price for crude oil increased 37 percent from \$36.77 per barrel in 2004 to \$50.28 per barrel.
- Exploratory and developmental oil completions were up 25 percent from 2004.

## Natural Gas Liquids

Natural gas liquids reserves are the sum of lease condensate reserves and natural gas plant liquids reserves. Natural gas liquids proved reserves increased 3 percent in 2005. Operators replaced 130 percent of U.S. natural gas liquids production with reserves additions.

Total proved reserves of liquid hydrocarbons (crude oil plus natural gas liquids) were 29,922 million barrels in 2005, a 2 percent increase from the 2004 level. Natural gas liquids represented 27 percent of total liquid hydrocarbon proved reserves in 2005.

## Data

These estimates are based upon analysis of data from Form EIA-23, Annual Survey of Domestic Oil and Gas Reserves, filed by 1,394 operators of oil and gas wells, and Form EIA-64A, Annual Report of the Origin of Natural Gas Liquids Production, filed by operators of 508 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.

**Table 1. Total U.S. Proved Reserves of Crude Oil, Dry Natural Gas, and Natural Gas Liquids, 1995-2005**

Year	Adjustments (1)	Net Revisions (2)	Revisions <sup>a</sup> and Adjustments (3)	Net of Sales <sup>b</sup> and Acquisitions (4)	Extensions (5)	New Field Discoveries (6)	New Reservoir Discoveries in Old Fields (7)	Total <sup>c</sup> Discoveries (8)	Estimated Production (9)	Proved <sup>d</sup> Reserves 12/31 (10)	Change from Prior Year (11)
<b>Crude Oil (million barrels of 42 U.S. gallons)</b>											
1995	122	1,028	1,150	NA	500	114	343	957	2,213	22,351	-106
1996	175	737	912	NA	543	243	141	927	2,173	22,017	-334
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
<b>Dry Natural Gas (billion cubic feet, 14.73 psia, 60° Fahrenheit)</b>											
1995	580	7,734	8,314	NA	6,843	1,666	2,452	10,961	17,966	165,146	+1,309
1996	3,785	4,086	7,871	NA	7,757	1,451	3,110	12,318	18,861	166,474	+1,328
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
<b>Natural Gas Liquids (million barrels of 42 U.S. gallons)</b>											
1995	192	277	469	NA	432	52	67	551	791	7,399	+229
1996	474	175	649	NA	451	65	109	625	850	7,823	+424
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

<sup>a</sup>Revisions and adjustments = Col. 1 + Col. 2.

<sup>b</sup>Net of sales and acquisitions = acquisitions - sales.

<sup>c</sup>Total discoveries = Col. 5 + Col. 6 + Col. 7.

<sup>d</sup>Proved 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 2005 contained in the *Petroleum Supply Annual 2005*, DOE/EIA-0340(05) and the *Natural Gas Annual 2005*, DOE/EIA-0131(05).

**Table 2. Crude Oil Proved Reserves, Reserves Changes, and Production, 2005**  
(Million Barrels of 42 U.S. Gallons)

State and Subdivision	Published Proved Reserves 12/31/04	Changes in Reserves During 2005									Proved Reserves 12/31/05
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	
Alaska	4,327	-2	188	86	37	37	56	0	0	312	4,171
<b>Lower 48 States</b>	<b>17,044</b>	<b>223</b>	<b>1,356</b>	<b>889</b>	<b>786</b>	<b>1,064</b>	<b>749</b>	<b>205</b>	<b>41</b>	<b>1,421</b>	<b>17,586</b>
Alabama	53	0	3	2	0	0	6	0	0	5	55
Arkansas	51	-5	3	3	5	4	0	0	0	5	40
California	3,376	16	177	70	4	23	147	0	0	230	3,435
Coastal Region Onshore	380	3	12	15	2	1	10	0	0	15	374
Los Angeles Basin Onshore	286	9	26	29	2	22	4	0	0	16	300
San Joaquin Basin Onshore	2,523	4	95	13	0	0	131	0	0	184	2,556
State Offshore	187	0	44	13	0	0	2	0	0	15	205
Colorado	225	-1	33	5	54	55	16	0	0	19	250
Florida	65	1	0	4	0	0	0	0	0	3	59
Illinois	92	10	3	1	0	1	0	0	0	10	95
Indiana	11	6	1	0	0	0	0	0	0	2	16
Kansas	245	32	44	18	1	4	6	0	2	33	281
Kentucky	27	-3	1	0	0	0	0	0	0	2	23
Louisiana	427	23	54	44	21	26	19	0	3	55	432
North	58	5	11	9	0	1	10	0	0	8	68
South Onshore	304	18	36	31	19	19	8	0	3	39	299
State Offshore	65	0	7	4	2	6	1	0	0	8	65
Michigan	53	1	7	1	0	0	7	0	0	5	62
Mississippi	178	2	25	8	1	11	0	0	0	18	189
Montana	364	-1	24	23	2	7	87	0	1	30	427
Nebraska	15	1	2	0	0	0	0	0	0	2	16
New Mexico	669	9	52	40	29	44	43	0	0	58	690
East	662	10	50	40	29	43	43	0	0	57	682
West	7	-1	2	0	0	1	0	0	0	1	8
North Dakota	389	-4	26	16	1	6	49	2	1	34	418
Ohio	49	-4	5	4	0	0	3	0	1	4	46
Oklahoma	570	54	86	61	71	80	22	0	1	51	630
Pennsylvania	12	3	1	2	0	0	2	0	0	2	14
Texas	4,613	64	455	229	520	723	163	2	3	355	4,919
RRC District 1	58	-1	5	3	0	2	12	0	1	9	65
RRC District 2 Onshore	56	2	5	2	2	3	7	0	0	7	62
RRC District 3 Onshore	185	-2	19	11	2	5	9	0	1	25	179
RRC District 4 Onshore	27	2	9	3	7	15	1	0	0	4	40
RRC District 5	23	3	5	3	7	7	0	0	0	4	24
RRC District 6	187	-1	6	12	2	1	4	0	0	15	168
RRC District 7B	73	13	6	4	1	1	1	0	0	9	80
RRC District 7C	206	6	16	10	56	63	36	1	0	17	245
RRC District 8	1,552	11	172	96	193	325	70	0	0	110	1,731
RRC District 8A	2,090	20	192	74	239	292	17	0	1	135	2,164
RRC District 9	102	12	10	7	8	5	2	1	0	14	103
RRC District 10	45	3	8	3	3	4	4	0	0	5	53
State Offshore	9	-4	2	1	0	0	0	0	0	1	5
Utah	215	7	65	35	0	0	19	0	0	15	256
West Virginia	11	4	7	0	0	0	0	0	0	1	21
Wyoming	628	8	28	17	35	56	81	0	0	45	704
Federal Offshore	4,691	0	253	305	42	24	68	201	29	436	4,483
Pacific (California)	547	-1	3	81	0	0	0	0	0	27	441
Gulf of Mexico (Louisiana)	3,919	1	206	198	25	23	55	199	14	342	3,852
Gulf of Mexico (Texas)	225	0	44	26	17	1	13	2	15	67	190
Miscellaneous <sup>a</sup>	15	0	1	1	0	0	11	0	0	1	25
<b>U.S. Total</b>	<b>21,371</b>	<b>221</b>	<b>1,544</b>	<b>975</b>	<b>823</b>	<b>1,101</b>	<b>805</b>	<b>205</b>	<b>41</b>	<b>1,733</b>	<b>21,757</b>

<sup>a</sup>Includes 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 2005 contained in the *Petroleum Supply Annual 2005, DOE/EIA-0340(05)*.

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

**Table 3. Dry Natural Gas Proved Reserves, Reserves Changes, and Production, 2005**  
(Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

State and Subdivision	Published Proved Reserves 12/31/04	Changes in Reserves During 2005									Proved Reserves 12/31/05
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	
Alaska	8,407	-2	293	154	96	98	62	22	10	469	8,171
<b>Lower 48 States</b>	<b>184,106</b>	<b>1,889</b>	<b>22,060</b>	<b>19,500</b>	<b>9,034</b>	<b>11,576</b>	<b>20,988</b>	<b>920</b>	<b>1,198</b>	<b>17,989</b>	<b>196,214</b>
Alabama	4,120	-27	135	60	419	431	85	0	0	300	3,965
Arkansas	1,835	8	122	142	31	30	281	4	31	174	1,964
California	2,634	78	739	129	201	244	129	0	2	268	3,228
Coastal Region Onshore	189	72	31	13	0	1	6	0	0	18	268
Los Angeles Basin Onshore	174	1	10	17	1	16	2	0	0	9	176
San Joaquin Basin Onshore	2,185	5	685	96	200	227	120	0	2	234	2,694
State Offshore	86	0	13	3	0	0	1	0	0	7	90
Colorado	14,743	57	2,018	1,478	1,238	1,767	1,795	32	4	1,104	16,596
Florida	78	1	0	0	0	0	0	0	0	2	77
Kansas	4,652	88	207	381	44	60	108	0	4	380	4,314
Kentucky	1,880	65	251	77	1	0	101	17	0	85	2,151
Louisiana	9,588	130	876	849	224	378	1,560	6	188	1,206	10,447
North	5,770	69	337	252	71	141	1,188	0	11	498	6,695
South Onshore	3,436	32	485	554	121	208	343	6	139	640	3,334
State Offshore	382	29	54	43	32	29	29	0	38	68	418
Michigan	3,091	1	141	163	104	89	55	11	0	211	2,910
Mississippi	691	5	57	27	17	54	75	0	3	86	755
Montana	995	3	63	122	6	9	130	0	14	100	986
New Mexico	18,512	44	2,071	2,269	963	1,238	1,048	10	3	1,493	18,201
East	3,621	37	457	412	514	649	468	5	2	522	3,791
West	14,891	7	1,614	1,857	449	589	580	5	1	971	14,410
New York	324	18	51	20	1	2	7	20	0	52	349
North Dakota	417	-10	49	27	1	22	49	5	2	53	453
Ohio	974	-78	166	111	54	7	58	5	7	76	898
Oklahoma	16,238	297	3,064	2,945	539	728	1,818	1	48	1,587	17,123
Pennsylvania	2,361	186	234	154	78	139	275	0	0	181	2,782
Texas	49,955	561	6,008	5,637	4,098	5,024	9,640	138	340	5,424	56,507
RRC District 1	1,184	25	70	130	62	76	115	0	11	128	1,161
RRC District 2 Onshore	1,844	156	188	260	207	255	338	26	38	305	2,073
RRC District 3 Onshore	3,185	62	478	532	92	110	431	63	45	558	3,192
RRC District 4 Onshore	8,699	55	1,119	1,120	839	976	1,019	21	63	1,232	8,761
RRC District 5	6,523	93	1,216	398	347	348	2,609	0	163	650	9,557
RRC District 6	7,638	111	548	538	478	1,014	1,418	8	7	752	8,976
RRC District 7B	310	-33	142	50	23	121	400	0	0	65	802
RRC District 7C	4,668	79	404	487	276	283	793	8	0	349	5,123
RRC District 8	5,301	25	464	692	430	664	1,114	11	0	464	5,993
RRC District 8A	1,188	25	187	77	116	232	27	1	1	102	1,366
RRC District 9	4,221	-53	445	702	305	387	696	0	0	361	4,328
RRC District 10	4,873	-2	712	616	893	554	680	0	0	398	4,910
State Offshore	321	18	35	35	30	4	0	0	12	60	265
Utah	3,866	65	186	112	6	0	596	4	4	308	4,295
Virginia	1,742	18	163	3	1	3	166	0	0	70	2,018
West Virginia	3,397	214	646	76	6	132	371	11	0	230	4,459
Wyoming	22,632	115	2,160	1,822	139	470	1,987	11	2	1,642	23,774
Federal Offshore <sup>a</sup>	19,271	26	2,645	2,878	863	749	642	632	546	2,939	17,831
Pacific (California)	459	-1	418	19	0	0	0	0	0	33	824
Gulf of Mexico (Louisiana) <sup>a</sup>	14,685	21	1,408	1,903	716	628	546	618	375	1,997	13,665
Gulf of Mexico (Texas)	4,127	6	819	956	147	121	96	14	171	909	3,342
Miscellaneous <sup>b</sup>	110	24	8	18	0	0	12	13	0	18	131
<b>U.S. Total</b>	<b>192,513</b>	<b>1,887</b>	<b>22,353</b>	<b>19,654</b>	<b>9,130</b>	<b>11,674</b>	<b>21,050</b>	<b>942</b>	<b>1,208</b>	<b>18,458</b>	<b>204,385</b>

<sup>a</sup>Includes Federal offshore Alabama.

<sup>b</sup>Includes 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 2005 contained in the *Natural Gas Annual 2005*, DOE/EIA-0131(05).

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

**Table 4. Natural Gas Proved Reserves, Reserves Changes, and Production, Wet After Lease Separation, 2005 (Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)**

State and Subdivision	Published Proved Reserves 12/31/04	Changes in Reserves During 2005									Proved Reserves 12/31/05
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	
Alaska	8,473	-1	295	155	96	98	62	22	10	471	8,237
<b>Lower 48 States</b>	<b>192,727</b>	<b>1,694</b>	<b>23,067</b>	<b>20,492</b>	<b>9,536</b>	<b>12,208</b>	<b>22,007</b>	<b>951</b>	<b>1,233</b>	<b>18,788</b>	<b>205,071</b>
Alabama	4,159	-25	137	61	427	439	87	0	0	303	4,006
Arkansas	1,837	8	122	142	31	30	282	4	31	174	1,967
California	2,773	69	777	136	212	256	135	0	3	281	3,384
Coastal Region Onshore	196	72	33	13	0	1	6	0	0	18	277
Los Angeles Basin Onshore	184	1	11	18	1	16	2	0	0	9	186
San Joaquin Basin Onshore	2,306	-3	720	102	211	239	126	0	3	247	2,831
State Offshore	87	-1	13	3	0	0	1	0	0	7	90
Colorado	15,249	21	2,082	1,525	1,278	1,824	1,851	33	4	1,139	17,122
Florida	88	2	0	0	0	0	0	0	0	3	87
Kansas	5,003	50	220	406	47	64	115	0	4	405	4,598
Kentucky	1,982	43	262	81	1	0	106	18	0	89	2,240
Louisiana	9,792	156	903	878	231	389	1,589	6	195	1,242	10,679
North	5,841	60	341	254	71	142	1,201	0	11	503	6,768
South Onshore	3,557	63	506	579	127	217	358	6	145	668	3,478
State Offshore	394	33	56	45	33	30	30	0	39	71	433
Michigan	3,154	-8	144	166	106	91	56	11	0	215	2,961
Mississippi	692	7	57	27	17	54	75	0	3	86	758
Montana	1,002	8	64	123	6	9	131	0	14	101	998
New Mexico	19,687	28	2,201	2,409	1,035	1,330	1,123	10	3	1,594	19,344
East	3,965	23	498	449	561	708	510	5	2	569	4,132
West	15,722	5	1,703	1,960	474	622	613	5	1	1,025	15,212
New York	324	17	51	20	1	2	7	20	0	51	349
North Dakota	465	-8	55	31	1	24	56	5	2	59	508
Ohio	975	-79	166	111	54	7	58	5	7	76	898
Oklahoma	17,200	324	3,247	3,121	572	772	1,926	1	51	1,682	18,146
Pennsylvania	2,371	187	234	155	78	139	276	0	0	181	2,793
Texas	53,275	602	6,388	6,055	4,396	5,382	10,244	149	350	5,761	60,178
RRC District 1	1,229	27	73	136	65	79	119	0	12	133	1,205
RRC District 2 Onshore	1,934	164	197	273	217	267	355	28	40	320	2,175
RRC District 3 Onshore	3,400	67	510	568	98	118	459	67	47	596	3,406
RRC District 4 Onshore	9,067	29	1,163	1,164	872	1,014	1,059	22	66	1,280	9,104
RRC District 5	6,583	71	1,223	400	350	350	2,624	0	164	654	9,611
RRC District 6	7,966	99	570	560	497	1,056	1,476	9	7	783	9,343
RRC District 7B	364	-42	164	59	26	141	465	0	1	76	932
RRC District 7C	5,190	93	450	543	307	314	883	10	0	388	5,702
RRC District 8	6,002	44	527	786	488	753	1,263	12	0	527	6,800
RRC District 8A	1,281	24	202	82	125	250	29	1	1	110	1,471
RRC District 9	4,555	5	487	768	334	424	760	0	0	395	4,734
RRC District 10	5,383	4	787	681	988	612	752	0	0	439	5,430
State Offshore	321	17	35	35	29	4	0	0	12	60	265
Utah	3,951	38	189	114	6	0	605	4	5	313	4,359
Virginia	1,742	18	163	3	1	3	166	0	0	70	2,018
West Virginia	3,509	192	662	77	6	135	381	11	0	235	4,572
Wyoming	23,640	15	2,246	1,895	145	489	2,066	11	3	1,708	24,722
Federal Offshore <sup>a</sup>	19,747	5	2,689	2,938	885	769	660	649	558	3,002	18,252
Pacific (California)	459	1	418	19	0	0	0	0	0	34	825
Gulf of Mexico (Louisiana) <sup>a</sup>	15,144	1	1,450	1,960	738	647	563	636	386	2,056	14,073
Gulf of Mexico (Texas)	4,144	3	821	959	147	122	97	13	172	912	3,354
Miscellaneous <sup>b</sup>	110	24	8	18	0	0	12	14	0	18	132
<b>U.S. Total</b>	<b>201,200</b>	<b>1,693</b>	<b>23,362</b>	<b>20,647</b>	<b>9,632</b>	<b>12,306</b>	<b>22,069</b>	<b>973</b>	<b>1,243</b>	<b>19,259</b>	<b>213,308</b>

<sup>a</sup>Includes Federal offshore Alabama.

<sup>b</sup>Includes 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 2005 contained in the *Natural Gas Annual 2005*, DOE/EIA-0131(05).

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



**Table 5. Nonassociated Natural Gas Proved Reserves, Reserves Changes, and Production, Wet After Lease Separation, 2005 (Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)**

State and Subdivision	Published Proved Reserves 12/31/04	Changes in Reserves During 2005							New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	Proved Reserves 12/31/05
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)			
Alaska	2,004	-1	116	129	74	79	61	22	10	213	1,875
<b>Lower 48 States</b>	<b>171,547</b>	<b>1,568</b>	<b>19,965</b>	<b>18,484</b>	<b>7,903</b>	<b>10,156</b>	<b>20,976</b>	<b>832</b>	<b>1,154</b>	<b>16,614</b>	<b>183,197</b>
Alabama	4,127	-21	133	60	427	439	84	0	0	298	3,977
Arkansas	1,797	11	121	141	15	3	281	4	31	171	1,921
California	767	-4	66	60	211	239	84	0	3	85	799
Coastal Region Onshore	8	-1	1	0	0	0	0	0	0	0	8
Los Angeles Basin Onshore	0	0	0	0	0	0	0	0	0	0	0
San Joaquin Basin Onshore	757	-3	65	60	211	239	84	0	3	84	790
State Offshore	2	0	0	0	0	0	0	0	0	1	1
Colorado	13,956	13	2,065	1,499	587	1,123	1,736	33	4	1,048	15,796
Florida	0	0	0	0	0	0	0	0	0	0	0
Kansas	4,923	50	208	401	47	61	113	0	4	396	4,515
Kentucky	1,963	43	246	73	1	0	102	18	0	88	2,210
Louisiana	9,235	100	787	799	187	355	1,570	6	191	1,167	10,091
North	5,734	49	333	232	70	141	1,197	0	11	493	6,670
South Onshore	3,168	21	405	526	90	192	345	6	141	611	3,051
State Offshore	333	30	49	41	27	22	28	0	39	63	370
Michigan	2,961	1	136	142	106	91	54	11	0	198	2,808
Mississippi	672	6	53	25	16	54	74	0	3	83	738
Montana	872	8	44	109	5	7	92	0	14	86	837
New Mexico	18,109	48	1,975	2,287	906	1,171	943	10	3	1,383	17,683
East	2,477	42	288	329	436	554	333	5	2	367	2,569
West	15,632	6	1,687	1,958	470	617	610	5	1	1,016	15,114
New York	324	14	51	20	1	2	7	20	0	51	346
North Dakota	145	7	6	6	0	20	10	0	1	18	165
Ohio	767	-49	143	102	54	7	58	5	0	61	714
Oklahoma	16,301	364	3,070	2,937	514	694	1,878	1	50	1,570	17,337
Pennsylvania	2,246	180	228	143	78	139	259	0	0	172	2,659
Texas	46,728	517	5,612	5,549	3,821	4,525	9,817	147	345	5,146	53,175
RRC District 1	1,184	27	67	134	64	78	105	0	11	126	1,148
RRC District 2 Onshore	1,858	165	158	249	214	260	319	28	39	298	2,066
RRC District 3 Onshore	2,959	63	453	530	93	109	412	66	45	523	2,961
RRC District 4 Onshore	8,902	30	1,136	1,145	850	1,003	1,054	22	66	1,262	8,956
RRC District 5	6,525	70	1,218	394	345	347	2,623	0	164	648	9,560
RRC District 6	7,564	86	543	511	497	1,052	1,471	9	7	725	8,999
RRC District 7B	288	-42	158	52	25	138	457	0	1	64	859
RRC District 7C	4,196	83	362	458	117	136	772	9	0	318	4,665
RRC District 8	3,266	-6	253	568	321	381	1,134	12	0	322	3,829
RRC District 8A	95	14	13	52	3	2	27	1	0	12	85
RRC District 9	4,445	-8	474	759	324	405	751	0	0	376	4,608
RRC District 10	5,134	17	744	664	942	610	692	0	0	414	5,177
State Offshore	312	18	33	33	26	4	0	0	12	58	262
Utah	3,661	33	134	80	6	0	590	0	5	286	4,051
Virginia	1,742	18	163	3	1	3	166	0	0	70	2,018
West Virginia	3,489	192	661	75	6	135	380	11	0	234	4,553
Wyoming	23,278	16	2,200	1,864	127	407	2,062	11	3	1,648	24,338
Federal Offshore <sup>a</sup>	13,386	4	1,855	2,095	787	681	614	541	497	2,348	12,348
Pacific (California)	47	1	2	0	0	0	0	0	0	1	49
Gulf of Mexico (Louisiana) <sup>a</sup>	10,081	1	1,149	1,443	657	566	523	532	347	1,607	9,492
Gulf of Mexico (Texas)	3,258	2	704	652	130	115	91	9	150	740	2,807
Miscellaneous <sup>b</sup>	98	17	8	14	0	0	2	14	0	7	118
<b>U.S. Total</b>	<b>173,551</b>	<b>1,567</b>	<b>20,081</b>	<b>18,613</b>	<b>7,977</b>	<b>10,235</b>	<b>21,037</b>	<b>854</b>	<b>1,164</b>	<b>16,827</b>	<b>185,072</b>

<sup>a</sup>Includes Federal offshore Alabama.

<sup>b</sup>Includes 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 2005 contained in the *Natural Gas Annual 2005*, DOE/EIA-0131(05).

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, 2005 (Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)**

State and Subdivision	Published Proved Reserves 12/31/04	Changes in Reserves During 2005							New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	Proved Reserves 12/31/05
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)			
Alaska	6,469	0	179	26	22	19	1	0	0	258	6,362
<b>Lower 48 States</b>	<b>21,180</b>	<b>126</b>	<b>3,102</b>	<b>2,008</b>	<b>1,633</b>	<b>2,052</b>	<b>1,031</b>	<b>119</b>	<b>79</b>	<b>2,174</b>	<b>21,874</b>
Alabama	32	-4	4	1	0	0	3	0	0	5	29
Arkansas	40	-3	1	1	16	27	1	0	0	3	46
California	2,006	73	711	76	1	17	51	0	0	196	2,585
Coastal Region Onshore	188	73	32	13	0	1	6	0	0	18	269
Los Angeles Basin Onshore	184	1	11	18	1	16	2	0	0	9	186
San Joaquin Basin Onshore	1,549	0	655	42	0	0	42	0	0	163	2,041
State Offshore	85	-1	13	3	0	0	1	0	0	6	89
Colorado	1,293	8	17	26	691	701	115	0	0	91	1,326
Florida	88	2	0	0	0	0	0	0	0	3	87
Kansas	80	0	12	5	0	3	2	0	0	9	83
Kentucky	19	0	16	8	0	0	4	0	0	1	30
Louisiana	557	56	116	79	44	34	19	0	4	75	588
North	107	11	8	22	1	1	4	0	0	10	98
South Onshore	389	42	101	53	37	25	13	0	4	57	427
State Offshore	61	3	7	4	6	8	2	0	0	8	63
Michigan	193	-9	8	24	0	0	2	0	0	17	153
Mississippi	20	1	4	2	1	0	1	0	0	3	20
Montana	130	0	20	14	1	2	39	0	0	15	161
New Mexico	1,578	-20	226	122	129	159	180	0	0	211	1,661
East	1,488	-19	210	120	125	154	177	0	0	202	1,563
West	90	-1	16	2	4	5	3	0	0	9	98
New York	0	3	0	0	0	0	0	0	0	0	3
North Dakota	320	-15	49	25	1	4	46	5	1	41	343
Ohio	208	-30	23	9	0	0	0	0	7	15	184
Oklahoma	899	-40	177	184	58	78	48	0	1	112	809
Pennsylvania	125	7	6	12	0	0	17	0	0	9	134
Texas	6,547	85	776	506	575	857	427	2	5	615	7,003
RRC District 1	45	0	6	2	1	1	14	0	1	7	57
RRC District 2 Onshore	76	-1	39	24	3	7	36	0	1	22	109
RRC District 3 Onshore	441	4	57	38	5	9	47	1	2	73	445
RRC District 4 Onshore	165	-1	27	19	22	11	5	0	0	18	148
RRC District 5	58	1	5	6	5	3	1	0	0	6	51
RRC District 6	402	13	27	49	0	4	5	0	0	58	344
RRC District 7B	76	0	6	7	1	3	8	0	0	12	73
RRC District 7C	994	10	88	85	190	178	111	1	0	70	1,037
RRC District 8	2,736	50	274	218	167	372	129	0	0	205	2,971
RRC District 8A	1,186	10	189	30	122	248	2	0	1	98	1,386
RRC District 9	110	13	13	9	10	19	9	0	0	19	126
RRC District 10	249	-13	43	17	46	2	60	0	0	25	253
State Offshore	9	-1	2	2	3	0	0	0	0	2	3
Utah	290	5	55	34	0	0	15	4	0	27	308
Virginia	0	0	0	0	0	0	0	0	0	0	0
West Virginia	20	0	1	2	0	0	1	0	0	1	19
Wyoming	362	-1	46	31	18	82	4	0	0	60	384
Federal Offshore <sup>a</sup>	6,361	1	834	843	98	88	46	108	61	654	5,904
Pacific (California)	412	0	416	19	0	0	0	0	0	33	776
Gulf of Mexico (Louisiana) <sup>a</sup>	5,063	0	301	517	81	81	40	104	39	449	4,581
Gulf of Mexico (Texas)	886	1	117	307	17	7	6	4	22	172	547
Miscellaneous <sup>b</sup>	12	7	0	4	0	0	10	0	0	11	14
<b>U.S. Total</b>	<b>27,649</b>	<b>126</b>	<b>3,281</b>	<b>2,034</b>	<b>1,655</b>	<b>2,071</b>	<b>1,032</b>	<b>119</b>	<b>79</b>	<b>2,432</b>	<b>28,236</b>

<sup>a</sup>Includes Federal offshore Alabama.

<sup>b</sup>Includes 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 2005 contained in the *Natural Gas Annual 2005*, DOE/EIA-0131(05).

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

**Table 7. Natural Gas Liquids Proved Reserves, Reserves Changes, and Production, Wet After Lease Separation, 2005 (Million Barrels of 42 U.S. Gallons)**

State and Subdivision	Published Proved Reserves 12/31/04	Changes in Reserves During 2005							New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)	Proved Reserves 12/31/05
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)			
Alaska	369	0	0	0	0	0	0	0	0	17	352
<b>Lower 48 States</b>	<b>7,559</b>	<b>-89</b>	<b>968</b>	<b>947</b>	<b>440</b>	<b>596</b>	<b>863</b>	<b>32</b>	<b>42</b>	<b>771</b>	<b>7,813</b>
Alabama	50	0	2	1	14	28	1	0	0	5	61
Arkansas	3	0	0	0	0	0	0	0	0	0	3
California	122	-6	31	6	8	10	5	0	0	11	137
Coastal Region Onshore	19	-3	2	1	0	0	0	0	0	1	16
Los Angeles Basin Onshore	8	0	1	1	0	1	0	0	0	0	9
San Joaquin Basin Onshore	95	-3	28	4	8	9	5	0	0	10	112
State Offshore	0	0	0	0	0	0	0	0	0	0	0
Colorado	465	-19	55	54	33	49	51	1	0	31	484
Florida	12	-5	0	0	0	0	0	0	0	0	7
Kansas	271	-25	12	20	2	3	5	0	0	20	224
Kentucky	72	-9	8	2	0	0	3	1	0	3	70
Louisiana	263	20	42	37	11	15	40	0	12	52	292
North	74	-3	7	4	1	2	15	0	0	7	83
South Onshore	153	19	30	28	7	10	22	0	7	38	168
State Offshore	36	4	5	5	3	3	3	0	5	7	41
Michigan	48	-7	3	3	1	1	1	0	0	3	39
Mississippi	6	1	1	1	0	1	0	0	0	1	7
Montana	6	3	1	1	0	0	1	0	0	1	9
New Mexico	864	-12	96	106	58	78	55	0	0	77	840
East	274	-14	33	32	39	54	33	0	0	38	271
West	590	2	63	74	19	24	22	0	0	39	569
North Dakota	43	2	5	3	0	2	5	0	0	5	49
Oklahoma	790	16	159	149	25	35	89	0	2	78	839
Texas	2,801	27	344	371	249	316	491	8	7	294	3,080
RRC District 1	36	2	2	3	2	2	3	0	0	4	36
RRC District 2 Onshore	79	6	9	12	9	14	16	1	1	14	91
RRC District 3 Onshore	221	3	36	38	8	9	36	4	3	40	226
RRC District 4 Onshore	326	-16	44	47	30	34	41	1	2	46	309
RRC District 5	53	-15	6	4	1	1	11	0	1	4	48
RRC District 6	304	-4	23	33	17	35	53	0	0	28	333
RRC District 7B	43	-10	16	6	3	13	44	0	0	7	90
RRC District 7C	383	-4	35	43	23	24	68	1	0	30	411
RRC District 8	499	12	47	68	41	64	106	1	0	45	575
RRC District 8A	197	24	36	14	21	42	5	0	0	19	250
RRC District 9	235	38	29	46	19	25	47	0	0	24	285
RRC District 10	420	-9	61	55	75	53	61	0	0	33	423
State Offshore	5	0	0	2	0	0	0	0	0	0	3
Utah and Wyoming	927	-85	81	72	4	15	79	0	0	62	879
West Virginia	85	-16	12	1	0	2	7	0	0	4	85
Federal Offshore <sup>a</sup>	721	26	114	119	35	41	29	21	21	123	696
Pacific (California)	8	0	0	0	0	0	0	0	0	0	8
Gulf of Mexico (Louisiana) <sup>a</sup>	615	29	89	102	34	37	27	21	19	98	603
Gulf of Mexico (Texas)	98	-3	25	17	1	4	2	0	2	25	85
Miscellaneous <sup>b</sup>	10	0	2	1	0	0	1	1	0	1	12
<b>U.S. Total</b>	<b>7,928</b>	<b>-89</b>	<b>968</b>	<b>947</b>	<b>440</b>	<b>596</b>	<b>863</b>	<b>32</b>	<b>42</b>	<b>788</b>	<b>8,165</b>

<sup>a</sup>Includes Federal offshore Alabama.

<sup>b</sup>Includes 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 2005 contained in the publications *Petroleum Supply Annual 2005*, DOE/EIA-0340(05) and *Natural Gas Annual 2005* DOE/EIA-0131(05).

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

**Table 8. Deepwater Production and Proved Reserves of the Gulf of Mexico Federal Offshore, 1992-2005**

Year	Gulf of Mexico			Depth		Deepwater Percentage
	Total	Louisiana <sup>a</sup>	Texas	Greater than 200 meters	Less than 200 meters	
<b>Crude Oil</b> (million barrels of 42 U.S. gallons)						
<b>Production</b>						
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
<b>Reserves</b>						
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

<sup>a</sup>Includes 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, 1992-2005  
(continued)**

Year	Gulf of Mexico			Depth		Deepwater Percentage
	Total	Louisiana <sup>a</sup>	Texas	Greater than 200 meters	Less than 200 meters	
<b>Natural Gas, Wet After Lease Separation</b> (billion cubic feet at 14.73 psia and 60° Fahrenheit)						
<b>Production</b>						
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
<b>Reserves</b>						
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

<sup>a</sup>Includes 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 1989–2005**  
(Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

Year	Alabama	Colorado	New Mexico	Utah	Wyoming	Eastern States <sup>a</sup>	Western States <sup>b</sup>	Others <sup>c</sup>	United States
<b>Reserves</b>									
1989	537	1,117	2,022	NA	NA	NA	NA	0	3,676
1990	1,224	1,320	2,510	NA	NA	NA	NA	33	5,087
1991	1,714	2,076	4,206	NA	NA	NA	NA	167	8,163
1992	1,968	2,716	4,724	NA	NA	NA	NA	626	10,034
1993	1,237	3,107	4,775	NA	NA	NA	NA	1,065	10,184
1994	976	2,913	4,137	NA	NA	NA	NA	1,686	9,712
1995	972	3,461	4,299	NA	NA	NA	NA	1,767	10,499
1996	823	3,711	4,180	NA	NA	NA	NA	1,852	10,566
1997	1,077	3,890	4,351	NA	NA	NA	NA	2,144	11,462
1998	1,029	4,211	4,232	NA	NA	NA	NA	2,707	12,179
1999	1,060	4,826	4,080	NA	NA	NA	NA	3,263	13,229
2000	1,241	5,617	4,278	1,592	1,540	1,399	41	--	15,708
2001	1,162	6,252	4,324	1,685	2,297	1,453	358	--	17,531
2002	1,283	6,691	4,380	1,725	2,371	1,488	553	--	18,491
2003	1,665	6,473	4,396	1,224	2,759	1,528	698	--	18,743
2004	1,900	5,787	5,166	934	2,085	1,620	898	--	18,390
2005	1,773	6,772	5,249	902	2,446	1,822	928	--	19,892
<b>Production</b>									
1989	23	12	56	NA	NA	NA	NA	0	91
1990	36	26	133	NA	NA	NA	NA	1	196
1991	68	48	229	NA	NA	NA	NA	3	348
1992	89	82	358	NA	NA	NA	NA	10	539
1993	103	125	486	NA	NA	NA	NA	18	752
1994	108	179	530	NA	NA	NA	NA	34	851
1995	109	226	574	NA	NA	NA	NA	47	956
1996	98	274	575	NA	NA	NA	NA	56	1,003
1997	111	312	597	NA	NA	NA	NA	70	1,090
1998	123	401	571	NA	NA	NA	NA	99	1,194
1999	108	432	582	NA	NA	NA	NA	130	1,252
2000	109	451	550	74	133	58	4	--	1,379
2001	111	490	517	83	278	69	14	--	1,562
2002	117	520	471	103	302	68	33	--	1,614
2003	98	488	451	97	344	71	51	--	1,600
2004	121	520	528	82	320	72	77	--	1,720
2005	113	515	514	75	336	90	89	--	1,732

<sup>a</sup>Includes Indiana, Ohio, Pennsylvania, Virginia, and West Virginia.

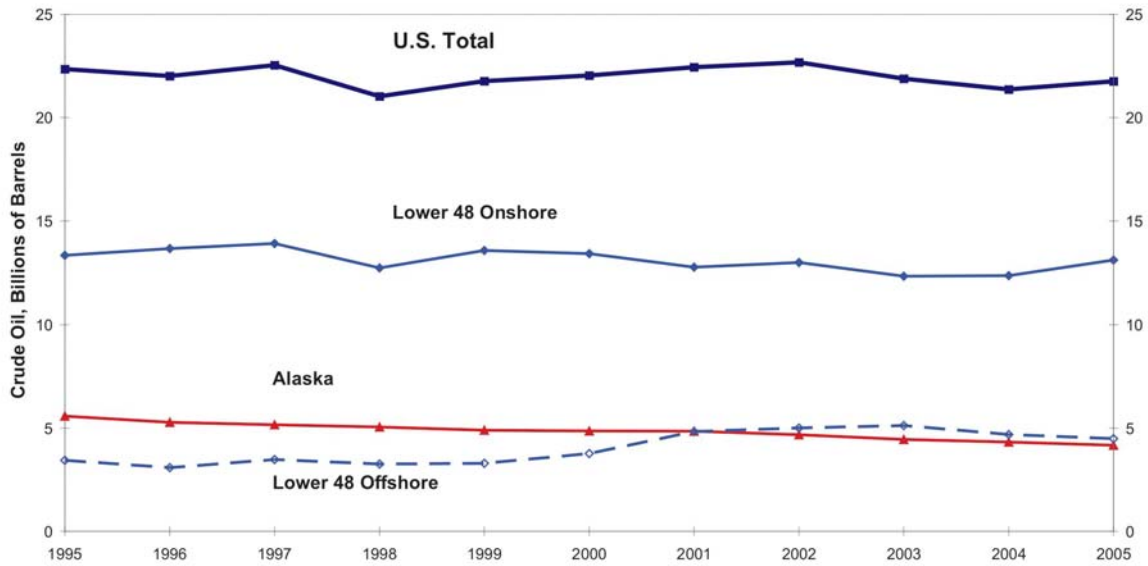
<sup>b</sup>Includes Arkansas, Kansas, Montana, and Oklahoma.

<sup>c</sup>Includes Oklahoma, Pennsylvania, Utah, Virginia, West Virginia, and Wyoming; these states are individually listed or grouped in Eastern States and Western States for 2000-2005.

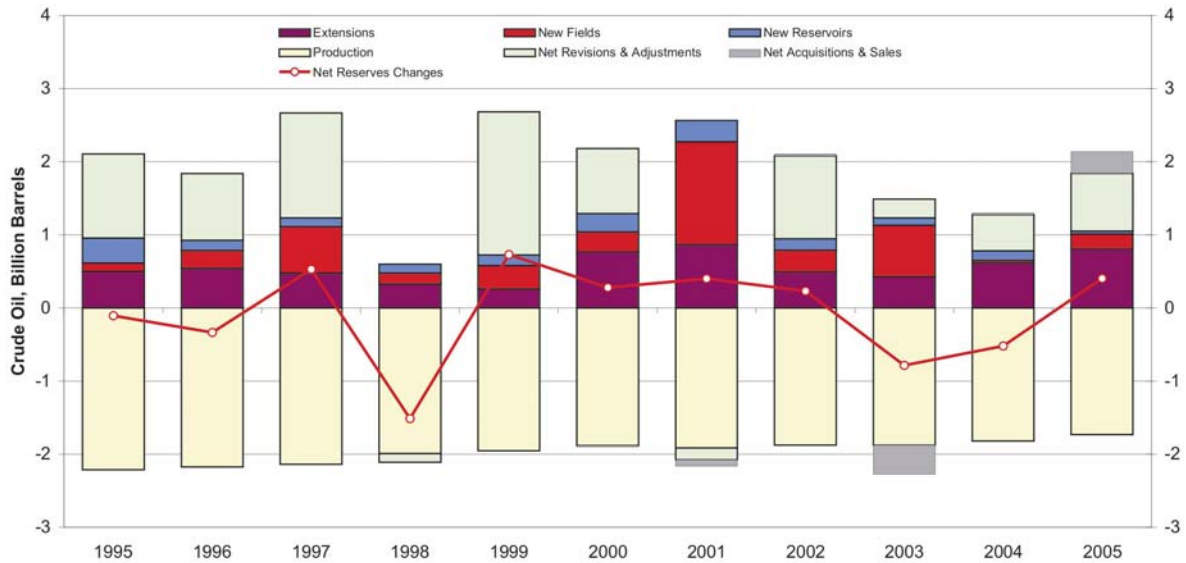
NA -- Not applicable.

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

**Figure 1. U.S. Crude Oil Proved Reserves, 1995 – 2005**

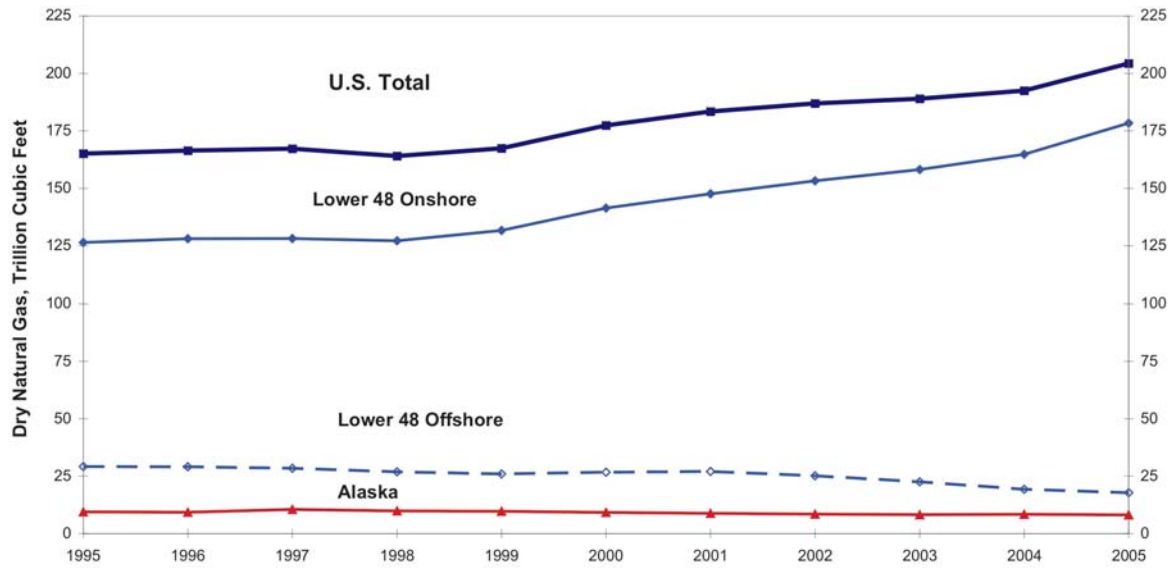


**Figure 2. Components of Reserves Changes for Crude Oil, 1995 – 2005**

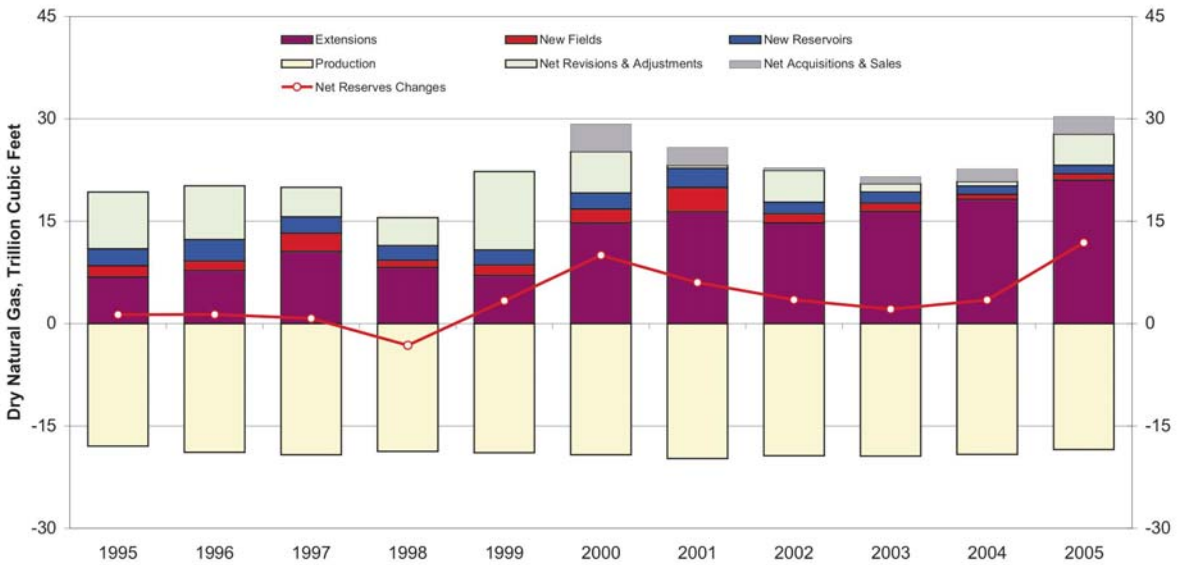


Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1995 through 2005 annual reports, DOE/EIA-0216.

**Figure 3. U.S. Dry Natural Gas Proved Reserves, 1995 – 2005**



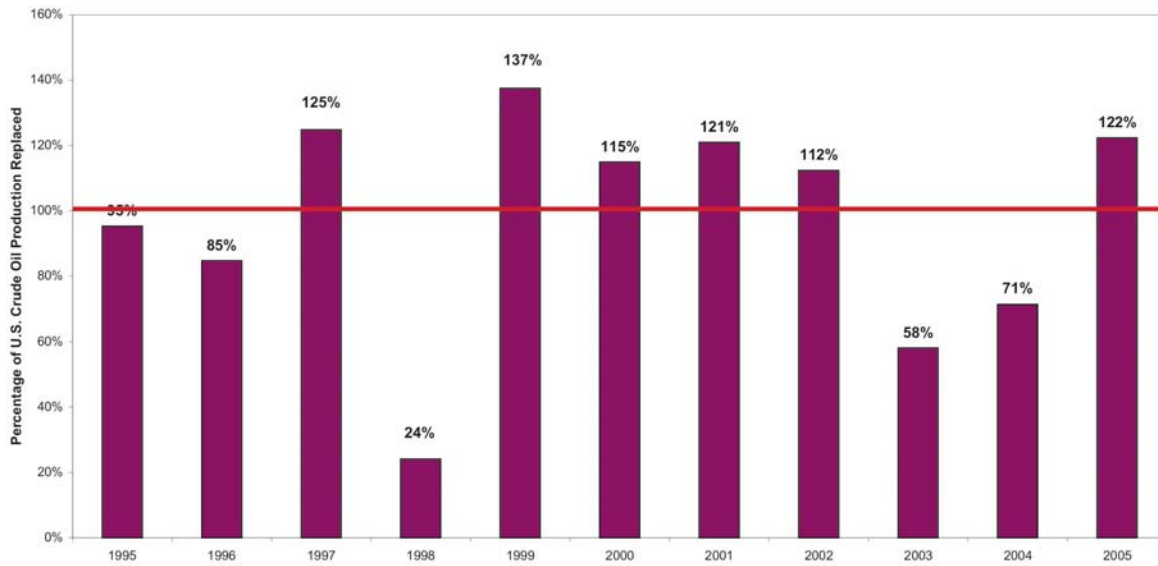
**Figure 4. Components of Reserves Changes for Dry Natural Gas, 1995 – 2005**



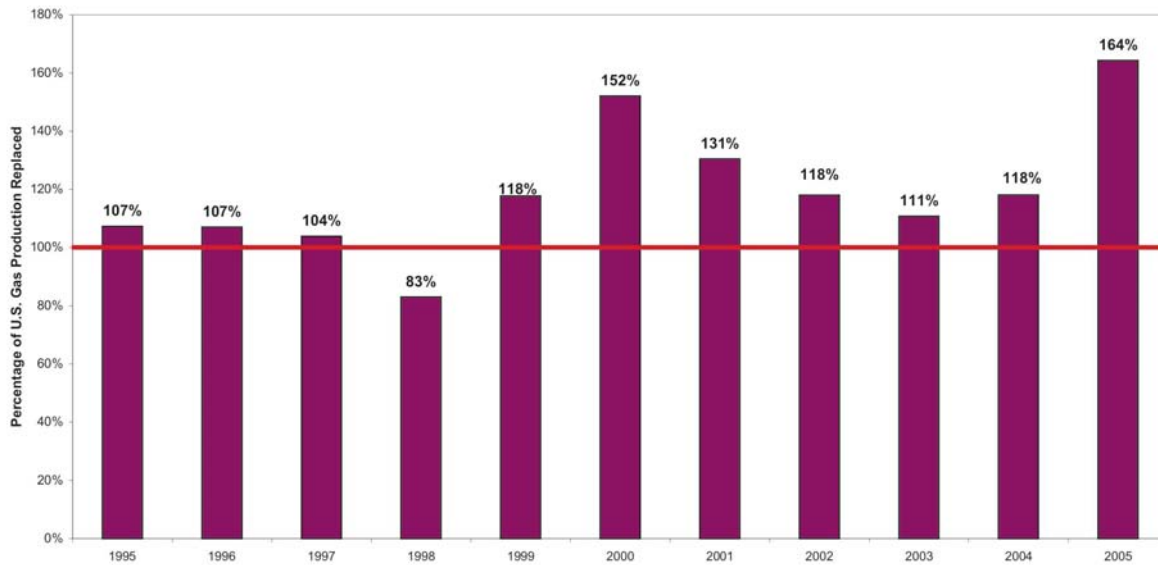
Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1995 through 2005 annual reports, DOE/EIA-0216.



**Figure 5. Crude Oil Production Replaced by Reserves Additions, 1995 – 2005**

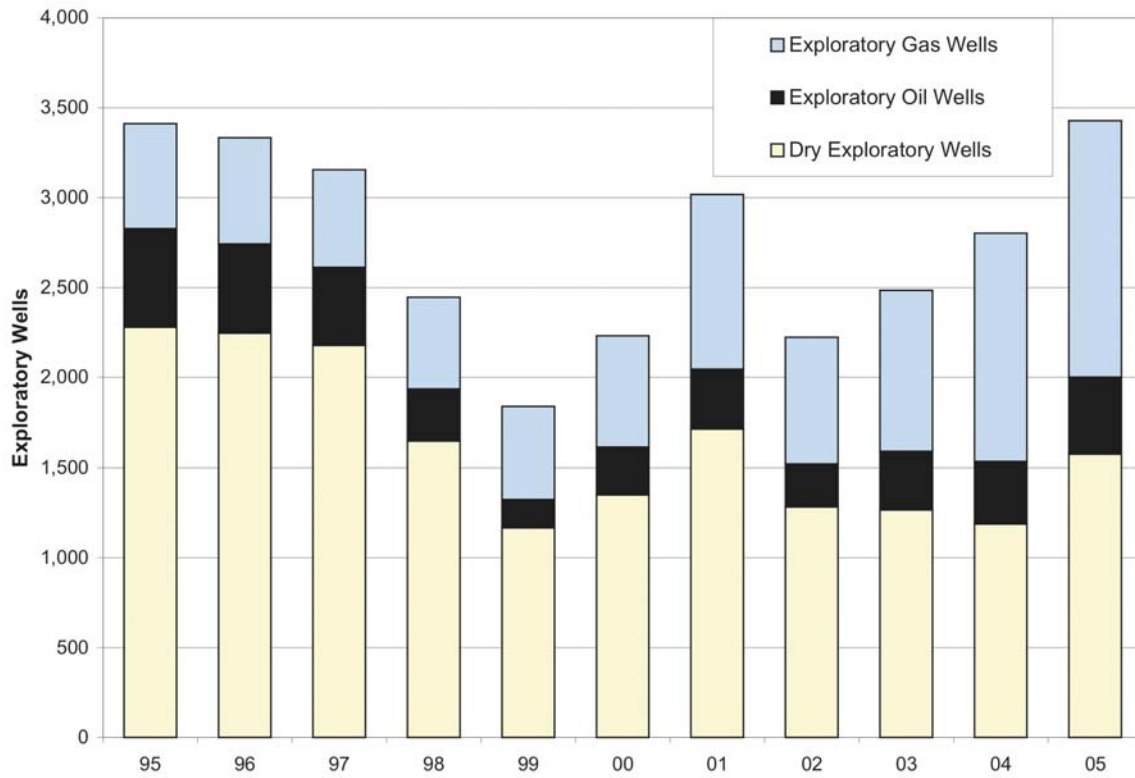


**Figure 6. Dry Natural Gas Production Replaced by Reserves Additions, 1995 – 2005**

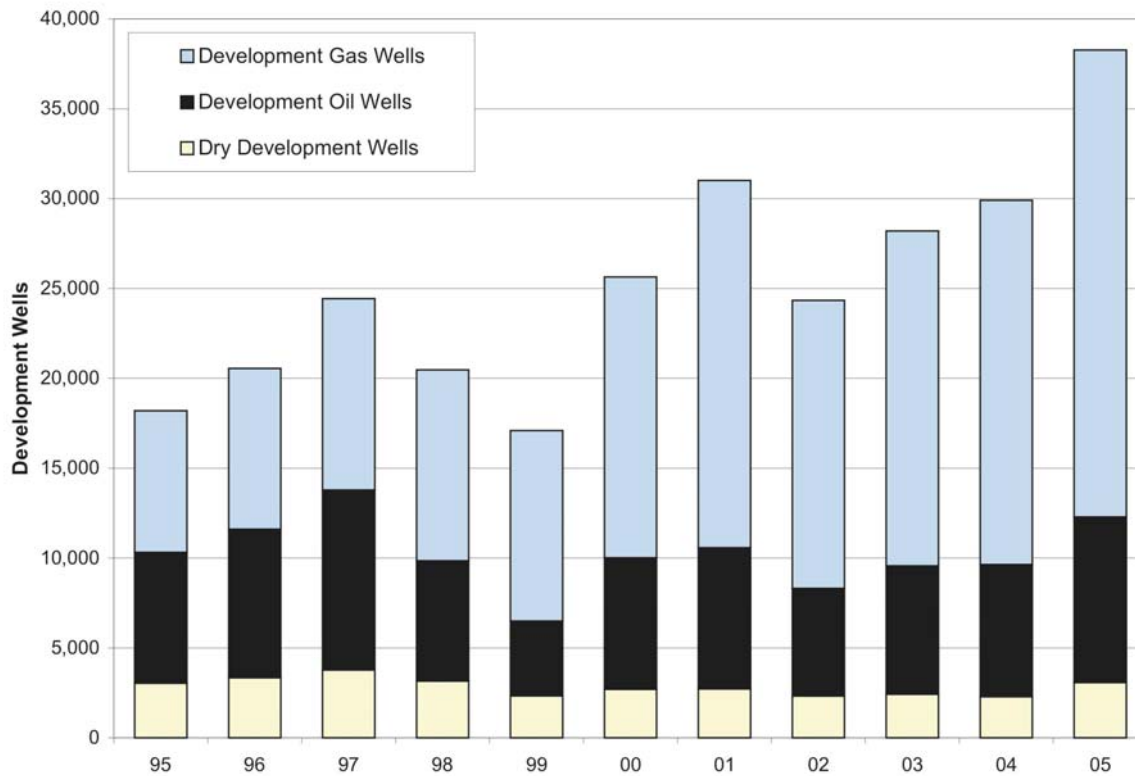


Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1995 through 2005 annual reports, DOE/EIA-0216.

**Figure 7. Exploratory Wells Drilled, 1995 – 2005**

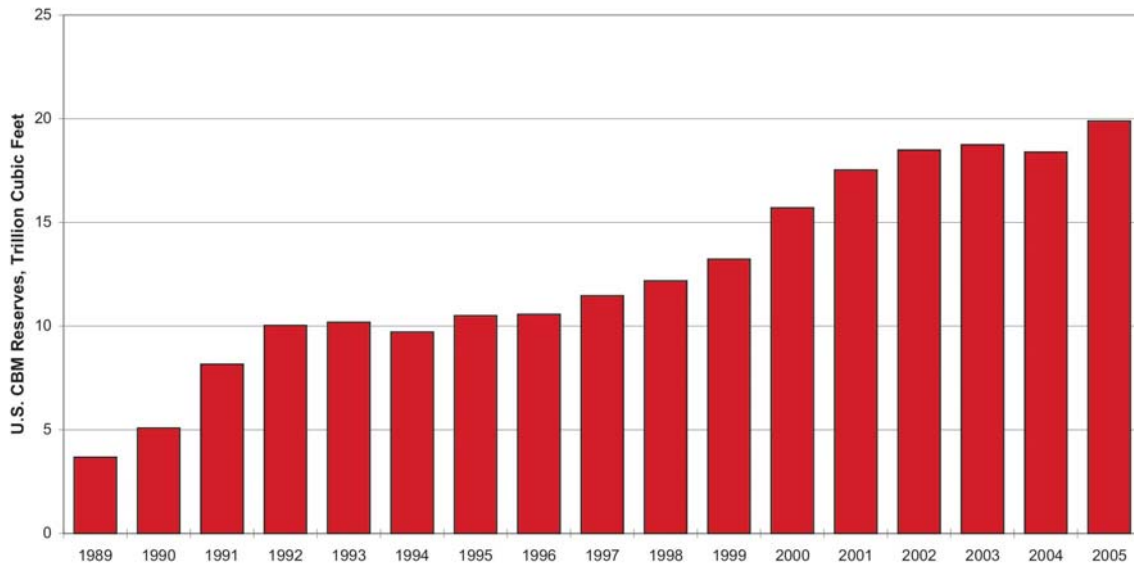


**Figure 8. Development Wells Drilled, 1995 – 2005**

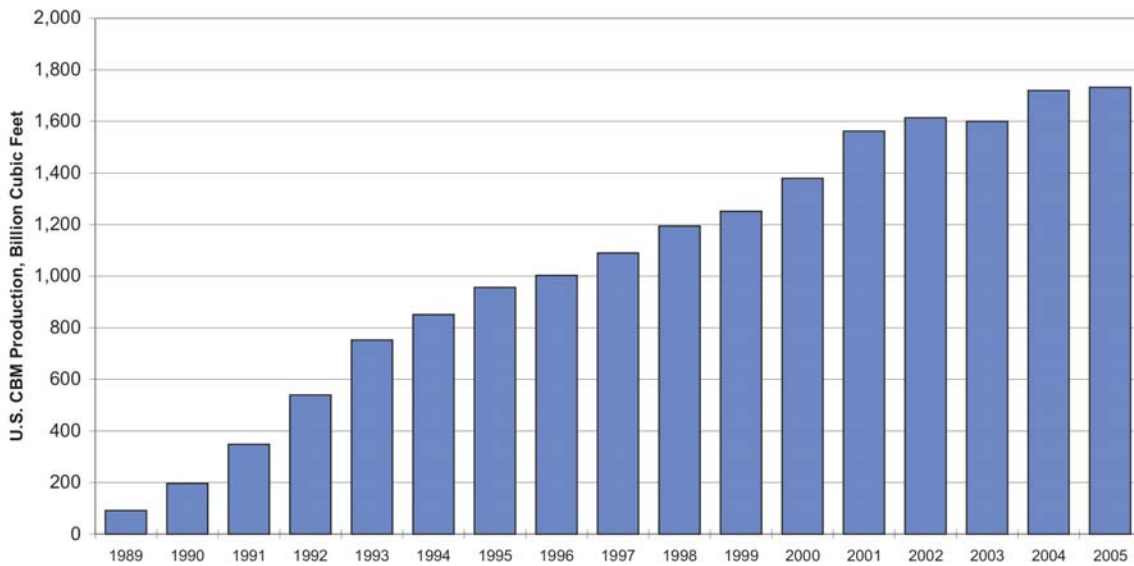


Source: EIA *Monthly Energy Review*, Table 5.2 Crude Oil and Natural Gas Wells Drilled, August 2006.

**Figure 9. U.S. Coalbed Natural Gas Proved Reserves, 1989 – 2005**



**Figure 10. U.S. Coalbed Natural Gas Production, 1989 – 2005**



Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1989 through 2005 annual reports, DOE/EIA-0216.