

Appendix B

Top 100 Oil and Gas Fields for 2003

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This appendix presents estimates of the proved reserves and production of the top 100 oil and gas fields. The oil field production and reserve data include both crude oil and lease condensate, labeled as liquids. The total gas production and reserve data is wet after lease separation. Although there is considerable grouping of field-level statistics within the tables, rough orders of magnitude can be estimated for the proved reserves and production of most fields. Two new tables have been added to this Appendix. They rank the top 100 fields by production (B3 and B4) rather than by reserves (B1 and B2).

Many of the fields in the top 100 group are operated by only one or two operators, therefore, the totals for proved reserves are grouped as top 10, top 20, top 50, and top 100 to avoid revealing company proprietary data. Many of the same fields are in each of the tables B1, B2, B3, and B4. The oil fields with the more recent discovery dates are typically located in the Gulf of Mexico Offshore and Alaska. The gas fields with the more recent discovery dates are located in the Gulf of Mexico Offshore, New Mexico, Colorado, and Wyoming. Blanco/Ignacio-Blanco and Basin have been combined into San Juan Basin Gas Area for the 2003 tables.

Summary for the Top 100 Fields for 2003 Liquids and Gas

Rank Group	12/31/2003 Proved Reserves	Percent	12/31/2003 Nonproducing Reserves	Percent	Estimated 2003 Production	Percent
Table B1. Top 100 U.S. Fields as Ranked by Liquids Proved Reserves (Million Barrels)						
Top 10	6,725.4	29.1%	1,420.6	23.8%	390.2	18.9%
Top 20	9,231.8	40.0%	2,201.7	36.8%	590.8	28.6%
Top 50	12,536.3	54.3%	3,240.2	54.2%	816.3	39.5%
Top 100	14,894.8	64.5%	4,003.2	67.0%	1,010.5	48.9%
Others	8,211.2	35.5%	1,975.8	33.0%	1,057.5	51.1%
Total	23,106.0	100.0%	5,979.0	100.0%	2,068.0	100.0%
Table B2. Top 100 U.S. Fields as Ranked by Gas Proved Reserves (Billion Cubic Feet)						
Top 10	48,552.4	24.6%	8,123.4	16.6%	3,217.3	15.9%
Top 20	64,681.6	32.8%	12,181.1	24.8%	4,303.2	21.3%
Top 50	85,803.4	43.5%	18,219.5	37.1%	6,024.4	29.8%
Top 100	102,144.6	51.8%	22,752.2	46.4%	7,441.3	36.8%
Others	95,000.4	48.2%	26,315.8	53.6%	12,789.7	63.2%
Total	197,145.0	100.0%	49,068.0	100.0%	20,231.0	100.0%
Table B3. Top 100 U.S. Fields as Ranked by Liquids Production (Million Barrels)						
Top 10	6,042.4	26.2%	657.5	11.0%	516.6	25.0%
Top 20	8,094.1	35.0%	875.5	14.6%	697.7	33.7%
Top 50	10,175.2	44.0%	1,258.2	21.0%	963.1	46.6%
Top 100	12,192.4	52.8%	1,566.7	26.2%	1,173.6	56.8%
Others	10,913.6	47.2%	4,412.3	73.8%	894.4	43.2%
Total	23,106.0	100.0%	5,979.0	100.0%	2,068.0	100.0%
Table B4. Top 100 U.S. Fields as Ranked by Gas Production (Billion Cubic Feet)						
Top 10	46,356.9	23.5%	8,251.4	16.8%	3,582.0	17.7%
Top 20	60,393.5	30.6%	11,042.4	22.5%	4,603.4	22.8%
Top 50	79,072.1	40.1%	15,801.0	32.2%	6,438.9	31.8%
Top 100	93,145.0	47.2%	18,654.6	38.0%	8,347.5	41.3%
Others	104,000.0	52.8%	30,413.4	62.0%	11,883.5	58.7%
Total	197,145.0	100.0%	49,068.0	100.0%	20,231.0	100.0%

Table B1. Top 100 Oil Fields Ranked by Reserves

The top 100 oil fields by reserves had 14,895 million barrels of **proved reserves** accounting for 65 percent of the total United States as of December 31, 2003, (**Table 6 and Table 14**) and 67 percent of the reported nonproducing reserves. In the top 20 oil fields for 2003 there are six fields, which are in the deep water of the Gulf of Mexico Federal Offshore and four are currently nonproducing.

The top 100 oil fields by reserves had 1,011 million barrels of **production**, or 49 percent of the 2003 U.S. total (**Table 6 and Table 14**). From year to year these top 100 fields change rank. The most notable change from last year is the 7th largest field, Yates, moving to 43rd in 2003, as a new operator had a different view of the reserves for the field and a different method of enhanced oil recovery.

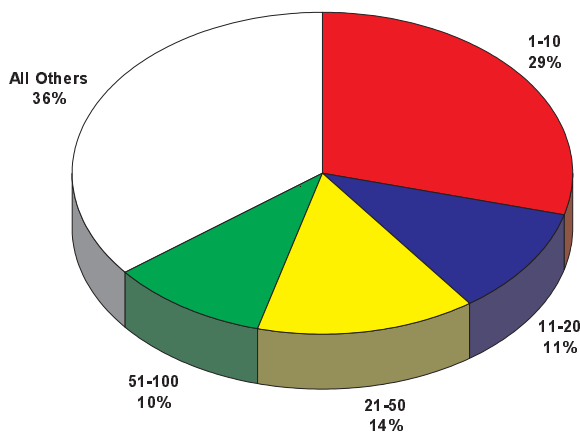


Table B2. Top 100 Gas Fields Ranked by Reserves

The top 100 gas fields by reserves had 102,145 billion cubic feet of wet natural gas **proved reserves** or 52 percent of the total, as of December 31, 2003 (**Table 9**) and 46 percent of the reported nonproducing reserves. The top 100 gas fields by reserves had 7,441 billion cubic feet of **production**, or 37 percent of the 2003 U.S. total (**Table 9**).

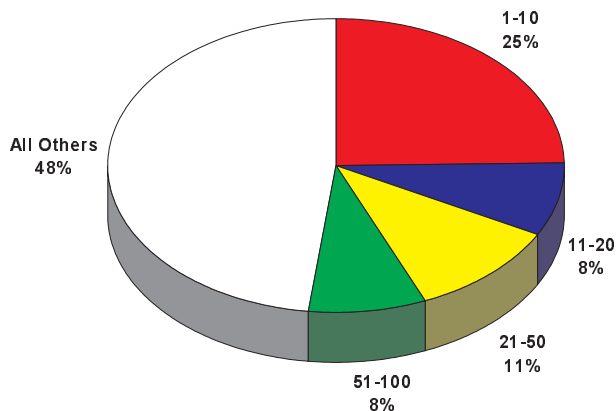


Table B3. Top 100 Oil Fields Ranked by Production

The top 100 oil fields by production had 12,192 million barrels of **proved reserves** accounting for 53 percent of the total United States as of December 31, 2003 (**Table 6 and Table 14**) and 26 percent of the reported nonproducing reserves. The top 100 oil fields by production had 1,174 million barrels of **production**, or 57 percent of the 2003 U.S. total (**Table 6 and Table 14**).

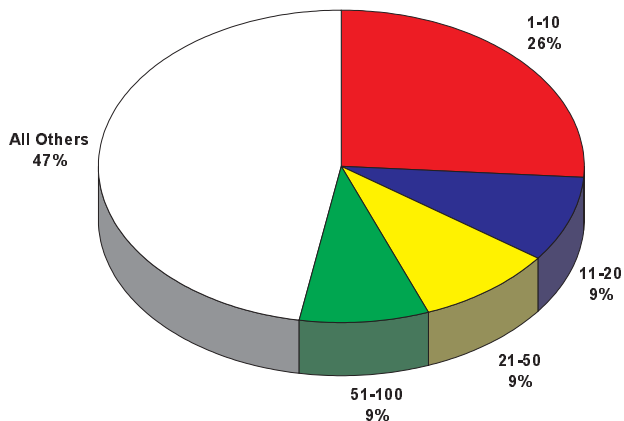


Table B4. Top 100 Gas Fields Ranked by Production

The top 100 gas fields by production had 93,145 billion cubic feet of wet natural gas **proved reserves**, as of December 31, 2003, or 47 percent of the total (**Table 9**). The top 100 gas fields had 8,348 billion cubic feet of **production**, or 41 percent of the 2003 U.S. total (**Table 9**).

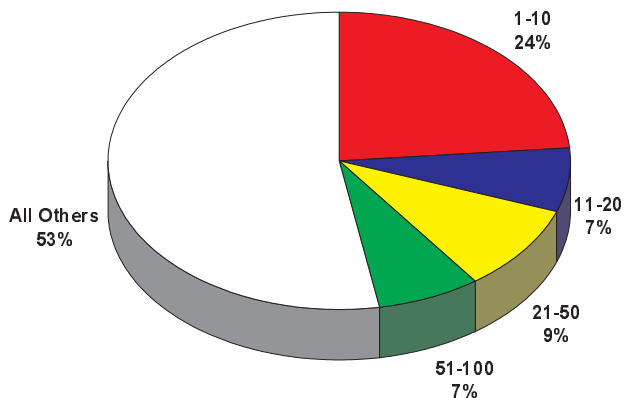


Table B5. Top U.S. Operators Ranked by 2003 Production Data

Table B5 lists the top U.S. oil and gas operators ranked by reported 2003 operated production data.

Table B1. Top 100 U.S. Fields Ranked by Liquids Proved Reserves from Estimated 2003 Field Level Data^a
(Million Barrels of 42 U.S. Gallons)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Nonproducing Reserves	2003 Estimated Production Volume
1 PRUDHOE BAY	AK	1967	(1-10)		141.3
2 KUPARUK RIVER	AK	1969	(1-10)		58.8
3 WASSON	TX	1937	(1-10)		26.1
4 BELRIDGE SOUTH	CA	1911	(1-10)		41.1
5 MISSISSIPPI CANYON BLK 778	FG	1999	(1-10)		0.0
6 MIDWAY-SUNSET	CA	1901	(1-10)		47.8
7 KERN RIVER	CA	1899	(1-10)		36.7
8 SPRABERRY TREND AREA	TX	1950	(1-10)		19.8
9 ELK HILLS	CA	1920	(1-10)		18.7
10 GREEN CANYON BLK 699	FG	1998	(1-10)		0.0
Top 10 Volume Subtotal			6,725.4	1,420.6	390.2
Top 10 Percentage of U.S. Total			29.1%	23.8%	18.9%
11 MISSISSIPPI CANYON BLK 807	FG	1989	(11-20)		58.1
12 ALPINE	AK	1994	(11-20)		36.1
13 MILNE POINT	AK	1982	(11-20)		18.8
14 SLAUGHTER	TX	1937	(11-20)		14.3
15 GREEN CANYON BLK 644	FG	1999	(11-20)		0.0
16 HONDO	FP	1969	(11-20)		6.8
17 GREEN CANYON BLK 826	FG	1999	(11-20)		0.0
18 LOST HILLS	CA	1910	(11-20)		11.0
19 CYMRIC	CA	1916	(11-20)		18.7
20 MISSISSIPPI CANYON BLK 810	FG	1996	(11-20)		36.9
Top 20 Volume Subtotal			9,231.8	2,201.7	590.8
Top 20 Percentage of U.S. Total			40.0%	36.8%	28.6%
21 LEVELLAND	TX	1945	(21-50)		9.6
22 WILMINGTON	CA	1932	(21-50)		14.9
23 MISSISSIPPI CANYON BLK 84	FG	1993	(21-50)		33.9
24 GREEN CANYON BLK 640	FG	2002	(21-50)		0.0
25 PESCADO	FP	1970	(21-50)		6.3
26 WATTENBERG	CO	1970	(21-50)		8.6
27 ENDICOTT	AK	1978	(21-50)		9.2
28 POINT MCINTYRE	AK	1988	(21-50)		13.8
29 COWDEN NORTH	TX	1930	(21-50)		7.0
30 SAN ARDO	CA	1947	(21-50)		4.5
31 SHO-VEL-TUM	OK	1905	(21-50)		8.4
32 NORTHSTAR	AK	1984	(21-50)		22.9
33 CEDAR HILLS	ND & MT & SD	1954	(21-50)		3.9
34 HOBBS	NM	1928	(21-50)		3.7
35 MISSISSIPPI CANYON BLK 383	FG	1987	(21-50)		0.3
36 INGLEWOOD	CA	1924	(21-50)		2.4
37 SACATE	FP	1970	(21-50)		2.8
38 GREEN CANYON BLK 339	FG	2001	(21-50)		0.0
39 WEST SAK	AK	1969	(21-50)		2.9
40 VENTURA	CA	1916	(21-50)		4.6
41 GREEN CANYON BLK 562	FG	1999	(21-50)		0.0
42 KELLY-SNYDER	TX	1948	(21-50)		7.4
43 YATES	TX	1926	(21-50)		6.9
44 BOREALIS	AK	2001	(21-50)		11.8
45 MCELROY	TX	1926	(21-50)		4.7
46 VACUUM	NM	1929	(21-50)		7.4
47 ROBERTSON NORTH	TX	1956	(21-50)		4.0
48 MISSISSIPPI CANYON BLK 773	FG	2000	(21-50)		0.0
49 VIOSCA KNOLL BLK 786	FG	1996	(21-50)		19.3
50 GREATER ANETH	UT	1956	(21-50)		4.3
Top 50 Volume Subtotal			12,536.3	3,240.2	816.3
Top 50 Percentage of U.S. Total			54.3%	54.2%	39.5%

Table B1. Top 100 U.S. Fields Ranked by Liquids Proved Reserves from Estimated 2003 Field Level Data^a
(Continued)
(Million Barrels of 42 U.S. Gallons)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Nonproducing Reserves	2003 Estimated Production Volume
51 MONUMENT BUTTE	UT	1964	(51-100)		1.9
52 HAWKINS	TX	1940	(51-100)		3.2
53 GOLDSMITH NORTH	TX	1946	(51-100)		4.7
54 FULLERTON	TX	1942	(51-100)		4.8
55 RANGELY	CO	1902	(51-100)		4.7
56 MISSISSIPPI CANYON BLK 20	FG	1995	(51-100)		0.5
57 POLARIS	AK	2000	(51-100)		0.9
58 ARROYO GRANDE	CA	1906	(51-100)		0.7
59 GREEN CANYON BLK 680	FG	2003	(51-100)		0.0
60 LAKE WASHINGTON	LA	1931	(51-100)		3.5
61 COALINGA	CA	1887	(51-100)		6.4
62 GIDDINGS	TX	1960	(51-100)		10.3
63 JAY	AL & FL	1970	(51-100)		2.6
64 PENNEL	MT	1955	(51-100)		2.4
65 SEMINOLE	TX	1936	(51-100)		8.6
66 SALT CREEK	TX	1942	(51-100)		4.9
67 TARN	AK	1991	(51-100)		12.6
68 GREEN CANYON BLK 608	FG	2002	(51-100)		0.0
69 MISSISSIPPI CANYON BLK 582	FG	2000	(51-100)		1.1
70 MEANS	TX	1934	(51-100)		3.8
71 ELM COULEE	MT	2000	(51-100)		2.3
72 HARTZOG DRAW	WY	1976	(51-100)		3.1
73 CEDAR LAKE	TX	1939	(51-100)		2.4
74 GOLDEN TREND	OK	1945	(51-100)		3.3
75 BELRIDGE NORTH	CA	1912	(51-100)		2.8
76 AURORA	AK	1969	(51-100)		3.8
77 GREEN CANYON BLK 243	FG	2001	(51-100)		8.2
78 KERN FRONT	CA	1925	(51-100)		1.5
79 EWING BANK BLK 873	FG	1991	(51-100)		7.9
80 EAST BREAKS BLK 690	FG	2001	(51-100)		10.6
81 JO-MILL	TX	1953	(51-100)		2.5
82 ANTON-IRISH	TX	1944	(51-100)		5.5
83 ORION	AK	2002	(51-100)		0.4
84 VIOSCA KNOLL BLK 990	FG	1981	(51-100)		8.1
85 WEST DELTA BLK 30	FG	1949	(51-100)		4.3
86 HOWARD-GLASSCOCK	TX	1925	(51-100)		3.1
87 GARDEN BANKS BLK 668	FG	2000	(51-100)		0.0
88 GREEN CANYON BLK 205	FG	1988	(51-100)		11.5
89 ALAMINOS CANYON BLK 25	FG	1997	(51-100)		7.9
90 LOOKOUT BUTTE EAST	MT	1986	(51-100)		1.8
91 VIOSCA KNOLL BLK 915	FG	1993	(51-100)		2.9
92 WASSON 72	TX	1940	(51-100)		1.7
93 NIAKUK	AK	1984	(51-100)		4.6
94 MELTWATER	AK	2001	(51-100)		2.1
95 PATRICK DRAW	WY	1959	(51-100)		0.1
96 WELCH	TX	1942	(51-100)		2.0
97 ELK BASIN	MT & WY	1915	(51-100)		3.0
98 SOUTH PASS EA BLK 62	FG	1967	(51-100)		1.7
99 MISSISSIPPI CANYON BLK 935	FG	1994	(51-100)		4.9
100 FOSTER	TX	1932	(51-100)		2.6
Top 100 Volume Subtotal			14,894.8	4,003.2	1,010.5
Top 100 Percentage of U.S. Total			64.5%	67.0%	48.9%

^aIncludes lease condensate.

Notes: The U.S. total production estimate of 2,068 million barrels and the U.S. total reserves estimate of 23,106 million barrels, used to calculate the percentages in this table, are from the combined totals of Table 6 and Table 15 in this publication. Column totals may not add due to independent rounding.

FP = Federal Offshore Pacific

FG = Federal Offshore Gulf of Mexico

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

Table B2. Top 100 U.S. Fields Ranked by Gas Proved Reserves from Estimated 2003 Field Level Data^a
(Billion Cubic Feet)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Nonproducing Reserves	2003 Reported Production Volume
1 SAN JUAN BASIN GAS AREA	CO & NM	1927	(1-10)		1479.6
2 PRUDHOE BAY	AK	1967	(1-10)		209.6
3 HUGOTON GAS AREA	KS & OK & TX	1922	(1-10)		348.1
4 PINEDALE	WY	1955	(1-10)		87.3
5 JONAH	WY	1977	(1-10)		244.5
6 NEWARK EAST	TX	1981	(1-10)		306.4
7 MADDEN	WY	1968	(1-10)		108.1
8 WATTENBERG	CO	1970	(1-10)		194.2
9 RATON BASIN GAS AREA	CO & NM	1998	(1-10)		94.7
10 ANTRIM	MI	1965	(1-10)		144.7
Top 10 Volume Subtotal				48,552.4	3,217.3
Top 10 Percentage of U.S. Total				24.6%	15.9%
11 PRB COALBED	WY	1992	(11-20)		296.3
12 LOWER MOBILE BAY AREA	AL & FG	1979	(11-20)		187.9
13 CARTHAGE	TX	1944	(11-20)		170.7
14 NATURAL BUTTES	UT	1952	(11-20)		84.0
15 SPRABERRY TREND AREA	TX	1950	(11-20)		72.1
16 FOGARTY CREEK	WY	1975	(11-20)		34.7
17 SAWYER	TX	1975	(11-20)		74.3
18 MAMM CREEK	CO	1959	(11-20)		57.5
19 BIG SANDY	KY & WV	1881	(11-20)		48.6
20 VERNON	LA	1967	(11-20)		59.7
Top 20 Volume Subtotal				64,681.6	4,303.2
Top 20 Percentage of U.S. Total				32.8%	21.3%
21 OAKWOOD	VA	1990	(21-50)		51.2
22 PANHANDLE WEST	TX	1918	(21-50)		91.6
23 RULISON	CO	1958	(21-50)		30.1
24 DRUNKARDS WASH	UT	1989	(21-50)		78.4
25 ELK HILLS	CA	1920	(21-50)		113.2
26 RED OAK-NORRIS	OK	1910	(21-50)		77.2
27 GRAND VALLEY	CO	1985	(21-50)		31.2
28 OAK HILL	TX	1958	(21-50)		62.4
29 GIDDINGS	TX	1960	(21-50)		125.1
30 MISSISSIPPI CANYON BLK 810	FG	1996	(21-50)		60.9
31 LAKE RIDGE	WY	1981	(21-50)		14.3
32 ELM GROVE	LA	1958	(21-50)		57.9
33 STRONG CITY DISTRICT	OK	1966	(21-50)		66.8
34 BELUGA RIVER	AK	1962	(21-50)		56.6
35 PANOMA GAS AREA	KS	1956	(21-50)		66.8
36 GOMEZ	TX	1977	(21-50)		50.6
37 BALD PRAIRIE	TX	1976	(21-50)		41.3
38 MAYFIELD NE	OK	1951	(21-50)		100.2
39 GOLDEN TREND	OK	1945	(21-50)		47.1
40 MOCANE-LAVERNE GAS AREA	KS & OK & TX	1947	(21-50)		82.1
41 MISSISSIPPI CANYON BLK 383	FG	1987	(21-50)		5.7
42 DEW	TX	1982	(21-50)		48.1
43 WATONGA-CHICKASHA TREND	OK	1962	(21-50)		51.7
44 PARACHUTE	CO	1985	(21-50)		24.0
45 COOK INLET NORTH	AK	1962	(21-50)		48.1
46 FREESTONE	TX	1949	(21-50)		55.1
47 EAST BREAKS BLK 690	FG	2001	(21-50)		66.6
48 FARRAR	TX	1963	(21-50)		27.4
49 WEBBER CREEK	MI	1994	(21-50)		20.7
50 MISSISSIPPI CANYON BLK 807	FG	1989	(21-50)		68.8
Top 50 Volume Subtotal				85,803.4	6,024.4
Top 50 Percentage of U.S. Total				43.5%	29.8%

Table B2. Top 100 U.S. Fields Ranked by Gas Proved Reserves from Estimated 2003 Field Level Data^a
(Continued)
 (Billion Cubic Feet)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Nonproducing Reserves	2003 Reported Production Volume
51 WAMSUTTER	WY	1958	(51-100)		36.2
52 EAST BREAKS BLK 945	FG	1994	(51-100)		50.0
53 SLIGO	LA	1922	(51-100)		14.0
54 KINTA	OK	1914	(51-100)		42.9
55 VIOSCA KNOLL BLK 956	FG	1985	(51-100)		76.8
56 MISSISSIPPI CANYON BLK 778	FG	1999	(51-100)		0.0
57 DOWDY RANCH	TX	1999	(51-100)		42.2
58 WASSON	TX	1937	(51-100)		21.9
59 WILD ROSE	WY	1975	(51-100)		22.0
60 GREEN RIVER BEND	WY	1958	(51-100)		29.8
61 KUPARUK RIVER	AK	1969	(51-100)		23.8
62 BRUFF	WY	1969	(51-100)		33.3
63 OAKS	TX	1975	(51-100)		19.2
64 ECHO SPRINGS	WY	1977	(51-100)		30.8
65 WILBURTON	OK	1941	(51-100)		47.9
66 STANDARD DRAW	WY	1979	(51-100)		23.0
67 MOBILE BLK 823	FG	1983	(51-100)		31.9
68 OZONA	TX	1962	(51-100)		28.6
69 NORA	VA	1949	(51-100)		17.1
70 VERDEN WEST	OK	1981	(51-100)		30.4
71 HOLLY	LA	1928	(51-100)		19.4
72 BROWN-BASSETT	TX	1953	(51-100)		35.3
73 BOONSVILLE	TX	1950	(51-100)		27.7
74 MESA	WY	1977	(51-100)		25.0
75 ELK CITY	OK	1947	(51-100)		42.6
76 STRATTON	TX	1937	(51-100)		14.0
77 CEMENT	OK	1917	(51-100)		41.0
78 BUFFALO WALLOW	TX	1978	(51-100)		19.1
79 GARDEN BANKS BLK 668	FG	2000	(51-100)		0.0
80 GARDEN BANKS BLK 877	FG	2003	(51-100)		0.0
81 BETHANY	TX	1936	(51-100)		23.3
82 MESA UNIT	WY	1981	(51-100)		23.0
83 KNOX	OK	1916	(51-100)		35.1
84 MIMMS CREEK	TX	1978	(51-100)		28.1
85 INDIAN BASIN	NM	1971	(51-100)		124.3
86 OVERTON	TX	1973	(51-100)		21.7
87 CEDARDALE NE	OK	1958	(51-100)		21.7
88 LABARGE	WY	1924	(51-100)		25.0
89 BROOKWOOD COAL DEGASIFICAT	AL	1981	(51-100)		20.0
90 TEAGUE	TX	1945	(51-100)		11.3
91 WILLOW SPRINGS	TX	1954	(51-100)		28.0
92 GREEN CANYON BLK 699	FG	1998	(51-100)		0.0
93 CEDAR COVE COAL DEGAS	AL	1983	(51-100)		17.9
94 MISSISSIPPI CANYON BLK 731	FG	1987	(51-100)		92.7
95 OAK GROVE COAL DEGAS	AL	1980	(51-100)		14.1
96 BELRIDGE SOUTH	CA	1911	(51-100)		16.3
97 BLANCO SOUTH	NM	1951	(51-100)		18.0
98 BLUE CREEK COAL DEGAS	AL	1988	(51-100)		19.5
99 BEAR GRASS	TX	1977	(51-100)		11.8
100 DOUBLE A WELLS	TX	1980	(51-100)		18.9
Top 100 Volume Subtotal			102,144.6	22,752.2	7,441.3
Top 100 Percentage of U.S. Total			51.8%	46.4%	36.8%

^aTotal wet gas after lease separation.

Note: The U.S. total production estimate of 20,231 billion cubic feet and the U.S. total reserves estimate of 197,145 billion cubic feet, used to calculate the percentages in this table, are from Table 9 in this publication. Column totals may not add due to independent rounding.

FP = Federal Offshore Pacific

FG = Federal Offshore Gulf of Mexico

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

Table B3. Top 100 U.S. Fields Ranked by Liquids Production from Estimated 2003 Field Level Data^a
(Million Barrels of 42 U.S. Gallons)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Nonproducing Reserves	2003 Estimated Production Volume
1 PRUDHOE BAY	AK	1967	(1-10)		141.3
2 KUPARUK RIVER	AK	1969	(1-10)		58.8
3 MISSISSIPPI CANYON BLK 807	FG	1989	(1-10)		58.1
4 MIDWAY-SUNSET	CA	1901	(1-10)		47.8
5 BELRIDGE SOUTH	CA	1911	(1-10)		41.1
6 MISSISSIPPI CANYON BLK 810	FG	1996	(1-10)		36.9
7 KERN RIVER	CA	1899	(1-10)		36.7
8 ALPINE	AK	1994	(1-10)		36.1
9 MISSISSIPPI CANYON BLK 84	FG	1993	(1-10)		33.9
10 WASSON	TX	1937	(1-10)		26.1
Top 10 Volume Subtotal			6,042.4	657.5	516.6
Top 10 Percentage of U.S. Total			26.2%	11.0%	25.0%
11 NORTHSTAR	AK	1984	(11-20)		22.9
12 GREEN CANYON BLK 158	FG	1992	(11-20)		19.8
13 SPRABERRY TREND AREA	TX	1950	(11-20)		19.8
14 VIOSCA KNOLL BLK 786	FG	1996	(11-20)		19.3
15 MILNE POINT	AK	1982	(11-20)		18.8
16 ELK HILLS	CA	1920	(11-20)		18.7
17 CYMRIC	CA	1916	(11-20)		18.7
18 WILMINGTON	CA	1932	(11-20)		14.9
19 SLAUGHTER	TX	1937	(11-20)		14.3
20 POINT MCINTYRE	AK	1988	(11-20)		13.8
Top 20 Volume Subtotal			8,094.1	875.5	697.7
Top 20 Percentage of U.S. Total			35.0%	14.6%	33.7%
21 GREEN CANYON BLK 244	FG	1994	(21-50)		12.8
22 TARN	AK	1991	(21-50)		12.6
23 BOREALIS	AK	2001	(21-50)		11.8
24 GREEN CANYON BLK 205	FG	1988	(21-50)		11.5
25 EAST BREAKS BLK 643	FG	1999	(21-50)		11.3
26 LOST HILLS	CA	1910	(21-50)		11.0
27 EAST BREAKS BLK 690	FG	2001	(21-50)		10.6
28 GIDDINGS	TX	1960	(21-50)		10.3
29 MISSISSIPPI CANYON BLK 899	FG	1998	(21-50)		10.2
30 LEVELLAND	TX	1945	(21-50)		9.6
31 MAIN PASS BLK 61	FG	2001	(21-50)		9.6
32 ENDICOTT	AK	1978	(21-50)		9.2
33 GARDEN BANKS BLK 215	FG	1995	(21-50)		8.7
34 SEMINOLE	TX	1936	(21-50)		8.6
35 WATTENBERG	CO	1970	(21-50)		8.6
36 SHO-VEL-TUM	OK	1905	(21-50)		8.4
37 GREEN CANYON BLK 243	FG	2001	(21-50)		8.2
38 VIOSCA KNOLL BLK 990	FG	1981	(21-50)		8.1
39 EWING BANK BLK 873	FG	1991	(21-50)		7.9
40 ALAMINOS CANYON BLK 25	FG	1997	(21-50)		7.9
41 VACUUM	NM	1929	(21-50)		7.4
42 KELLY-SNYDER	TX	1948	(21-50)		7.4
43 EUGENE ISLAND SA BLK 330	FG	1971	(21-50)		7.1
44 COWDEN NORTH	TX	1930	(21-50)		7.0
45 YATES	TX	1926	(21-50)		6.9
46 HONDO	FP	1969	(21-50)		6.8
47 VIOSCA KNOLL BLK 956	FG	1985	(21-50)		6.6
48 COALINGA	CA	1887	(21-50)		6.4
49 GARDEN BANKS BLK 426	FG	1992	(21-50)		6.4
50 INDIAN BASIN	NM	1971	(21-50)		6.4
Top 50 Volume Subtotal			10,175.2	1,258.2	963.1
Top 50 Percentage of U.S. Total			44.0%	21.0%	46.6%

Table B3. Top 100 U.S. Fields Ranked by Liquids Production from Estimated 2003 Field Level Data^a
(Continued)
(Million Barrels of 42 U.S. Gallons)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Nonproducing Reserves	2003 Estimated Production Volume
51 GARDEN BANKS BLK 260	FG	1995	(51-100)		6.4
52 PESCADO	FP	1970	(51-100)		6.3
53 SOUTH TIMBALIER BLK 37	FG	1974	(51-100)		6.3
54 GREEN CANYON BLK 236	FG	1999	(51-100)		6.1
55 KENT BAYOU	LA	1950	(51-100)		5.5
56 ANTON-IRISH	TX	1944	(51-100)		5.5
57 GARDEN BANKS BLK 559	FG	1999	(51-100)		5.4
58 GREEN CANYON BLK 254	FG	1994	(51-100)		5.2
59 VIOSCA KNOLL BLK 825	FG	1988	(51-100)		5.0
60 SALT CREEK	TX	1942	(51-100)		4.9
61 MISSISSIPPI CANYON BLK 935	FG	1994	(51-100)		4.9
62 FULLERTON	TX	1942	(51-100)		4.8
63 MCELROY	TX	1926	(51-100)		4.7
64 POINT ARGUELLO	FP	1981	(51-100)		4.7
65 RANGELY	CO	1902	(51-100)		4.7
66 GOLDSMITH NORTH	TX	1946	(51-100)		4.7
67 NIAKUK	AK	1984	(51-100)		4.6
68 VENTURA	CA	1916	(51-100)		4.6
69 GRAND ISLE BLK 43	FG	1956	(51-100)		4.6
70 SAN ARDO	CA	1947	(51-100)		4.5
71 WEST DELTA BLK 30	FG	1949	(51-100)		4.3
72 GREATER ANETH	UT	1956	(51-100)		4.3
73 GREEN CANYON BLK 282	FG	2002	(51-100)		4.3
74 MCARTHUR RIVER	AK	1965	(51-100)		4.1
75 MAIN PASS SA BLK 299	FG	1967	(51-100)		4.1
76 GREEN CANYON BLK 65	FG	1984	(51-100)		4.0
77 BAY MARCHAND BLK 2	LA	1949	(51-100)		4.0
78 ELAND	ND	1995	(51-100)		4.0
79 ROBERTSON NORTH	TX	1956	(51-100)		4.0
80 CEDAR HILLS	ND & MT & SD	1954	(51-100)		3.9
81 AURORA	AK	1969	(51-100)		3.8
82 MEANS	TX	1934	(51-100)		3.8
83 MISSISSIPPI CANYON BLK 109	FG	1984	(51-100)		3.7
84 EAST TEXAS	TX	1930	(51-100)		3.7
85 HOBBS	NM	1928	(51-100)		3.7
86 GREEN CANYON BLK 112	FG	1998	(51-100)		3.7
87 LAKE WASHINGTON	LA	1931	(51-100)		3.5
88 LISBURNE	AK	1967	(51-100)		3.4
89 HIGH ISLAND SA BLK A563	FG	1975	(51-100)		3.3
90 GOLDEN TREND	OK	1945	(51-100)		3.3
91 HAWKINS	TX	1940	(51-100)		3.2
92 EUGENE ISLAND BLK 238	FG	1964	(51-100)		3.1
93 HOWARD-GLASSCOCK	TX	1925	(51-100)		3.1
94 HARTZOG DRAW	WY	1976	(51-100)		3.1
95 SHIP SHOAL BLK 169	FG	1961	(51-100)		3.1
96 ELK BASIN	MT & WY	1915	(51-100)		3.0
97 MAIN PASS BLK 41	FG	1957	(51-100)		3.0
98 HUNTINGTON BEACH	CA	1920	(51-100)		3.0
99 DOLLARHIDE	NM & TX	1945	(51-100)		2.9
100 SOUTH MARSH IS SA BLK 128	FG	1975	(51-100)		2.9
Top 100 Volume Subtotal			12,192.4	1,566.7	1,173.6
Top 100 Percentage of U.S. Total			52.8%	26.2%	56.8%

^aIncludes lease condensate.

Notes: The U.S. total production estimate of 2,068 million barrels and the U.S. total reserves estimate of 23,106 million barrels, used to calculate the percentages in this table, are from the combined totals of Table 6 and Table 15 in this publication. Column totals may not add due to independent rounding.

FP = Federal Offshore Pacific

FG = Federal Offshore Gulf of Mexico

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

Table B4. Top 100 U.S. Fields Ranked by Gas Production from Estimated 2003 Field Level Data^a
(Billion Cubic Feet)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Nonproducing Reserves	2003 Reported Production Volume
1 SAN JUAN BASIN GAS AREA	CO & NM	1927	(1-10)		1479.6
2 HUGOTON GAS AREA	KS & OK & TX	1922	(1-10)		348.1
3 NEWARK EAST	TX	1981	(1-10)		306.4
4 PRB COALBED	WY	1992	(1-10)		296.3
5 JONAH	WY	1977	(1-10)		244.5
6 PRUDHOE BAY	AK	1967	(1-10)		209.6
7 WATTENBERG	CO	1970	(1-10)		194.2
8 LOWER MOBILE BAY AREA	AL & FG	1979	(1-10)		187.9
9 CARTHAGE	TX	1944	(1-10)		170.7
10 ANTRIM	MI	1965	(1-10)		144.7
Top 10 Volume Subtotal			46,356.9	8,251.4	3,582.0
Top 10 Percentage of U.S. Total			23.5%	16.8%	17.7%
11 GIDDINGS	TX	1960	(11-20)		125.1
12 INDIAN BASIN	NM	1971	(11-20)		124.3
13 ELK HILLS	CA	1920	(11-20)		113.2
14 MADDEN	WY	1968	(11-20)		108.1
15 MAYFIELD NE	OK	1951	(11-20)		100.2
16 RATON BASIN GAS AREA	CO & NM	1998	(11-20)		94.7
17 MISSISSIPPI CANYON BLK 731	FG	1987	(11-20)		92.7
18 PANHANDLE WEST	TX	1918	(11-20)		91.6
19 PINEDALE	WY	1955	(11-20)		87.3
20 NATURAL BUTTES	UT	1952	(11-20)		84.0
Top 20 Volume Subtotal			60,393.5	11,042.4	4,603.4
Top 20 Percentage of U.S. Total			30.6%	22.5%	22.8%
21 MOCANE-LAVERNE GAS AREA	KS & OK & TX	1947	(21-50)		82.1
22 DRUNKARDS WASH	UT	1989	(21-50)		78.4
23 RED OAK-NORRIS	OK	1910	(21-50)		77.2
24 VIOSCA KNOLL BLK 956	FG	1985	(21-50)		76.8
25 SAWYER	TX	1975	(21-50)		74.3
26 SPRABERRY TREND AREA	TX	1950	(21-50)		72.1
27 MISSISSIPPI CANYON BLK 305	FG	2002	(21-50)		71.5
28 MISSISSIPPI CANYON BLK 807	FG	1989	(21-50)		68.8
29 STRONG CITY DISTRICT	OK	1966	(21-50)		66.8
30 PANOMA GAS AREA	KS	1956	(21-50)		66.8
31 EAST BREAKS BLK 690	FG	2001	(21-50)		66.6
32 OAK HILL	TX	1958	(21-50)		62.4
33 MISSISSIPPI CANYON BLK 810	FG	1996	(21-50)		60.9
34 VERNON	LA	1967	(21-50)		59.7
35 ELM GROVE	LA	1958	(21-50)		57.9
36 MAMM CREEK	CO	1959	(21-50)		57.5
37 BELUGA RIVER	AK	1962	(21-50)		56.6
38 FREESTONE	TX	1949	(21-50)		55.1
39 LA PERLA	TX	1958	(21-50)		53.9
40 JUDGE DIGBY	LA	1977	(21-50)		53.4
41 MCALLEN RANCH	TX	1986	(21-50)		53.3
42 VIOSCA KNOLL BLK 915	FG	1993	(21-50)		52.6
43 VAQUILLAS RANCH	TX	1978	(21-50)		52.4
44 WHITNEY CANYON-CARTER CRK	WY	1978	(21-50)		52.4
45 EAST BREAKS BLK 579	FG	2003	(21-50)		52.3
46 WATONGA-CHICKASHA TREND	OK	1962	(21-50)		51.7
47 OAKWOOD	VA	1990	(21-50)		51.2
48 GOMEZ	TX	1977	(21-50)		50.6
49 EAST BREAKS BLK 945	FG	1994	(21-50)		50.0
50 MISSISSIPPI CANYON BLK 211	FG	1994	(21-50)		50.0
Top 50 Volume Subtotal			79,072.1	15,801.0	6,438.9
Top 50 Percentage of U.S. Total			40.1%	32.2%	31.8%

Table B4. Top 100 U.S. Fields Ranked by Gas Production from Estimated 2003 Field Level Data^a
(Continued)
 (Billion Cubic Feet)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Nonproducing Reserves	2003 Reported Production Volume
51 BIG SANDY	KY & WV	1881	(51-100)		48.6
52 COOK INLET NORTH	AK	1962	(51-100)		48.1
53 SOUTH TIMBALIER BLK 176	FG	1963	(51-100)		48.1
54 DEW	TX	1982	(51-100)		48.1
55 WILBURTON	OK	1941	(51-100)		47.9
56 WEST CAMERON BLK 46	FG	2002	(51-100)		47.4
57 GOLDEN TREND	OK	1945	(51-100)		47.1
58 TOM EAST	TX	2001	(51-100)		46.5
59 SOUTH TIMBALIER BLK 190	FG	1965	(51-100)		46.3
60 B. M. T.	TX	1994	(51-100)		44.8
61 KINTA	OK	1914	(51-100)		42.9
62 GREEN CANYON BLK 116	FG	1985	(51-100)		42.8
63 ELK CITY	OK	1947	(51-100)		42.6
64 WEST CAMERON BLK 192	FG	1954	(51-100)		42.3
65 DOWDY RANCH	TX	1999	(51-100)		42.2
66 BALD PRAIRIE	TX	1976	(51-100)		41.3
67 CEMENT	OK	1917	(51-100)		41.0
68 MATAGORDA ISLAND BLK 623	FG	1980	(51-100)		41.0
69 JAVELINA	TX	1947	(51-100)		40.9
70 BRAZOS BLK A20	FG	1979	(51-100)		40.6
71 MCARTHUR RIVER	AK	1965	(51-100)		39.0
72 DESOTO CANYON BLK 133	FG	1993	(51-100)		38.1
73 HAWKINS	TX	1940	(51-100)		38.0
74 GARDEN BANKS BLK 215	FG	1995	(51-100)		37.5
75 MISSISSIPPI CANYON BLK 348	FG	2000	(51-100)		36.9
76 WAMSUTTER	WY	1958	(51-100)		36.2
77 MISSISSIPPI CANYON BLK 311	FG	1975	(51-100)		36.0
78 SAMANO	TX	1985	(51-100)		35.9
79 GREEN CANYON BLK 472	FG	1989	(51-100)		35.8
80 BROWN-BASSETT	TX	1953	(51-100)		35.3
81 KNOX	OK	1916	(51-100)		35.1
82 FOGARTY CREEK	WY	1975	(51-100)		34.7
83 EAST BREAKS BLK 688	FG	1992	(51-100)		34.2
84 ANSCHUTZ RANCH EAST	UT & WY	1980	(51-100)		34.1
85 BRAZOS SA BLK A133	FG	1975	(51-100)		33.9
86 BRUFF	WY	1969	(51-100)		33.3
87 HAYNES	TX	1954	(51-100)		33.3
88 EUGENE ISLAND BLK 238	FG	1964	(51-100)		33.1
89 FRESH WATER BAYOU	LA	1965	(51-100)		33.0
90 RIO VISTA	CA	1936	(51-100)		32.6
91 VIOSCA KNOLL BLK 783	FG	1985	(51-100)		32.3
92 MOBILE BLK 823	FG	1983	(51-100)		31.9
93 MISSISSIPPI CANYON BLK 194	FG	1975	(51-100)		31.5
94 CHARCO	TX	1948	(51-100)		31.3
95 SOONER TREND	OK	1938	(51-100)		31.2
96 GRAND VALLEY	CO	1985	(51-100)		31.2
97 MISSISSIPPI CANYON BLK 84	FG	1993	(51-100)		30.9
98 ECHO SPRINGS	WY	1977	(51-100)		30.8
99 MONTE CHRISTO NORTH	TX	1988	(51-100)		30.4
100 KENAI	AK	1959	(51-100)		30.4
Top 100 Volume Subtotal			93,145.0	18,654.6	8,347.5
Top 100 Percentage of U.S. Total			47.2%	38.0%	41.3%

^aTotal wet gas after lease separation.

Note: The U.S. total production estimate of 20,231 billion cubic feet and the U.S. total reserves estimate of 197,145 billion cubic feet, used to calculate the percentages in this table, are from Table 9 in this publication. Column totals may not add due to independent rounding.

FP = Federal Offshore Pacific

FG = Federal Offshore Gulf of Mexico

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

Table B5. Top U.S. Operators Ranked by Reported 2003 Operated Production Data

Rank	Company Name	Crude Oil Production (thousand barrels/day)	Rank	Company Name	Total Natural Gas Production (million cubic feet/day)
1	BP PLC	874	1	BP PLC	4,797
2	CHEVRONTEXACO INC	567	2	EXXONMOBIL CORP	2,992
3	SHELL OIL CO	466	3	CHEVRONTEXACO INC	2,554
4	CONOCOPHILLIPS CO	351	4	DEVON ENERGY CORP	2,313
5	OCCIDENTAL PETROLEUM CORP	265	5	SHELL OIL CO	2,279
6	EXXONMOBIL CORP	248	6	CONOCOPHILLIPS CO	2,266
7	AERA ENERGY LLC	228	7	ANADARKO PETROLEUM CORP	1,777
8	ANADARKO PETROLEUM CORP	104	8	BURLINGTON RESOURCES OIL & GAS CO	1,677
9	KERR-MCGEE CORP	97	9	EL PASO ENERGY	1,410
10	AMERADA HESS CORP	93	10	APACHE CORP	1,164
Top 10 Volume Subtotal		3,293	Top 10 Volume Subtotal		23,229
Top 10 Percentage of U.S. Total		58%	Top 10 Percentage of U.S. Total		42%
11	MARATHON OIL CO	84	11	UNOCAL CORP	1,025
12	DEVON ENERGY CORP	83	12	DOMINION RESOURCES INC	998
13	APACHE CORP	82	13	XTO ENERGY INC	985
14	UNOCAL CORP	65	14	CHESAPEAKE ENERGY CORP	929
15	NUEVO ENERGY CO	44	15	KERR-MCGEE CORP	912
16	POGO PRODUCING CO	43	16	MARATHON OIL CO	909
17	WESTPORT RESOURCES CORP	43	17	E O G RESOURCES INC	879
18	MERIT ENERGY CO	40	18	ENCANA OIL & GAS INC	835
19	CITY OF LONG BEACH	32	19	OCCIDENTAL PETROLEUM CORP	701
20	PLAINS EXPLOR & PROD CO	32	20	WILLIAMS ENERGY INC	662
Top 20 Volume Subtotal		3,841	Top 20 Volume Subtotal		32,064
Top 20 Percentage of U.S. Total		68%	Top 20 Percentage of U.S. Total		58%
21	PIONEER NATURAL RESOURCES USA	29	21	NEWFIELD EXPLORATION CO	579
22	CITATION OIL & GAS CORP	26	22	PIONEER NATURAL RESOURCES USA	495
23	BURLINGTON RESOURCES OIL & GAS CO	26	23	WESTPORT RESOURCES CORP	476
24	EL PASO ENERGY	26	24	AMERADA HESS CORP	466
25	NEXEN PETROLEUM USA INC	25	25	QUESTAR CORP	466
26	ENI PETROLEUM CO INC	23	26	SAMSON RESOURCES CO	465
27	NEWFIELD EXPLORATION CO	23	27	TOTALFINAELF SA	407
28	DENBURY RESOURCES INC	23	28	HOUSTON EXPLORATION	378
29	KINDER MORGAN PROD CO INC	23	29	TOM BROWN INC	306
30	HILCORP ENERGY CO	22	30	NOBLE ENERGY INC	302
31	E O G RESOURCES INC	21	31	MERIT ENERGY CO	299
32	NOBLE ENERGY INC	19	32	EQUITABLE RESOURCES INC	292
33	VINTAGE PETROLEUM INC	19	33	WALTER OIL & GAS CORP	277
34	PATINA OIL & GAS CORP	19	34	YATES PETROLEUM CORP	264
35	BERRY PETROLEUM CO	18	35	PATINA OIL & GAS CORP	249
36	ENCORE OPERATING LP	18	36	POGO PRODUCING CO	245
37	DOMINION RESOURCES INC	17	37	HUNT OIL CO	239
38	STONE ENERGY CORP	17	38	ENERGEN RESOURCES CORP	232
39	FOREST OIL CORP	16	39	CABOT OIL & GAS CORP	230
40	XTO ENERGY INC	16	40	FOREST OIL CORP	224
41	CHESAPEAKE ENERGY CORP	15	41	HILCORP ENERGY CO	217
42	NATIONAL FUEL GAS	14	42	STONE ENERGY CORP	214
43	WALTER OIL & GAS CORP	14	43	CIMAREX ENERGY CO	200
44	ST MARY LAND & EXPLOR CO	14	44	KAISER - FRANCIS OIL CO	192
45	GRUY PETROLEUM MANAGEMENT CO	13	45	DENBURY RESOURCES INC	181
46	BASS ENTERPRISES PRODUCTION CO	12	46	W & T OFFSHORE INC	181
47	BHP BILLITON	12	47	SPINNAKER EXPLORATION CO LLC	180
48	YATES PETROLEUM CORP	11	48	CALPINE NATURAL GAS CO	177
49	HUNT OIL CO	11	49	EVERGREEN OPERATING CORP	174
50	MARBOB ENERGY CORP	10	50	RED WILLOW LLC	173
Top 50 Volume Subtotal		4,393	Top 50 Volume Subtotal		40,844
Top 50 Percentage of U.S. Total		78%	Top 50 Percentage of U.S. Total		74%

Note: Crude oil production includes production of lease condensate. Total natural gas production is wet after lease separation.