

Appendix B

Top 100 Oil and Gas Fields for 2000

Top 100 Oil and Gas Fields for 2000

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. The gas field production and reserve data is total wet natural gas (associated-dissolved natural gas and nonassociated natural gas, wet after lease separation). Several of the same fields are in both tables B1 and B2.

Table B1. Top 100 Oil Fields for 2000

The top 100 oil fields in the United States as of December 31, 2000, had 14,508 million barrels of **proved reserves** accounting for 62 percent of the total United States (**Table 6 and Table 14**). 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. 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.

In the top 20 oil fields for 2000 there are two fields, Mississippi Canyon Block 807 (Mars) and Green Canyon Block 644 (Holstein) which are in the deep water of the Gulf of Mexico Federal Offshore.

The top 100 oil fields in the United States as of December 31, 2000, had 1,014 million barrels of **production**, or 49 percent of the total (**Table 6 and**

Table 14). Many of the oil fields in the top 100 are very old. The oldest, Coalinga in California, was discovered in 1887. The newest, Mississippi Canyon Block 773 and Mississippi Canyon Block 582, in the Gulf of Mexico Federal Offshore were reported to EIA in 2000. The oil fields with newer discovery dates are typically located in the Gulf of Mexico Offshore and Alaska.

Table B2. Top 100 Gas Fields for 2000

The top 100 gas fields in the United States as of December 31, 2000, had 86,512 billion cubic feet of wet natural gas **proved reserves**, or 46 percent of the total (**Table 9**).

The top 100 gas fields in the United States as of December 31, 2000, had 6,703 billion cubic feet of production, or 33 percent of the total (**Table 9**). Fewer of the gas fields in the top 100 are as old as the top 100 oil fields. There were 22 gas fields in Table B2 that were discovered prior to 1950. Gas fields in the top 100 are newer than the oil fields, 57 gas fields were discovered after 1967. The oldest, Big Sandy in Kentucky, was discovered in 1881. The gas fields with newer discovery dates are located in the Gulf of Mexico Offshore, New Mexico, and Colorado.

Table B3. Top U.S. Operators Ranked by Reported 2000 Operated Production Data

Table B3 lists the top U.S. oil and gas operators ranked by reported 2000 operated production data.

Table B1. Top 100 U.S. Fields Ranked by Oil^a Proved Reserves from Reported 2000 Field Level Data
(Million Barrels of 42 U.S. Gallons)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Reported Production Rank Group
PRUDHOE BAY	AK	1967	1-10	188.6
KUPARUK RIVER	AK	1969	1-10	49.6
MIDWAY-SUNSET	CA	1901	1-10	56.7
BELRIDGE SOUTH	CA	1911	1-10	41.3
WASSON	TX	1937	1-10	23.7
YATES	TX	1984	1-10	11.5
KERN RIVER	CA	1899	1-10	44.9
ELK HILLS	CA	1920	1-10	17.3
MISSISSIPPI CANYON BLK 807	FG	1989	1-10	51.7
MILNE POINT	AK	1982	1-10	19.2
Top 10 Volume Subtotal			7,519.5	504.6
Top 10 Percentage of U.S. Total			32.0%	24.2%
ALPINE	AK	1994	11-20	1.4
SPRABERRY TREND AREA	TX	1952	11-20	16.9
SLAUGHTER	TX	1937	11-20	13.9
HONDO	FP	1969	11-20	11.4
GREEN CANYON BLK 644	FG	1999	11-20	0.0
LEVELLAND	TX	1945	11-20	9.5
ENDICOTT	AK	1978	11-20	11.9
CYMRIC	CA	1916	11-20	20.5
PESCADO	FP	1970	11-20	7.5
SAN ARDO	CA	1947	11-20	4.8
Top 20 Volume Subtotal			9,713.9	602.4
Top 20 Percentage of U.S. Total			41.3%	28.9%
WILMINGTON	CA	1935	21-50	16.0
LOST HILLS	CA	1910	21-50	11.0
MISSISSIPPI CANYON BLK 810	FG	1996	21-50	30.9
MISSISSIPPI CANYON BLK 127	FG	1999	21-50	0.0
COWDEN NORTH	TX	1930	21-50	7.7
POINT MCINTYRE	AK	1988	21-50	25.0
SHO-VEL-TUM	OK	1905	21-50	7.1
VACUUM	NM	1929	21-50	7.9
ALAMINOS CANYON BLK 25	FG	1997	21-50	0.0
VENTURA	CA	1916	21-50	4.6
WATTENBERG	CO	1970	21-50	5.8
GREEN CANYON BLK 244	FG	1994	21-50	31.6
GREATER ANETH	UT	1956	21-50	4.1
COALINGA	CA	1887	21-50	7.9
RANGELY	CO	1902	21-50	5.9
HAWKINS	TX	1940	21-50	3.8
GREEN CANYON BLK 158	FG	1992	21-50	0.0
FULLERTON	TX	1942	21-50	5.2
MCELROY	TX	1926	21-50	6.2
MONUMENT BUTTE	UT	1964	21-50	1.5
GREEN CANYON BLK 205	FG	1988	21-50	14.8
GOLDSMITH	TX	1935	21-50	3.8
SEMINOLE	TX	1936	21-50	10.3
ROBERTSON NORTH	TX	1956	21-50	3.3
KELLY-SNYDER	TX	1948	21-50	4.0
SALT CREEK	TX	1968	21-50	6.3
ARROYO GRANDE	CA	1906	21-50	0.6
WEST SAK	AK	1969	21-50	1.0
JAY	FL & AL	1970	21-50	4.1
MONUMENT	NM	1935	21-50	2.7
Top 50 Volume Subtotal			12,399.6	835.7
Top 50 Percentage of U.S. Total			52.7%	40.0%

**Table B1. Top 100 U.S. Fields Ranked by Oil^a Proved Reserves from Reported 2000 Field Level Data
(Continued)
(Million Barrels of 42 U.S. Gallons)**

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Reported Production Rank Group
INGLEWOOD	CA	1924	51-100	2.7
T X L	TX	1944	51-100	2.4
HOBBS	NM	1928	51-100	1.5
WASSON 72	TX	1940	51-100	2.9
SACATE	FP	1970	51-100	2.2
MISSISSIPPI CANYON BLK 935	FG	1994	51-100	1.8
WEST DELTA BLK 30	FG	1949	51-100	10.2
TARN	AK	1991	51-100	6.5
GIDDINGS	TX	1960	51-100	5.9
MISSISSIPPI CANYON BLK 899	FG	1998	51-100	11.8
MEANS	TX	1934	51-100	0.0
HOWARD-GLASSCOCK	TX	1925	51-100	3.7
WESTBROOK	TX	1920	51-100	3.3
JO-MILL	TX	1953	51-100	1.1
CEDAR LAKE	TX	1939	51-100	2.4
MISSISSIPPI CANYON BLK 84	FG	1993	51-100	2.4
PENNEL	MT	1955	51-100	0.0
EWING BANK BLK 873	FG	1991	51-100	1.8
VIOSCA KNOLL BLK 990	FG	1981	51-100	11.2
DOS CUADRAS	FP	1968	51-100	13.0
GARDEN BANKS BLK 387	FG	1998	51-100	2.2
GARDEN BANKS BLK 426	FG	1992	51-100	0.0
GOLDEN TREND	OK	1945	51-100	24.4
EUGENE ISLAND SA BLK 330	FG	1971	51-100	2.0
FIORD	AK	1992	51-100	7.9
DOLLARHIDE	TX & NM	1945	51-100	0.0
ELK BASIN	MT & WY	1915	51-100	2.5
LOOKOUT BUTTE EAST	MT	1986	51-100	2.1
ANTON-IRISH	TX	1944	51-100	1.3
EUNICE MONUMENT	NM	1929	51-100	3.4
GARDEN BANKS BLK 559	FG	1999	51-100	1.1
MISSISSIPPI CANYON BLK 773	FG	2000	51-100	0.0
BELRIDGE NORTH	CA	1912	51-100	0.0
BREA-OLINDA	CA	1897	51-100	0.7
BEVERLY HILLS	CA	1900	51-100	1.1
GARDEN BANKS BLK 260	FG	1995	51-100	0.9
BLUEBELL	UT	1949	51-100	17.9
ELWOOD SOUTH OFFSHORE	CA	1966	51-100	3.4
HAMILTON DOME	WY	1918	51-100	1.4
MAIN PASS SA BLK 299	FG	1967	51-100	1.7
HEIDELBERG EAST	MS	1944	51-100	4.3
HUNTINGTON BEACH	CA	1964	51-100	1.8
KERN FRONT	CA	1925	51-100	3.1
GARDEN BANKS BLK 215	FG	1995	51-100	1.4
EUNICE NORTH	NM	1972	51-100	0.1
MISSISSIPPI CANYON BLK 582	FG	2000	51-100	0.6
FITTS EAST	OK	1944	51-100	0.0
CEDAR HILLS	ND	1995	51-100	0.6
IATAN EAST HOWARD	TX	1926	51-100	3.2
VIOSCA KNOLL BLK 786	FG	1996	51-100	1.8
Top 100 Volume Subtotal			14,507.9	1,014.0
Top 100 Percentage of U.S. Total			61.7%	48.6%

^aIncludes lease condensate.

Notes: The U.S. total production estimate of 2,088 million barrels and the U.S. total reserves estimate of 23,517 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.

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

Table B2. Top 100 U.S. Fields Ranked by Gas^a Proved Reserves, from Reported 2000 Field Level Data
(Billion Cubic Feet)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Reported Production Rank Group
BLANCO / IGNACIO-BLANCO	NM & CO	1927	1-10	743.7
BASIN	NM	1947	1-10	653.7
PRUDHOE BAY	AK	1967	1-10	263.2
HUGOTON GAS AREA	KS & OK & TX	1922	1-10	436.8
MADDEN	WY	1968	1-10	85.1
CARTHAGE	TX	1944	1-10	191.3
WATTENBERG	CO	1970	1-10	133.1
JONAH	WY	1977	1-10	127.5
NATURAL BUTTES	UT	1952	1-10	57.7
MOBILE BAY FIELD	AL	1979	1-10	136.8
Top 10 Volume Subtotal			40,942.5	2,828.9
Top 10 Percentage of U.S. Total			22.0%	14.0%
FOGARTY CREEK	WY	1975	11-20	33.1
ANTRIM	MI	1965	11-20	175.9
NEWARK EAST	TX	1981	11-20	68.4
PANHANDLE WEST	TX	1918	11-20	102.7
DRUNKARDS WASH	UT	1989	11-20	64.7
OAKWOOD	VA	1990	11-20	41.1
RATON	CO	1994	11-20	32.9
SPRABERRY TREND AREA	TX	1952	11-20	65.8
BIG SANDY	KY & WV	1881	11-20	28.7
ELK HILLS	CA	1920	11-20	134.7
Top 20 Volume Subtotal			52,227.8	3,576.9
Top 20 Percentage of U.S. Total			28.0%	17.7%
STRATTON	TX	1937	21-50	39.3
LAKE RIDGE	WY	1981	21-50	15.8
RED OAK-NORRIS	OK	1910	21-50	53.0
SAWYER	TX	1975	21-50	45.6
PANOMA GAS AREA	KS	1956	21-50	78.3
COOK INLET NORTH	AK	1962	21-50	52.8
BELUGA RIVER	AK	1962	21-50	25.8
GOMEZ	TX	1977	21-50	55.6
OAK HILL	TX	1958	21-50	62.0
STRONG CITY DISTRICT	OK	1966	21-50	63.5
VIOSCA KNOLL BLK 956	FG	1985	21-50	103.6
WHITNEY CANYON-CARTER CRK	WY	1978	21-50	70.8
GIDDINGS	TX	1960	21-50	187.7
EAST BREAKS BLK 945	FG	1994	21-50	25.3
GOLDEN TREND	OK	1945	21-50	39.3
MONTE CHRISTO	TX	1982	21-50	24.7
MOCANE-LAVERNE GAS AREA	KS & OK & TX	1946	21-50	59.9
DEW	TX	1982	21-50	52.4
MOBILE BLK 823	FG	1983	21-50	66.3
LOWER MOBILE BAY-MARY ANN	AL	1979	21-50	31.0
VERMEJO PARK RANCH	NM & CO	1999	21-50	1.2
VERDEN	OK	1948	21-50	65.5
WASSON	TX	1937	21-50	10.6
NORA	VA	1949	21-50	25.4
MISSISSIPPI CANYON BLK 810	FG	1996	21-50	49.1
WATONGA-CHICKASHA TREND	OK	1962	21-50	55.4
INDIAN BASIN	NM	1971	21-50	94.3
BRUFF	WY	1969	21-50	38.3
PINEDALE	WY	1955	21-50	3.7
ELK CITY	OK	1947	21-50	66.2
Top 50 Volume Subtotal			71,081.8	5,139.5
Top 50 Percentage of U.S. Total			38.1%	25.5%

**Table B2. Top 100 U.S. Fields Ranked by Gas^a Proved Reserves, from Reported 2000 Field Level Data
(Continued)
(Billion Cubic Feet)**

Field Name	Location	Discovery Year	Proved Reserves Rank Group	Reported Production Rank Group
BELRIDGE SOUTH	CA	1911	51-100	66.2
GRAND ISLE BLK 116	FG	1999	51-100	19.6
MISSISSIPPI CANYON BLK 731	FG	1987	51-100	0.0
WILBURTON	OK	1941	51-100	77.9
LA PERLA	TX	1958	51-100	50.7
KNOX	OK	1916	51-100	75.0
BOB WEST	TX	1990	51-100	65.9
RULISON	CO	1958	51-100	47.2
MISSISSIPPI CANYON BLK 807	FG	1989	51-100	23.9
VIOSCA KNOLL BLK 915	FG	1993	51-100	62.1
JUDGE DIGBY	LA	1977	51-100	1.8
OZONA	TX	1962	51-100	56.9
MATAGORDA ISLAND BLK 623	FG	1980	51-100	28.9
ELM GROVE	LA	1958	51-100	84.1
MCALLEN RANCH	TX	1986	51-100	34.2
WAMSUTTER	WY	1958	51-100	52.8
VAQUILLAS RANCH	TX	1978	51-100	27.8
KUPARUK RIVER	AK	1969	51-100	67.2
A W P	TX	1981	51-100	16.5
KINTA	OK	1914	51-100	5.5
DOUBLE A WELLS	TX	1980	51-100	35.7
MESA UNIT	WY	1981	51-100	41.2
GRAND VALLEY	CO	1985	51-100	3.5
FAIRWAY	AL	1986	51-100	18.3
ECHO SPRINGS	WY	1977	51-100	33.5
EAST BREAKS BLK 602	FG	1999	51-100	25.7
MCARTHUR RIVER	AK	1965	51-100	0.0
CEDAR COVE COAL DEGAS	AL	1983	51-100	66.7
EUGENE ISLAND SA BLK 346	FG	1988	51-100	19.4
FREESTONE	TX	1949	51-100	0.0
WILLOW SPRINGS	TX	1954	51-100	11.2
WILD ROSE	WY	1975	51-100	24.7
BLOCK 16	TX	1969	51-100	22.5
TABLE ROCK	WY	1946	51-100	24.8
ANSCHUTZ RANCH EAST	UT & WY	1980	51-100	10.9
BEAVER CREEK	WY	1949	51-100	51.6
DESOTO CANYON BLK 133	FG	1993	51-100	13.2
PAINTER RESERVOIR EAST	WY	1979	51-100	0.0
CEMENT	OK	1917	51-100	33.5
GARDEN BANKS BLK 426	FG	1992	51-100	25.5
MIMMS CREEK	TX	1978	51-100	115.4
KENAI	AK	1959	51-100	25.0
BLANCO SOUTH	NM	1951	51-100	11.9
HONDO	FP	1969	51-100	17.3
TIP TOP	WY	1928	51-100	23.7
BLUE CREEK COAL DEGAS	AL	1988	51-100	17.2
SARITA EAST	TX	1967	51-100	14.7
MISSISSIPPI CANYON BLK 211	FG	1994	51-100	15.4
SOUTH PASS SA BLK 89	FG	1969	51-100	0.0
LAKE ARTHUR SOUTH	LA	1955	51-100	41.9
Top 100 Volume Subtotal			86,511.7	6,702.7
Top 100 Percentage of U.S. Total			46.4%	33.2%

^aTotal wet gas after lease separation.

Note: The U.S. total production estimate of 20,164 billion cubic feet and the U.S. total reserves estimate of 186,510 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.

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

Table B3. Top U.S. Operators Ranked by Reported 2000 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 AMOCO PLC	942	1	BP AMOCO PLC	5,090
2	SHELL OIL CO	444	2	EXXON MOBIL PRODUCTION CO	3,712
3	CHEVRON U S A PRODUCTION CO	343	3	SHELL OIL CO	2,596
4	EXXON MOBIL PRODUCTION CO	297	4	BURLINGTON RESOURCES OIL & GAS CO	2,241
5	TEXACO INC	292	5	CHEVRON U S A PRODUCTION CO	2,119
6	AERA ENERGY LLC	245	6	EL PASO PRODUCTION CO	1,941
7	OXY USA INC	243	7	TEXACO INC	1,596
8	PHILLIPS PETROLEUM CO	190	8	ANADARKO PETROLEUM CORP	1,567
9	MARATHON OIL CO	129	9	DEVON ENERGY CORP	1,525
10	AMERADA HESS CORP	104	10	PHILLIPS PETROLEUM CO	1,488
Top 10 Volume Subtotal		3,231	Top 10 Volume Subtotal		23,875
Top 10 Percentage of U.S. Total		56%	Top 10 Percentage of U.S. Total		43%
11	APACHE CORP	83	11	APACHE CORP	1,258
12	DEVON ENERGY CORP	83	12	UNOCAL CORP	1,251
13	MERIT ENERGY CO	77	13	CONOCO INC	1,051
14	ANADARKO PETROLEUM CORP	74	14	MARATHON OIL CO	905
15	UNOCAL CORP	67	15	OXY USA INC	901
16	KERR MCGEE O&G CORP	60	16	CROSS TIMBERS OPERATING CO	519
17	NUEVO ENERGY CO	52	17	OCEAN ENERGY INC	505
18	CITY OF LONG BEACH	37	18	CHESAPEAKE OPERATING INC	502
19	CONOCO INC	37	19	QUICKSILVER RESOURCES INC	470
20	BURLINGTON RESOURCES OIL & GAS CO	35	20	EOG RESOURCES INC	465
Top 20 Volume Subtotal		3,835	Top 20 Volume Subtotal		31,703
Top 20 Percentage of U.S. Total		67%	Top 20 Percentage of U.S. Total		58%
21	PIONEER NATURAL RESOURCES USA	33	21	KERR MCGEE O&G CORP	463
22	EL PASO PRODUCTION CO	32	22	AMERADA HESS CORP	455
23	OCEAN ENERGY INC	32	23	NEWFIELD EXPLORATION CO	449
24	AGIP PETROLEUM CO INC	31	24	BARRETT RESOURCES CORP	427
25	NEWFIELD EXPLORATION CO	23	25	SAMSON RESOURCES CO	421
26	VINTAGE PETROLEUM INC	23	26	PIONEER NATURAL RESOURCES USA	395
27	CITATION OIL & GAS CORP	21	27	MITCHELL ENERGY CORP	393
28	HUNT OIL CO	21	28	LOUIS DREYFUS NATURAL GAS CORP	386
29	SAMEDAN OIL CORP	19	29	DOMINION EXPLORATION & PRODUCTION	383
30	FOREST OIL CORP	18	30	SAMEDAN OIL CORP	350
31	DENBURY RESOURCES INC	18	31	MERIT ENERGY CO	337
32	ARGUELLO INC	18	32	EQUITABLE PRODUCTION CO	309
33	PURE RESOURCES INC	17	33	FOREST OIL CORP	295
34	STONE ENERGY CORPORATION	16	34	WALTER OIL & GAS CORP	294
35	MERIDIAN RESOURCE CORP	16	35	STONE ENERGY CORPORATION	273
36	CROSS TIMBERS OPERATING CO	16	36	THE HOUSTON EXPLORATION CO	264
37	STOCKER RESOURCES INC	15	37	HS RESOURCES INC	254
38	BERRY PETROLEUM CO	15	38	AEC OIL & GAS (USA) INC	235
39	SENECA RESOURCES CORP	14	39	PURE RESOURCES INC	232
40	ENCORE OPERATING LP	13	40	CABOT OIL & GAS CORP	228
41	WESTPORT OIL & GAS CO INC	13	41	TOTAL FINA ELF S.A.	222
42	COHO RESOURCES INC	12	42	TOM BROWN INC	202
43	PRIZE OPERATING CO	12	43	KAISER - FRANCIS OIL CO	192
44	MARINER ENERGY INC	12	44	HELMERICH & PAYNE INC	183
45	HS RESOURCES INC	12	45	QUESTAR EXPLORATION AND PRODUCTION	183
46	DOMINION EXPLORATION & PRODUCTION	11	46	HUNT OIL CO	180
47	HOWELL PETROLEUM CORP	11	47	VINTAGE PETROLEUM INC	176
48	CONTINENTAL RESOURCES INC	11	48	MURPHY EXPLORATION & PRODUCTION CO	168
49	NEXEN ENERGY INC	11	49	COMSTOCK OIL & GAS INC	166
50	SWIFT ENERGY CO	11	50	MERIDIAN RESOURCE CORP	158
Top 50 Volume Subtotal		4,366	Top 50 Volume Subtotal		40,375
Top 50 Percentage of U.S. Total		76%	Top 50 Percentage of U.S. Total		73%

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