

Top 100 Oil and Gas Fields for 2001

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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. 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 2001

The top 100 oil fields in the United States as of December 31, 2001, had 15,382 million barrels of **proved reserves** accounting for 69 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 2001 there are four fields, Mississippi Canyon Block 778 (Thunder Horse), Mississippi Canyon Block 807 (Mars), Green Canyon Block 644 (Holstein), and Mississippi Canyon Block 810 (Ursa) 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, 2001, had 1,030 million barrels of **production**, or 54 percent of the total (**Table 6 and Table 14**). Many of the oil fields in the top 100 are very old. The oldest reported field to EIA, Coalinga in California, was discovered in 1887. The newest reported field was Mississippi Canyon Block 778 in the Gulf of Mexico Federal Offshore. 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 2001

The top 100 gas fields in the United States as of December 31, 2001, had 92,354 billion cubic feet of wet natural gas **proved reserves**, or 48 percent of the total (**Table 9**).

The top 100 gas fields in the United States as of December 31, 2001, had 6,965 billion cubic feet of **production**, or 32 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 2001 Operated Production Data

Table B3 lists the top U.S. oil and gas operators ranked by reported 2001 operated production data.

Table B1. Top 100 U.S. Fields Ranked by Oil^a Proved Reserves from Reported 2001 Field Level Data
(Million Barrels of 42 U.S. Gallons)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	2001 Reported Production Volume
1 PRUDHOE BAY	AK	1967	1-10	167.2
2 MISSISSIPPI CANYON BLK 778	FG	1999	1-10	0.0
3 KUPARUK RIVER	AK	1969	1-10	68.4
4 BELRIDGE SOUTH	CA	1911	1-10	38.9
5 MIDWAY-SUNSET	CA	1901	1-10	51.8
6 WASSON	TX	1937	1-10	26.3
7 YATES	TX	1926	1-10	8.1
8 KERN RIVER	CA	1899	1-10	40.6
9 ELK HILLS	CA	1919	1-10	30.3
10 MISSISSIPPI CANYON BLK 807	FG	1989	1-10	58.4
Top 10 Volume Subtotal			7,611.4	490.0
Top 10 Percentage of U.S. Total			31.9%	23.0%
11 ALPINE	AK	1994	11-20	31.2
12 MILNE POINT	AK	1982	11-20	19.6
13 SPRABERRY TREND AREA	TX	1952	11-20	17.6
14 SLAUGHTER	TX	1937	11-20	14.8
15 HONDO	FP	1969	11-20	10.0
16 GREEN CANYON BLK 644	FG	1999	11-20	0.0
17 CYMRIC	CA	1916	11-20	21.4
18 LEVELLAND	TX	1945	11-20	9.4
19 ENDICOTT	AK	1978	11-20	9.7
20 MISSISSIPPI CANYON BLK 810	FG	1996	11-20	38.7
Top 20 Volume Subtotal			10,050.4	662.2
Top 20 Percentage of U.S. Total			42.2%	31.1%
21 LOST HILLS	CA	1953	21-50	10.9
22 PESCADO	FP	1970	21-50	5.8
23 NORTHSTAR	AK	1984	21-50	1.7
24 WILMINGTON	CA	1935	21-50	15.3
25 COWDEN NORTH	TX	1930	21-50	8.3
26 HOBBS	NM	1928	21-50	3.0
27 SAN ARDO	CA	1947	21-50	4.7
28 MISSISSIPPI CANYON BLK 127	FG	2000	21-50	0.0
29 CEDAR HILLS	ND & MT & SD	1954	21-50	3.4
30 SHO-VEL-TUM	OK	1905	21-50	6.2
31 POINT MCINTYRE	AK	1988	21-50	19.0
32 VACUUM	NM	1973	21-50	7.4
33 KELLY-SNYDER	TX	1948	21-50	3.4
34 WATTENBERG	CO	1970	21-50	6.2
35 ALAMINOS CANYON BLK 25	FG	1997	21-50	8.6
36 VENTURA	CA	1916	21-50	4.5
37 GREATER ANETH	UT	1956	21-50	3.6
38 GREEN CANYON BLK 338	FG	2001	21-50	0.0
39 COALINGA	CA	1887	21-50	7.2
40 MCELROY	TX	1926	21-50	5.5
41 RANGELY	CO	1902	21-50	5.7
42 INGLEWOOD	CA	1924	21-50	2.5
43 HAWKINS	TX	1940	21-50	3.6
44 MONUMENT BUTTE	UT	1964	21-50	1.9
45 VIOSCA KNOLL BLK 990	FG	1981	21-50	10.2
46 MISSISSIPPI CANYON BLK 383	FG	1987	21-50	0.0
47 GREEN CANYON BLK 158	FG	1992	21-50	5.0
48 FULLERTON	TX	1971	21-50	4.8
49 GOLDSMITH	TX	1935	21-50	4.1
50 ROBERTSON NORTH	TX	1956	21-50	3.5
Top 50 Volume Subtotal			13,059.4	828.0
Top 50 Percentage of U.S. Total			54.8%	38.9%

Table B1. Top 100 U.S. Fields Ranked by Oil^a Proved Reserves from Reported 2001 Field Level Data (Continued)
(Million Barrels of 42 U.S. Gallons)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	2001 Reported Production Volume	
51	VIOSCA KNOLL BLK 786	FG	1996	51-100	17.7
52	GREEN CANYON BLK 244	FG	1994	51-100	27.2
53	POLARIS	AK	1998	51-100	0.5
54	SACATE	FP	1970	51-100	3.0
55	ARROYO GRANDE	CA	1906	51-100	0.7
56	SALT CREEK	TX	1950	51-100	5.5
57	MISSISSIPPI CANYON BLK 773	FG	2000	51-100	0.0
58	WEST SAK	AK	1969	51-100	2.0
59	JAY	AL & FL	1970	51-100	3.7
60	REDOUBT SHOAL	AK	1968	51-100	0.0
61	SEMINOLE	TX	1936	51-100	9.5
62	MONUMENT	NM	1999	51-100	2.7
63	PENNEL	MT	1955	51-100	2.0
64	MISSISSIPPI CANYON BLK 899	FG	1998	51-100	0.0
65	GREEN CANYON BLK 205	FG	1988	51-100	18.5
66	MEANS	TX	1934	51-100	3.8
67	GIDDINGS	TX	1973	51-100	11.0
68	BEVERLY HILLS	CA	1965	51-100	1.3
69	MISSISSIPPI CANYON BLK 582	FG	2000	51-100	0.0
70	WEST DELTA BLK 30	FG	1949	51-100	5.0
71	MISSISSIPPI CANYON BLK 84	FG	1993	51-100	0.0
72	JO-MILL	TX	1954	51-100	2.4
73	CEDAR LAKE	TX	1939	51-100	2.5
74	MISSISSIPPI CANYON BLK 935	FG	1994	51-100	8.1
75	ANTON-IRISH	TX	1944	51-100	3.9
76	TARN	AK	1991	51-100	8.1
77	EUGENE ISLAND SA BLK 330	FG	1971	51-100	9.7
78	HOWARD-GLASSCOCK	TX	1925	51-100	3.2
79	BELRIDGE NORTH	CA	1912	51-100	3.0
80	EAST BREAKS BLK 602	FG	1999	51-100	0.0
81	BOREALIS	AK	2001	51-100	0.2
82	WESTBROOK	TX	1920	51-100	1.2
83	EWING BANK BLK 873	FG	1991	51-100	10.2
84	KERN FRONT	CA	1925	51-100	1.2
85	GOLDEN TREND	OK	1947	51-100	2.0
86	EUNICE MONUMENT	NM	1929	51-100	1.1
87	GARDEN BANKS BLK 559	FG	1999	51-100	0.7
88	GREEN CANYON BLK 6	FG	1985	51-100	0.0
89	LOOKOUT BUTTE EAST	MT	1986	51-100	1.2
90	ALTAMONT-BLUEBELL	UT	1949	51-100	2.9
91	GARDEN BANKS BLK 668	FG	2000	51-100	0.0
92	WASSON 72	TX	1940	51-100	1.5
93	DOLLARHIDE	NM & TX	1945	51-100	3.0
94	NIAKUK	AK	1984	51-100	7.2
95	MAIN PASS BLK 61	LA	2000	51-100	0.0
96	SOUTH PASS EA BLK 62	FG	1974	51-100	2.5
97	GARDEN BANKS BLK 215	FG	1995	51-100	7.9
98	BREA-OLINDA	CA	1897	51-100	1.0
99	AURORA	AK	1999	51-100	1.8
100	ELWOOD SOUTH OFFSHORE	CA	1966	51-100	1.2
Top 100 Volume Subtotal			15,381.6	1,029.8	
Top 100 Percentage of U.S. Total			64.5%	48.3%	

^aIncludes lease condensate.

Notes: The U.S. total production estimate of 2,130 million barrels and the U.S. total reserves estimate of 23,844 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 2001 Field Level Data
(Billion Cubic Feet)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	2001 Reported Production Volume
1 BLANCO / IGNACIO-BLANCO	NM & CO	1927	1-10	812.0
2 BASIN	NM	1947	1-10	616.9
3 PRUDHOE BAY	AK	1967	1-10	192.0
4 HUGOTON GAS AREA	KS & OK & TX	1922	1-10	383.1
5 MADDEN	WY	1968	1-10	92.0
6 WATTENBERG	CO	1970	1-10	143.1
7 CARTHAGE	TX	1944	1-10	203.0
8 JONAH	WY	1977	1-10	176.5
9 RATON BASIN GAS AREA	CO & NM	1999	1-10	40.4
10 NEWARK EAST	TX	1981	1-10	114.0
Top 10 Volume Subtotal			41,920.0	2,772.9
Top 10 Percentage of U.S. Total			21.9%	13.4%
11 PRB COALBED	WY	1999	11-20	224.0
12 NATURAL BUTTES	UT	1952	11-20	76.3
13 PINEDALE	WY	1955	11-20	8.4
14 MOBILE BAY FIELDS	AL	1979	11-20	133.8
15 FOGARTY CREEK	WY	1975	11-20	32.1
16 DRUNKARDS WASH	UT	1989	11-20	71.4
17 BIG SANDY	KY & WV	1881	11-20	37.9
18 OAKWOOD	VA	1990	11-20	49.4
19 PANHANDLE WEST	TX	1918	11-20	96.3
20 ANTRIM	MI	1965	11-20	68.4
Top 20 Volume Subtotal			56,074.3	3,570.9
Top 20 Percentage of U.S. Total			29.2%	17.3%
21 SPRABERRY TREND AREA	TX	1952	21-50	64.3
22 MISSISSIPPI CANYON BLK 778	FG	1999	21-50	0.0
23 RED OAK-NORRIS	OK	1910	21-50	63.1
24 ELK HILLS	CA	1919	21-50	166.7
25 VERNON	LA	1967	21-50	16.2
26 SAWYER	TX	1975	21-50	48.4
27 LAKE RIDGE	WY	1981	21-50	16.6
28 GOMEZ	TX	1977	21-50	55.9
29 OAK HILL	TX	1980	21-50	67.1
30 COOK INLET NORTH	AK	1962	21-50	54.3
31 BELUGA RIVER	AK	1962	21-50	41.6
32 MONTE CHRISTO NORTH	TX	1982	21-50	74.1
33 GRAND VALLEY	CO	1985	21-50	29.4
34 RULISON	CO	1958	21-50	30.5
35 STRONG CITY DISTRICT	OK	1966	21-50	65.9
36 MISSISSIPPI CANYON BLK 810	FG	1996	21-50	62.2
37 MOCANE-LAVERNE GAS AREA	KS & OK & TX	1947	21-50	69.2
38 VIOSCA KNOLL BLK 956	FG	1985	21-50	91.4
39 WHITNEY CANYON-CARTER CRK	WY	1978	21-50	71.5
40 DEW	TX	1982	21-50	68.4
41 GOLDEN TREND	OK	1947	21-50	44.4
42 PANOMA GAS AREA	KS	1956	21-50	55.3
43 KINTA	OK	1926	21-50	33.4
44 GIDDINGS	TX	1973	21-50	152.5
45 WATONGA-CHICKASHA TREND	OK	1962	21-50	50.8
46 EAST BREAKS BLK 945	FG	1994	21-50	72.7
47 FREESTONE	TX	1949	21-50	25.7
48 EAST BREAKS BLK 602	FG	1999	21-50	0.0
49 LOWER MOBILE BAY-MARY ANN	AL	1979	21-50	28.1
50 MOBILE BLK 823	FG	1983	21-50	58.5
Top 50 Volume Subtotal			76,543.2	5,249.2
Top 50 Percentage of U.S. Total			39.9%	25.4%

Table B2. Top 100 U.S. Fields Ranked by Gas^a Proved Reserves, from Reported 2001 Field Level Data (Continued)
(Billion Cubic Feet)

Field Name	Location	Discovery Year	Proved Reserves Rank Group	2001 Reported Production Volume
51 MISSISSIPPI CANYON BLK 807	FG	1989	51-100	68.8
52 NORA	VA	1949	51-100	23.9
53 WASSON	TX	1973	51-100	20.7
54 BRUFF	WY	1969	51-100	40.9
55 MESA UNIT	WY	1981	51-100	9.5
56 WAMSUTTER	WY	1958	51-100	27.3
57 MAMM CREEK	CO	1959	51-100	22.0
58 WILBURTON	OK	1960	51-100	81.9
59 ELK CITY	OK	1947	51-100	63.0
60 DOWDY RANCH	TX	1999	51-100	23.2
61 BLUE CREEK COAL DEGAS	AL	1988	51-100	19.2
62 PARACHUTE	CO	1985	51-100	9.2
63 STRATTON	TX	1981	51-100	21.3
64 GRAND ISLE SA BLK 116	FG	1999	51-100	60.7
65 BOB WEST	TX	1990	51-100	37.5
66 BALD PRAIRIE	TX	1976	51-100	12.7
67 BELRIDGE SOUTH	CA	1911	51-100	19.5
68 ECHO SPRINGS	WY	1977	51-100	29.8
69 MIMMS CREEK	TX	1978	51-100	24.5
70 LA PERLA	TX	1958	51-100	76.6
71 MISSISSIPPI CANYON BLK 731	FG	1987	51-100	75.0
72 OZONA	TX	1971	51-100	22.7
73 MCALLEN RANCH	TX	1986	51-100	60.9
74 KUPARUK RIVER	AK	1969	51-100	26.1
75 VIOSCA KNOLL BLK 915	FG	1993	51-100	68.3
76 WILD ROSE	WY	1975	51-100	21.7
77 INDIAN BASIN	NM	1971	51-100	130.6
78 VERDEN	OK	1948	51-100	30.4
79 DOUBLE A WELLS	TX	1980	51-100	33.3
80 GARDEN BANKS BLK 668	FG	2000	51-100	0.0
81 GARDEN BANKS BLK 877	FG	2001	51-100	0.0
82 WILLOW SPRINGS	TX	1954	51-100	29.0
83 STANDARD DRAW	WY	1979	51-100	25.4
84 MATAGORDA ISLAND BLK 623	FG	1980	51-100	71.3
85 VAQUILLAS RANCH	TX	1978	51-100	56.9
86 WONSITS VALLEY	UT	1965	51-100	13.2
87 BLANCO SOUTH	NM	1952	51-100	16.7
88 FAIRWAY	AL	1986	51-100	28.1
89 CEMENT	OK	1917	51-100	29.5
90 JUDGE DIGBY	LA	1977	51-100	70.2
91 DESOTO CANYON BLK 133	FG	1993	51-100	0.0
92 RIO VISTA	CA	1936	51-100	17.4
93 KNOX	OK	1916	51-100	53.2
94 MAYFIELD NE	OK	1951	51-100	28.9
95 BLOCK 16	TX	1969	51-100	30.6
96 A W P	TX	1981	51-100	16.2
97 CEDAR COVE COAL DEGAS	AL	1983	51-100	18.7
98 CEDARDALE NE	OK	1957	51-100	19.6
99 TABLE ROCK	WY	1946	51-100	9.5
100 KENAI	AK	1959	51-100	20.0
Top 100 Volume Subtotal			92,354.1	6,964.9
Top 100 Percentage of U.S. Total			48.2%	33.7%

^aTotal wet gas after lease separation.

Note: The U.S. total production estimate of 20,642 billion cubic feet and the U.S. total reserves estimate of 191,743 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 2001 Operated Production Data

Crude Oil Production			Total Natural Gas Production		
Rank	Company Name	(thousand barrels/day)	Rank	Company Name	(million cubic feet/day)
1	BP AMOCO PLC	854	1	BP AMOCO PLC	5,362
2	CHEVRONTEXACO INC.	649	2	CHEVRONTEXACO INC.	3,403
3	SHELL OIL CO	463	3	EXXON-MOBIL CORPORATION	3,385
4	PHILLIPS PETROLEUM CO	330	4	SHELL OIL CO	2,388
5	EXXON-MOBIL CORPORATION	305	5	BURLINGTON RESOURCES OIL & GAS CO	2,114
6	OCCIDENTAL PETROLEUM CORPORATION	290	6	EL PASO ENERGY	2,040
7	AERA ENERGY LLC	236	7	ANADARKO PETROLEUM CORP	1,944
8	AMERADA HESS CORP	125	8	UNOCAL CORPORATION	1,629
9	MARATHON OIL CO	108	9	DEVON ENERGY CORP	1,605
10	ANADARKO PETROLEUM CORP	106	10	PHILLIPS PETROLEUM CO	1,535
Top 10 Volume Subtotal		3,466	Top 10 Volume Subtotal		25,405
Top 10 Percentage of U.S. Total		59%	Top 10 Percentage of U.S. Total		45%
11	UNOCAL CORPORATION	98	11	CONOCO INC.	984
12	DEVON ENERGY CORP	76	12	DOMINION RESOURCES INC.	947
13	APACHE CORP	68	13	EOG RESOURCES INC	932
14	KERR MCGEE OIL & GAS CORPORATION	60	14	APACHE CORP	927
15	NUEVO ENERGY CO	48	15	OCCIDENTAL PETROLEUM CORPORATION	912
16	EL PASO ENERGY	38	16	MARATHON OIL CO	910
17	CITY OF LONG BEACH	35	17	KERR MCGEE OIL & GAS CORPORATION	728
18	BURLINGTON RESOURCES OIL & GAS CO	32	18	AMERADA HESS CORP	710
19	PIONEER NATURAL RESOURCES USA	31	19	WILLIAMS ENERGY INC	666
20	OCEAN ENERGY INC	30	20	XTO ENERGY INC	614
Top 20 Volume Subtotal		3,982	Top 20 Volume Subtotal		33,735
Top 20 Percentage of U.S. Total		68%	Top 20 Percentage of U.S. Total		60%
21	CONOCO INC	29	21	NEWFIELD EXPLORATION COMPANY	564
22	WESTPORT RESOURCES CORPORATION	29	22	OCEAN ENERGY INC	561
23	VINTAGE PETROLEUM INC	28	23	CHESAPEAKE ENERGY CORP	534
24	EOG RESOURCES INC	26	24	MITCHELL ENERGY & DEVELOPMENT CORP	526
25	MERIT ENERGY CO	26	25	SAMSON INVESTMENT COMPANY	392
26	NEWFIELD EXPLORATION COMPANY	25	26	PIONEER NATURAL RESOURCES USA	376
27	CITATION OIL & GAS CORP	22	27	NOBLE AFFILIATES INC	366
28	DENBURY RESOURCES INC	20	28	QUESTAR CORPORATION	363
29	DOMINION RESOURCES INC	19	29	A E C OIL & GAS (USA) INC	349
30	NOBLE AFFILIATES INC	19	30	HOUSTON EXPLORATION	312
31	ENI SPA	19	31	FOREST OIL CORP	301
32	HUNT OIL CO	18	32	WALTER OIL & GAS CORP	292
33	PLAINS RESOURCES INC	18	33	EQUITABLE RESOURCES INC	281
34	ARGUELLO INC	18	34	STONE ENERGY CORPORATION	269
35	STONE ENERGY CORPORATION	17	35	QUICKSILVER RESOURCES INC	253
36	XTO ENERGY INC	17	36	CABOT OIL & GAS CORP	251
37	NATIONAL FUEL GAS	16	37	TOTALFINAELF SA	248
38	FOREST OIL CORP	16	38	SPINNAKER EXPLORATION CO LLC	239
39	HILCORP ENERGY CO	16	39	WESTPORT RESOURCES CORPORATION	229
40	ENCORE OPERATING LP	15	40	HUNT OIL CO	228
41	BERRY PETROLEUM CO	14	41	TOM BROWN INC	225
42	MARINER ENERGY INC	14	42	HILCORP ENERGY CO	220
43	HOWELL CORPORATION	13	43	KAISER-FRANCIS OIL CO	211
44	COHO RESOURCES INC	13	44	YATES PETROLEUM CORP	202
45	WALTER OIL & GAS CORP	13	45	VINTAGE PETROLEUM INC	191
46	POGO PRODUCING CO	12	46	POGO PRODUCING CO	179
47	PRIZE OPERATING CO	12	47	DENBURY RESOURCES INC	178
48	SWIFT ENERGY CO	11	48	HELMERICH & PAYNE INC	171
49	CONTINENTAL RESOURCES INC	11	49	MURPHY OIL CORPORATION	150
50	CHESAPEAKE ENERGY CORP	11	50	NEXEN ENERGY INC	149
Top 50 Volume Subtotal		4,519	Top 50 Volume Subtotal		42,545
Top 50 Percentage of U.S. Total		77%	Top 50 Percentage of U.S. Total		75%

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