

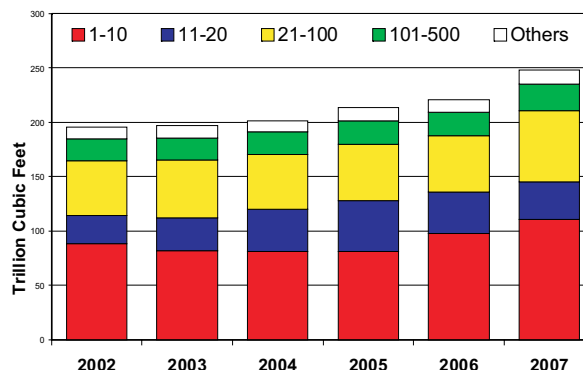
Operator Level Data

This appendix provides a series of tables of the proved reserves and production by production size class for the years 2002 through 2007 for crude oil and natural gas well operators. These tables show the volumetric change and percent change by production size class from the previous year and from 2002. In addition they show the 2007 average per operator in each class. All companies that reported to EIA on Form EIA-23 were ranked by production size for each of the 6 years. We computed company production size classes as the sum of the barrel oil equivalent of the crude oil production, lease condensate production, and wet gas production for each operator. The companies were then placed in the following production size classes: 1-10, 11-20, 21-100, 101-500, and all "other" oil and gas operators. The "other" category of operator contains 13,274 small operators. We estimated production and reserves for small operators for 2007 from a sample of approximately 4 percent. Class 1-10 contains the 10 highest producing companies during each year on a barrel oil equivalent (BOE) basis. These companies may not necessarily be the same 10 companies each year. The total natural gas production and proved reserves are reported in Table 9 of this report. The total crude oil production and proved reserves are reported in Table 6 of this report.

Natural Gas Proved Reserves

The wet natural gas proved reserves reported for 2002 through 2007 have changed from 195,561 billion cubic feet to 247,789 billion cubic feet or 27 percent (Table A1). These proved reserves continue to be concentrated in the larger companies. In 2007, the top 20 operators (Class 1-10 and Class 11-20) producing companies had 58 percent of the proved reserves of natural gas in the United States. The next two size classes contain 80 and 400 companies and accounted for 27 and 10 percent of the U.S. natural gas proved reserves, respectively. The top 20 operators had an increase of 27 percent in their natural gas proved reserves from 2002 to 2007. The rest of the operators in (Class 21-100, Class 101-500, and Class Other) had an increase of 28 percent in their reserves in the same time period. In 2007, the top 20 operators' natural gas reserves had an increase of 7 percent from 2006.

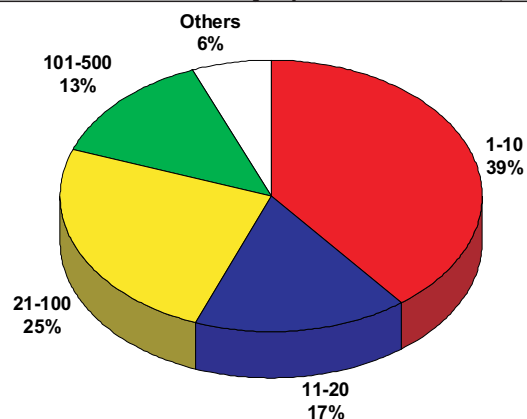
Wet Natural Gas Reserves by Operator Size Class, 2002-2007



Natural Gas Production

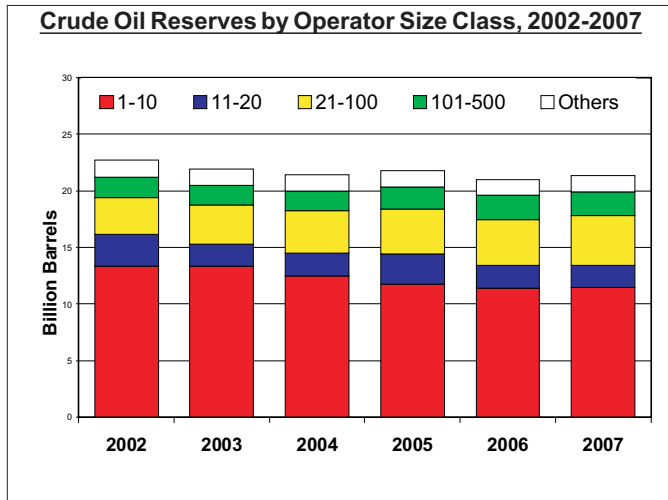
Wet natural gas production has increased from 19,373 billion cubic feet in 2006 to 20,318 billion cubic feet in 2007 or 5 percent (Table A2). In 2007, the top 20 producing companies had 56 percent of the production of wet natural gas in the United States. The next two size classes have 25 percent and 13 percent of the wet natural gas production, respectively. The top 20 operators had a decrease of 4 percent in wet natural gas production from 2002 to 2007. The rest of the operators had an increase of 7 percent from 2002 to 2007.

Natural Gas Production by Operator Size Class, 2007



Crude Oil Proved Reserves

The crude oil proved reserves reported by Operator Production Size Class 1-10 for 2002 through 2007 have changed from 13,346 million barrels to 11,437 million barrels or a decrease of 14 percent (**Table A3**). The 10 largest producing companies in 2007 had 54 percent of U.S. proved reserves of crude oil. The 20 largest oil and gas producing companies in 2007 had 63 percent of proved reserves of crude oil. Proved reserves of crude oil in the United States increased 1 percent in 2007 from 2006.



Crude Oil and Natural Gas Fields

The number of fields in the United States in which Category I and Category II operators were active increased during the 2002-2007 period (**Table A5**). From 2002-2007, the number of fields in which the top 20 operators were active increased by 1,230 fields (21 percent) while in 2007 the number increased by 38 fields from 2006. We also include statistics for operator Category sizes at the bottom portion of tables in this appendix. These are the categories used by EIA in processing and assessing reserves surveys and are presented here as additional perspective. For further explanation of categories sizes see definitions and descriptions in Appendix E.

Ranked Crude Oil and Natural Gas Production

Table A6 lists the top U.S. oil and gas operators ranked by reported 2007 operated production data. About 75 percent of the production of crude oil or natural gas is reported by the top 50 operators.

Crude Oil Production

Crude oil production reported for 2006 to 2007 has increased from 1,652 million barrels to 1,691 million barrels or 2 percent (**Table A4**). The 20 largest oil and gas producing companies had 59 percent of U.S. production of crude oil in the United States in 2007. In 2002 they accounted for 68 percent of production.

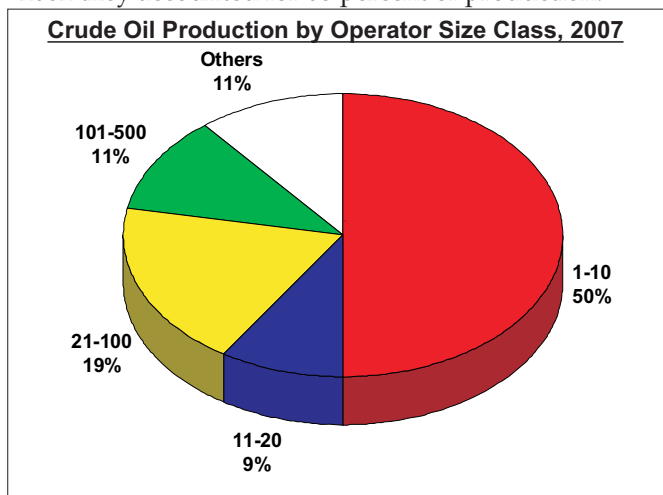


Table A1. Natural Gas Proved Reserves, Wet After Lease Separation, by Operator Production Size Class, 2002–2007

(billion cubic feet at 14.73 pisa and 60° Fahrenheit)

Size Class	2002	2003	2004	2005	2006	2007	2006–2007 Volume and Percent Change	2002–2007 Volume and Percent Change	2007 Average Reserves per Operator
Class 1-10	88,100	82,222	81,325	80,785	97,372	110,559	13,187	22,460	11,055.924
Percent of Total	45.0%	41.7%	40.4%	37.9%	44.2%	44.6%	13.5%	25.5%	
Class 11-20	25,938	29,890	38,643	47,078	38,134	34,331	-3,803	8,393	3,433.131
Percent of Total	13.3%	15.2%	19.2%	22.1%	17.3%	13.9%	-10.0%	32.4%	
Class 21-100	50,633	53,098	50,149	52,061	52,064	65,795	13,731	15,162	822.435
Percent of Total	25.9%	26.9%	24.9%	24.4%	23.6%	26.6%	26.4%	29.9%	
Class 101-500	19,723	20,030	20,912	21,737	21,877	24,591	2,714	4,868	61.478
Percent of Total	10.1%	10.2%	10.4%	10.2%	9.9%	9.9%	12.4%	24.7%	
Class Other (13,274)	11,167	11,905	10,170	11,647	10,968	12,512	1,544	1,345	0.943
Percent of Total	5.7%	6.0%	5.1%	5.5%	5.0%	5.0%	14.1%	12.0%	
Category I (158)	173,325	173,225	178,269	189,644	182,133	206,699	24,566	33,374	1,324.994
Percent of Total	88.6%	87.9%	88.6%	88.9%	82.6%	83.4%	13.5%	19.3%	
Category II (510)	11,051	11,983	12,494	11,838	27,294	28,365	1,071	17,314	57.073
Percent of Total	5.7%	6.1%	6.2%	5.5%	12.4%	11.4%	3.9%	156.7%	
Category III (13,121)	11,184	11,937	10,437	11,826	10,989	12,725	1,736	1,540	0.970
Percent of Total	5.7%	6.1%	5.2%	5.5%	5.0%	5.1%	15.8%	13.8%	
Total Published	195,561	197,145	201,200	213,308	220,416	247,789	27,373	52,228	17.990

Note: There were 13,121 active Category III operators in the 2007 sample frame. The reserves and production of Category III operators were estimated from an adjusted sample of 727 Category III operators (Table E2). The "other" size class represents 13,274 operators in the 2007 frame (13,774 active operators minus the 500 largest operators).

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

Table A2. Natural Gas Production, Wet After Lease Separation, by Operator Production Size Class, 2002–2007
(billion cubic feet at 14.73 pia and 60° Fahrenheit)

Size Class	2002	2003	2004	2005	2006	2007	2006–2007 Volume and Percent Change	2002–2007 Volume and Percent Change	2007 Average Production per Operator
Class 1-10	8,996	8,220	7,617	7,068	7,956	7,997	41	-999	799.714
Percent of Total	44.4%	40.6%	38.1%	36.7%	41.1%	39.4%	0.5%	-11.1%	
Class 11-20	2,854	3,136	3,647	3,534	3,078	3,362	284	508	336.218
Percent of Total	14.1%	15.5%	18.2%	18.4%	15.9%	16.5%	9.2%	17.8%	
Class 21-100	4,763	5,275	4,982	4,832	4,492	5,020	528	257	62.749
Percent of Total	23.5%	26.1%	24.9%	25.1%	23.2%	24.7%	11.7%	5.4%	
Class 101-500	2,475	2,386	2,559	2,506	2,605	2,692	87	217	6.730
Percent of Total	12.2%	11.8%	12.8%	13.0%	13.4%	13.2%	3.3%	8.8%	
Class Other (13,274)	1,161	1,215	1,213	1,318	1,241	1,247	6	86	0.094
Percent of Total	5.7%	6.0%	6.1%	6.8%	6.4%	6.1%	0.5%	7.4%	
Category I (158)	17,335	17,347	17,036	16,311	15,092	15,923	831	-1,412	102.071
Percent of Total	85.6%	85.7%	85.1%	84.7%	77.9%	78.4%	5.5%	-8.1%	
Category II (510)	1,738	1,648	1,718	1,605	3,026	3,129	103	1,391	6.295
Percent of Total	8.6%	8.1%	8.6%	8.3%	15.6%	15.4%	3.4%	80.0%	
Category III (13,121)	1,176	1,236	1,263	1,342	1,255	1,266	11	91	0.096
Percent of Total	5.8%	6.1%	6.3%	7.0%	6.5%	6.2%	0.9%	7.7%	
Total Published	20,248	20,231	20,017	19,259	19,373	20,318	945	70	1.475
Percent of Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	4.9%	0.3%	

Note: There were 13,121 active Category III operators in the 2007 sample frame. The reserves and production of Category III operators were estimated from an adjusted sample of 727 Category III operators (Table E2). The "other" size class represents 13,274 operators in the 2007 frame (13,774 active operators minus the 500 largest operators).

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

Table A3. Crude Oil Proved Reserves by Operator Production Size Class, 2002–2007
(million barrels of 42 U.S. gallons)

Size Class	2002	2003	2004	2005	2006	2007	2006–2007 Volume and Percent Change	2002–2007 Volume and Percent Change	2007 Average Reserves per Operator
Class 1-10	13,346	13,355	12,454	11,775	11,352	11,437	85	-1,908	1,143.711
Percent of Total	58.9%	61.0%	58.3%	54.1%	54.1%	53.7%	0.8%	-14.3%	
Class 11-20	2,817	1,907	2,053	2,659	2,048	1,933	-115	-884	193.274
Percent of Total	12.4%	8.7%	9.6%	12.2%	9.8%	9.1%	-5.6%	-31.4%	
Class 21-100	3,230	3,483	3,711	3,915	4,066	4,412	346	1,182	55.155
Percent of Total	14.2%	15.9%	17.4%	18.0%	19.4%	20.7%	8.5%	36.6%	
Class 101-500	1,817	1,705	1,761	1,969	2,111	2,136	25	320	5.340
Percent of Total	8.0%	7.8%	8.2%	9.1%	10.1%	10.0%	1.2%	17.6%	
Class Other (13,274)	1,468	1,440	1,393	1,439	1,395	1,399	3	-69	0.105
Percent of Total	6.5%	6.6%	6.5%	6.6%	6.7%	6.6%	0.2%	-4.7%	
Category I (158)	20,213	19,499	19,055	19,348	17,927	18,244	317	-1,969	116.948
Percent of Total	89.1%	89.1%	89.2%	88.9%	85.5%	85.6%	1.8%	-9.7%	
Category II (510)	992	937	906	954	1,642	1,658	16	666	3.337
Percent of Total	4.4%	4.3%	4.2%	4.4%	7.8%	7.8%	1.0%	67.1%	
Category III (13,121)	1,472	1,456	1,410	1,456	1,403	1,415	12	-57	0.108
Percent of Total	6.5%	6.6%	6.6%	6.7%	6.7%	6.6%	0.9%	-3.9%	
Total Published	22,677	21,891	21,371	21,757	20,972	21,317	345	-1,360	1.548
Percent of Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1.6%	-6.0%	

Note: There were 13,121 active Category III operators in the 2007 sample frame. The reserves and production of Category III operators were estimated from an adjusted sample of 727 Category III operators (Table E2). The "other" size class represents 13,274 operators in the 2007 frame (13,774 active operators minus the 500 largest operators).

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

Table A4. Crude Oil Production by Operator Production Size Class, 2002–2007
(million barrels of 42 U.S. gallons)

Size Class	2002	2003	2004	2005	2006	2007	2006–2007 Volume and Percent Change	2002–2007 Volume and Percent Change	2007 Average Production per Operator
Class 1-10	1,037	1,047	986	912	820	846	25	-191	84.589
Percent of Total	55.3%	55.8%	54.2%	52.6%	49.7%	50.0%	3.1%	-18.4%	
Class 11-20	233	205	180	178	170	157	-13	-76	15.691
Percent of Total	12.4%	10.9%	9.9%	10.3%	10.3%	9.3%	-7.8%	-32.7%	
Class 21-100	240	272	303	293	309	318	9	78	3.979
Percent of Total	12.8%	14.5%	16.6%	16.9%	18.7%	18.8%	2.9%	32.6%	
Class 101-500	181	178	172	178	173	187	14	6	0.467
Percent of Total	9.7%	9.5%	9.5%	10.3%	10.5%	11.1%	8.0%	3.2%	
Class Other (13,274)	184	175	178	173	179	183	4	-1	0.014
Percent of Total	9.8%	9.3%	9.8%	10.0%	10.8%	10.8%	2.2%	-0.4%	
Category I (158)	1,573	1,574	1,534	1,451	1,314	1,346	33	-227	8.631
Percent of Total	83.9%	83.9%	84.3%	83.7%	79.5%	79.6%	2.5%	-14.4%	
Category II (510)	115	124	105	105	157	159	2	44	0.320
Percent of Total	6.1%	6.6%	5.8%	6.1%	9.5%	9.4%	1.2%	37.9%	
Category III (13,121)	187	179	180	176	181	186	4	-1	0.014
Percent of Total	10.0%	9.5%	9.9%	10.2%	11.0%	11.0%	2.4%	-0.6%	
Total Published	1,875	1,877	1,819	1,733	1,652	1,691	39	-184	0.123
Percent of Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	2.4%	-9.8%	

Note: There were 13,121 active Category III operators in the 2007 sample frame. The reserves and production of Category III operators were estimated from an adjusted sample of 727 Category III operators (Table E2). The "other" size class represents 13,274 operators in the 2007 frame (13,774 active operators minus the 500 largest operators).

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

Table A5. Operator Field Count by Operator Production Size Class, 2002–2007

Size Class	2002	2003	2004	2005	2006	2007	2006–2007 Number and Percent Change	2002–2007 Number and Percent Change	2007 Average Number of Fields per Operator
Class 1-10	3,596	3,689	3,409	3,738	4,667	4,535	-132	939	453.500
Percent of Total	12.9%	13.2%	12.4%	13.2%	16.4%	15.5%	-2.8%	26.1%	
Class 11-20	2,392	2,492	3,352	2,488	2,513	2,683	170	291	268.300
Percent of Total	8.6%	8.9%	12.2%	8.8%	8.8%	9.2%	6.8%	12.2%	
Class 21-100	7,947	8,168	8,071	9,196	8,433	8,890	457	943	111.125
Percent of Total	28.4%	29.3%	29.4%	32.6%	29.6%	30.4%	5.4%	11.9%	
Class 101-500	12,661	11,859	10,698	10,845	11,219	11,495	276	-1,166	28.738
Percent of Total	45.3%	42.5%	39.0%	38.4%	39.4%	39.3%	2.5%	-9.2%	
Rest	1,349	1,709	1,929	1,952	1,662	1,610	-52	261	10.523
Percent of Total	4.8%	6.1%	7.0%	6.9%	5.8%	5.5%	-3.1%	19.3%	
Category I	17,049	16,760	17,368	17,858	16,953	16,921	-32	-128	108.468
Percent of Total	61.0%	60.0%	63.3%	63.3%	59.5%	57.9%	-0.2%	-0.8%	
Category II	10,473	10,688	9,486	9,738	11,161	12,123	962	1,650	24.392
Percent of Total	37.5%	38.3%	34.5%	34.5%	39.2%	41.5%	8.6%	15.8%	
Total	27,945	27,917	27,459	28,219	28,494	29,213	719	1,268	44.737
 Percent of Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	2.5%	4.5%	

Note: Includes only data from Category I and Category II operators. In 2007 there were 156 Category I operators and 497 Category II operators. The "rest" size class had 153 operators in 2007.

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

Table A6. Top 50 U.S. Operators Ranked by Reported 2007 Operated Production Data

		Crude Oil Production			Total Natural Gas
Rank	Company Name	(thousand barrels/day)	Rank	Company Name	Production (million cubic feet/day)
1	BP PLC	654	1	CONOCOPHILLIPS CO	3,549
2	CHEVRON CORP	427	2	BP PLC	3,028
3	CONOCOPHILLIPS CO	373	3	ANADARKO PETROLEUM CORP	2,463
4	SHELL OIL CO	339	4	CHESAPEAKE ENERGY CORP	2,433
5	OCCIDENTAL PETROLEUM CORP	283	5	DEVON ENERGY CORP	2,351
6	AERA ENERGY LLC	178	6	CHEVRON CORP	1,998
7	ANADARKO PETROLEUM CORP	158	7	XTO ENERGY INC	1,890
8	EXXONMOBIL CORP	115	8	ENCANA OIL & GAS INC	1,793
9	APACHE CORP	107	9	EXXONMOBIL CORP	1,746
10	PLAINS EXPLORATION & PRODUCTION CO	62	10	SHELL OIL CO	1,663
Top 10 Volume Subtotal		2,696	Top 10 Volume Subtotal		22,914
Top 10 Percentage of U.S. Total		53%	Top 10 Percentage of U.S. Total		41%
11	KINDER MORGAN ENERGY PARTNERS	55	11	E O G RESOURCES INC	1,348
12	AMERADA HESS CORP	54	12	WILLIAMS ENERGY INC	1,192
13	NOBLE ENERGY INC	52	13	APACHE CORP	1,151
14	DEVON ENERGY CORP	52	14	EL PASO ENERGY	981
15	MARATHON OIL CORP	44	15	SAMSON RESOURCES CO	851
16	MERIT ENERGY CO	43	16	OCCIDENTAL PETROLEUM CORP	789
17	XTO ENERGY INC	42	17	DOMINION RESOURCES INC	726
18	DENBURY RESOURCES INC	39	18	NEWFIELD EXPLORATION CO	680
19	ENCORE OPERATING LP	38	19	QUESTAR CORP	659
20	CHESAPEAKE ENERGY CORP	36	20	MARATHON OIL CORP	625
Top 20 Volume Subtotal		3,151	Top 20 Volume Subtotal		31,916
Top 20 Percentage of U.S. Total		61%	Top 20 Percentage of U.S. Total		57%
21	E O G RESOURCES INC	34	21	PIONEER NATURAL RESOURCES USA INC	574
22	ENI PETROLEUM CO INC	32	22	NOBLE ENERGY INC	487
23	CONTINENTAL RESOURCES INC	31	23	FOREST OIL CORP	411
24	PIONEER NATURAL RESOURCES USA INC	31	24	MERIT ENERGY CO	404
25	CITY OF LONG BEACH	29	25	CIMAREX ENERGY CO	403
26	DOMINION RESOURCES INC	29	26	ULTRA PETROLEUM INC	386
27	CITATION OIL & GAS CORP	27	27	SANDRIDGE ENERGY	362
28	ST MARY LAND & EXPLORATION CO	25	28	EQUITABLE RESOURCES INC	324
29	ALLIANT ENERGY CORP	25	29	ENERGEN RESOURCES CORP	305
30	MURPHY OIL CORP	24	30	KCS ENERGY INC	269
31	HILCORP ENERGY CO	24	31	SEECO INC	269
32	ENERGEN RESOURCES CORP	24	32	CABOT OIL & GAS CORP	246
33	CIMAREX ENERGY CO	24	33	YATES PETROLEUM CORP	241
34	EL PASO ENERGY	23	34	BILL BARRETT CORP	237
35	NEWFIELD EXPLORATION CO	23	35	PLAINS EXPLORATION & PRODUCTION CO	236
36	BERRY PETROLEUM CO	22	36	W & T OFFSHORE INC	229
37	W & T OFFSHORE INC	20	37	HUNT OIL CO	223
38	STONE ENERGY CORP	19	38	HILCORP ENERGY CO	223
39	SWIFT ENERGY CO	19	39	EXCO RESOURCES INC	216
40	SAMSON RESOURCES CO	17	40	MCMORAN OIL & GAS LLC	214
41	SANDRIDGE ENERGY	17	41	MARINER ENERGY INC	207
42	A T P OIL & GAS CORP	17	42	J - W OPERATING CO	203
43	ENERGY XXI GOM LLC	15	43	RANGE RESOURCES CORP	199
44	ENCANA OIL & GAS INC	14	44	ST MARY LAND & EXPLORATION CO	195
45	NEXEN PETROLEUM USA INC	14	45	HUNT PETROLEUM CORP	188
46	ENERPLUS RESOURCES (USA) CORP	14	46	AMERADA HESS CORP	187
47	FOREST OIL CORP	14	47	ENI PETROLEUM CO INC	187
48	MARINER ENERGY INC	13	48	C N X GAS CO LLC	183
49	HENRY PETROLEUM LP	13	49	UNIT CORP	177
50	WALTER OIL & GAS CORP	12	50	FIDELITY EXPLORATION & PROD CO	171
Top 50 Volume Subtotal		3,796	Top 50 Volume Subtotal		40,072
Top 50 Percentage of U.S. Total		74%	Top 50 Percentage of U.S. Total		72%

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

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