

Drilling Oil and Gas Wells: 2002

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2002 Economic Census

Mining

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and 1997

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year	Com-panies ¹	All estab-lish-ments ²	All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expendi-tures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
213111, Drilling oil and gas wells 2002..	1 642	1 913	57 449	2 294 891	48 399	97 149	1 814 654	6 336 645	2 873 355	7 989 639	1 220 361
1997..	1 362	1 628	52 858	1 900 985	44 370	90 245	1 524 777	5 708 652	3 795 551	7 298 223	2 205 980

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States and Offshore Areas: 2002

[Offshore areas refer to those areas not associated with a state. States that are disclosures or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expenditures (\$1,000)
		Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
213111, Drilling oil and gas wells												
United States.....	6	1 913	404	57 449	2 294 891	48 399	97 149	1 814 654	6 336 645	2 873 355	7 989 639	1 220 361
Alabama.....	4	22	4	450	19 256	310	620	12 577	47 050	21 299	62 683	5 666
Alaska.....	4	12	7	1 649	84 205	1 497	2 914	74 894	233 722	56 716	258 339	32 099
Arkansas.....	7	22	7	1 169	44 285	998	1 940	35 304	147 695	32 327	140 623	39 399
California.....	4	62	13	1 750	71 313	1 482	3 004	58 148	182 293	66 545	210 595	38 243
Colorado.....	6	74	15	1 961	78 695	1 612	3 435	60 803	193 413	105 989	249 115	50 287
Florida.....	9	39	—	115	3 508	96	184	2 800	9 242	4 674	12 374	1 542
Illinois.....	8	36	3	168	5 604	150	285	4 660	12 520	7 556	16 923	3 153
Kansas.....	4	73	10	1 036	39 727	820	1 918	29 127	93 348	43 919	116 965	20 302
Kentucky.....	4	49	3	292	11 156	238	458	8 109	35 614	26 568	55 513	6 669
Louisiana.....	7	167	50	7 292	311 459	6 042	12 144	242 633	772 098	323 315	963 434	131 979
Michigan.....	7	41	8	429	17 036	348	687	12 408	82 558	16 043	70 732	27 869
Mississippi.....	3	48	15	2 158	77 812	1 726	3 660	61 372	204 304	81 527	252 401	33 430
Montana.....	8	26	5	591	23 224	517	1 031	19 172	62 145	35 648	81 136	16 657
New Mexico.....	4	57	22	2 772	107 222	2 305	4 900	80 689	216 536	120 792	289 635	47 693
New York.....	1	12	4	421	18 079	317	614	12 934	35 884	27 322	60 028	3 178
North Dakota.....	7	19	7	641	25 442	507	1 002	18 903	76 221	23 137	72 838	26 520
Ohio.....	5	60	7	480	17 435	380	737	11 746	38 313	18 928	52 317	4 924
Oklahoma.....	4	200	35	5 881	231 229	5 075	10 184	185 253	1 116 022	397 970	1 336 502	177 490
Pennsylvania.....	3	48	14	804	31 786	633	1 224	23 840	84 249	32 274	103 260	13 263
Texas.....	7	521	125	21 613	846 246	18 369	36 299	673 500	2 136 118	1 147 024	2 874 469	408 673
Utah.....	4	31	7	850	35 339	761	1 562	28 517	69 517	52 804	107 792	14 529
Virginia.....	1	19	4	278	12 090	226	516	8 847	34 845	14 504	44 984	4 365
West Virginia.....	3	40	10	680	25 133	566	1 170	19 970	56 921	27 839	73 290	11 470
Wyoming.....	7	78	22	3 309	132 376	2 846	5 536	107 536	328 095	155 048	397 711	85 432

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
213111, Drilling oil and gas wells	
Companies ¹	1 642
All establishments ²	1 913
Establishments with 0 to 19 employees	1 509
Establishments with 20 to 99 employees	290
Establishments with 100 employees or more	114
All employees for pay period including March 12	57 449
Total compensation	2 874 132
Annual payroll	2 294 891
Annual fringe benefits not included in payroll	579 241
Production, development, and exploration workers for pay period including March 12	48 399
Production, development, and exploration worker annual hours	97 149
Production, development, and exploration worker annual wages	1 814 654
Total cost of supplies	2 873 355
Supplies used, minerals received, and purchased machinery installed	2 017 946
Resales	268 450
Purchased fuels consumed	143 884
Purchased electricity	32 868
Contract work	410 207
Quantity of electricity purchased	572 351
Quantity of electricity generated less sold	2 765
Total other expenses	509 302
Response coverage ratio ³	46
Communications services	14 148
Legal services	8 688
Accounting, auditing, and bookkeeping services	7 671
Advertising and promotional services	5 335
All other expenses (not included above)	473 460
Total value of shipments and receipts for services	7 989 639
Primary products value of shipments	7 435 951
Secondary products value of shipments and receipts for services	284 190
Value of resales	269 498
Value of primary products shipments or services produced in all industries	7 975 898
Value of primary products shipments or services produced in this industry	7 435 951
Value of primary products shipments or services produced in other industries	539 947
Value added	6 336 645
Total inventories, end of 2001	295 490
Mineral products, crude petroleum, and natural gas liquids inventories	—
Supplies, parts, fuels, etc., inventories	295 490
Total inventories, end of 2002	308 010
Mineral products, crude petroleum, and natural gas liquids inventories	—
Supplies, parts, fuels, etc., inventories	308 010
Gross book value of depreciable/depletable assets at beginning of year	7 662 966
Capital expenditures (except land and mineral rights)	1 220 361
Capital expenditures for buildings, structures, machinery, and equipment (new and used)	1 220 361
Capital expenditures for mineral exploration and development	—
Capital expenditures for mineral land and rights	—
Deductions from depreciable/depletable assets during year	417 635
Gross book value of depreciable/depletable assets at end of year	8 465 692
Total depreciation/depletion charges during year	662 443
Total rental payments during year	346 575
Buildings and other structures	93 847
Machinery and equipment	252 728
Lease rents	—
Expensed mineral exploration, development, land, and rights	—

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³A response coverage ratio is derived for this item by calculating the ratio of the employment for those establishments that reported this item to the total employment for all establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production, development, and exploration workers			Value added (\$1,000)	Total cost of supplies (\$1,000)	Total value of shipments and receipts for services (\$1,000)	Capital expenditures (\$1,000)
			For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)				
213111, Drilling oil and gas wells											
All establishments	6	1 913	57 449	2 294 891	48 399	97 149	1 814 654	6 336 645	2 873 355	7 989 639	1 220 361
Establishments with—											
0 to 4 employees	7	1 085	1 852	64 296	1 571	2 858	48 768	201 139	116 619	282 292	35 466
5 to 9 employees	6	229	1 520	58 377	1 256	2 512	44 680	233 418	90 136	285 980	37 574
10 to 19 employees	2	195	2 722	105 229	2 159	4 190	76 875	707 509	224 836	891 445	40 900
20 to 49 employees	5	194	5 971	227 851	4 899	9 688	176 890	658 243	272 702	800 454	130 491
50 to 99 employees	5	96	6 786	282 320	5 602	12 240	218 061	808 022	327 117	940 846	194 293
100 to 249 employees	6	69	11 652	477 574	9 631	20 155	373 478	1 194 275	614 999	1 594 557	214 717
250 to 499 employees	7	28	9 301	369 483	7 883	15 613	283 956	940 624	430 553	1 147 896	223 281
500 to 999 employees	3	8	5 181	211 020	4 648	9 176	181 989	511 570	195 155	556 551	150 174
1,000 to 2,499 employees	8	9	12 464	498 741	10 750	20 717	409 957	1 081 845	601 238	1 489 618	193 465
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ³	9	1 052	2 499	90 331	2 155	4 040	70 429	236 618	133 604	326 507	43 715

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Type of Operation: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and type of operation	All establishments ¹		All employees		Production, development, and exploration workers			Value added (\$1,000)	Total value of shipments and receipts for services (\$1,000)
	Total	With 20 employees or more	For pay period including March 12	Annual payroll (\$1,000)	For pay period including March 12	Annual hours (1,000)	Annual wages (\$1,000)		
213111, Drilling oil and gas wells									
All establishments	1 913	404	57 449	2 294 891	48 399	97 149	1 814 654	6 336 645	7 989 639
Producing establishments	1 913	404	57 449	2 294 891	48 399	97 149	1 814 654	6 336 645	7 989 639
Mines or wells only	—	—	—	—	—	—	—	—	—
Underground mines	—	—	—	—	—	—	—	—	—
Open-pit mines	—	—	—	—	—	—	—	—	—
Combination mines, well operations, or other types of mines	—	—	—	—	—	—	—	—	—
Mines with preparation plants	—	—	—	—	—	—	—	—	—
Underground mines	—	—	—	—	—	—	—	—	—
Open-pit mines	—	—	—	—	—	—	—	—	—
Combination mines or other types of mines	—	—	—	—	—	—	—	—	—
Separately operated preparation plants	—	—	—	—	—	—	—	—	—
Undistributed ²	1 913	404	57 449	2 294 891	48 399	97 149	1 814 654	6 336 645	7 989 639
Nonproducing establishments	—	—	—	—	—	—	—	—	—

¹Includes establishments with payroll at any time during the year.

²Includes data for establishments that were not possible to classify based on information available.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products or Services Statistics: 2002 and 1997

[Includes quantity and value of products or receipts for services of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product or service code	Product or service	Quantity of production for all purposes	Product shipments or receipts for services		
			Quantity	Value (\$1,000)	
213111	Drilling oil and gas wells	2002..	X	X	7 975 898
		1997..	X	X	7 340 122
2131110	Drilling oil and gas wells	2002..	X	X	7 975 898
21311101	Drilling oil, gas, dry, or service wells.....	2002..	X	X	5 266 223
		1997..	X	X	5 742 005
2131110111	Drilling oil, gas, dry, or service wells.....	2002..	X	X	5 266 223
		1997..	X	X	5 742 005
21311102	Drilling in, spudding in, tailing in, and reworking oil and gas wells	2002..	X	X	1 107 939
		1997..	X	X	799 043
2131110221	Drilling in, spudding in, or tailing in oil and gas wells..... mil ft ..	2002..	X	S	77 875
		1997..	X	4.9	56 993
2131110231	Reworking oil and gas wells.....	2002..	X	X	1 030 064
		1997..	X	X	742 050
21311103	Oil and gas well directional drilling control.....	2002..	X	X	106 653
		1997..	X	X	373 180
2131110341	Oil and gas well directional drilling control.....	2002..	X	X	106 653
		1997..	X	X	373 180
2131110Y	Drilling oil and gas wells, nsk.....	2002..	X	X	1 495 083
		1997..	X	X	425 894
2131110YWT	Drilling oil and gas wells, nsk.....	2002..	X	X	1 495 083
		1997..	X	X	425 894

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments or Receipts for Services for Selected States and Offshore Areas: 2002 and 1997**

[Not applicable to this report]

Table 7. Selected Supplies, Minerals Received for Preparation, Purchased Machinery, and Fuels Consumed by Type: 2002 and 1997

[Includes quantity and cost of supplies and fuels consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Supply or fuel code	Supply or fuel consumed	Quantity	Delivered cost (\$1,000)
213111	Drilling oil and gas wells		
	Supplies consumed by type		
33300007	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation	2002.. X 1997.. X	865 487 1 920 176
33300009	Parts and attachments for mining, mineral preparation, construction, and conveying machinery and equipment	2002.. X 1997.. X	208 654 189 155
32500075	Industrial chemicals (including acidizing materials), excluding drilling fluids	2002.. X 1997.. X	6 073 7 498
32592001	Explosive materials (including ammonium nitrate) and blasting accessories	2002.. X 1997.. X	259 2 613
32599803	Drilling fluids (drilling mud and drilling mud materials; mud thinners, thickeners, and purifiers)	2002.. X 1997.. X	37 834 54 745
32419100	Lubricating oils and greases (including hydraulic oils)	2002.. X 1997.. X	25 603 28 330
32731001	Cement	2002.. X 1997.. X	11 343 22 868
33120059	Steel shapes and forms (excluding castings and forgings)	2002.. X 1997.. X	137 317 139 420
33300005	Drill bits and reamers	2002.. X 1997.. X	58 380 80 074
33451900	Measuring and controlling instruments and devices (seismometers, surveying and plotting instruments, etc.)	2002.. X 1997.. X	168 246 56 463
00970098	All other supplies	2002.. X 1997.. X	299 333 219 423
00973000	Undistributed minerals, purchased machinery, parts, attachments, and supplies used	2002.. X 1997.. X	199 417 288 331
	Fuels consumed by type		
32411017	Distillate (light) grade numbers 1, 2, 4, and light diesel fuel used as a fuel	1,000 bbl . 2002.. S 1997.. S	37 355 107 442
32411019	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel used as a fuel	1,000 bbl . 2002.. S 1997.. S	7 278 51 921
21111015	Gas (natural, manufactured, and mixed) used as a fuel	bil cu ft . 2002.. S 1997.. S	311 1 184
32411015	Gasoline used as a fuel	mil gal . 2002.. S 1997.. S	12 681 26 348
00960018	Other fuels (liquefied petroleum gas, coke, wood, etc.)	2002.. X 1997.. X	9 543 2 410
00974000	Undistributed fuels	2002.. X 1997.. X	76 716 60 739

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.