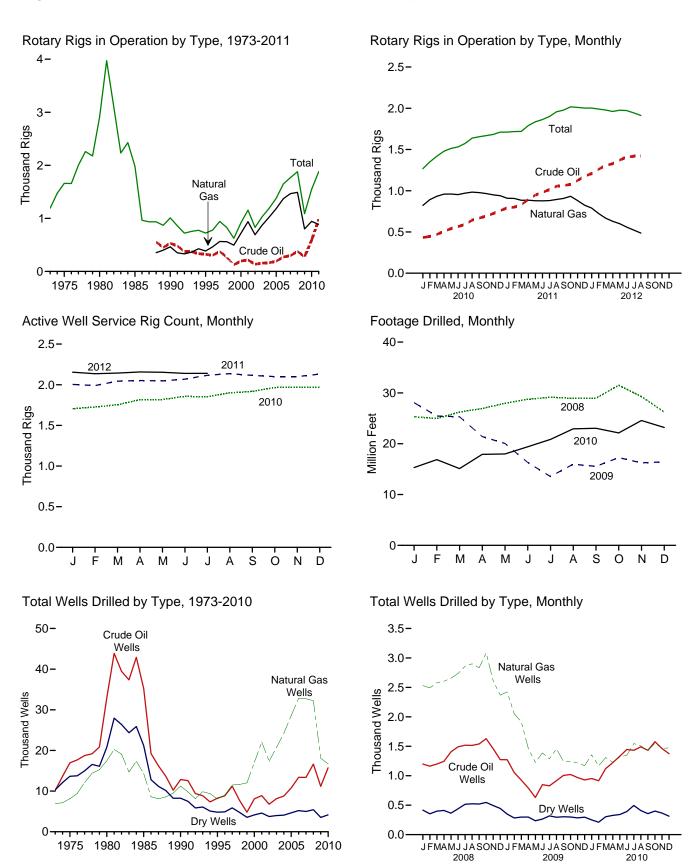
5. Crude Oil and Natural Gas Resource Development

Figure 5.1 Crude Oil and Natural Gas Resource Development Indicators



Web Page: http://www.eia.gov/totalenergy/data/monthly/#crude. Sources: Tables 5.1 and 5.2.

Table 5.1 Crude Oil and Natural Gas Drilling Activity Measurements

(Number of Rigs)

	By Site		Ву	Туре		Active	
	Onshore	Offshore	Crude Oil	Natural Gas	Total ^b	Well Service Rig Count ^c	
1973 Average	1,110	84	NA	NA	1,194	2,008	
1975 Average	1,554	106	NA	NA	1,660	2,486	
1980 Average		231	NA	NA	2,909	4,089	
1985 Average		206	NA	NA	1,980	4,716	
1990 Average		108	532	464	1,010	3,658	
1995 Average	622	101	323	385	723	3,041	
1996 Average		108	306	464	779	3,445	
1997 Average		122	376	564	943	3,499	
1998 Average		123	264	560	827	3,014	
1999 Average	519 778	106 140	128 197	496 720	625 918	2,232 2.692	
2000 Average		153	217	939	1,156	2,692	
2001 Average		113	137	691	830	1.830	
2002 Average		108	157	872	1,032	1,030	
2003 Average 2004 Average	1,095	97	165	1,025	1,032	2.064	
2005 Average		94	194	1,025	1,192	2,004 2,222	
2006 Average		90	274	1,372	1,649	2,364	
2007 Average		72	297	1,466	1,768	2,388	
2008 Average		65	379	1,491	1,879	2,515	
2009 Average		44	278	801	1,089	1,722	
2010 January	1,225	42	433	822	1,267	1,706	
February		45	446	892	1,350	1,726	
March		51	471	933	1,419	1,754	
April		53	508	959	1,479	1,816	
May		49	541	960	1,513	1,818	
June		20	566	953	1,531	1,857	
July		15	591	971	1,573	1,852	
August	1,619	20	644	983	1,638	1,900	
September	1,635	19	668	977	1,655	1,918	
October		21	693	966	1,668	1,965	
November		22	723	950	1,683	1,971	
December		24 31	759 591	940	1,711	1,968	
Average				943	1,546	1,854	
2011 January		26	793	909	1,711	2,004	
February		26	801	907	1,718	1,990	
March		26	830	884	1,720	2,044	
April		28	896	885	1,790	2,052	
May		32 34	948 979	878 977	1,836	2,047 2.069	
June		34 35	979 1,014	877 880	1,863 1,900	2,069 2,116	
July		35 35	1,014	880 894	1,900	2,116 2,136	
August September		32	1,063	907	1,957	2,136	
October	1,982	35 35	1,003	933	2,017	2,113	
November		37	1,125	880	2,017	2,100	
December		42	1,177	824	2,002	2,131	
Average		32	984	887	1,879	2,075	
2012 January	1,961	42	1,208	790	2,003	2,154	
February	1,949	42	1,261	723	1,990	2,135	
March	1,935	43	1,307	667	1,979	2,143	
April	1,917	44	1,329	629	1,961	2,157	
May	1,931	46	1,373	600	1,977	2,153	
June		49	1,409	558	1,972	2,139	
July		51	1,419	522	1,944	2,140	
August		51	1,423	487	1,913	NA	
8-Month Average	1,920	46	1,345	617	1,966	NA	
2011 8-Month Average 2010 8-Month Average	1,784 1,438	30 36	917 526	889 936	1,814 1,474	2,057 1,804	

a Rotary rigs in operation are reported weekly. Monthly data are averages of 4-or 5-week reporting periods, not calendar months. Multi-month data are averages of the reported data over the covered months, not averages of the weekly data. Annual data are averages over 52 or 53 weeks, not calendar years. Published data are rounded to the nearest whole number.
 b Sum of rigs drilling for crude oil, rigs drilling for natural gas, and other rigs (not shown) drilling for miscellaneous purposes, such as service wells, injection wells, and stratigraphic tests.
 c The number of rigs doing true workovers (where tubing is pulled from the well), or doing rod string and pump repair operations, and that are, on average, crewed and working every day of the month.

NA=Not available.

NA=Not available.

Note: Geographic coverage is the 50 States and the District of Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/#crude for all available data beginning in 1973.

Sources: • Rotary Rigs in Operation: Baker Hughes, Inc., Houston, TX, Rotary Rigs Running—by State, used with permission. See http://investor.shareholder.com/bhi/rig_counts/rc_index.cfm. • Active Well Service Rig Count: Cameron International Corporation, Houston, TX. See http://www.c-a-m.com/Forms/Product.aspx?prodID=cdc209c4-79a3-47e5-99c2-fdeda6d4aad6.

Table 5.2 Crude Oil and Natural Gas Exploratory and Development Wells

	Wells Drilled												
	Exploratory			Development			Total] <u> </u>		
	Crude Oil	Natural Gas	Dry	Total	Crude Oil	Natural Gas	Dry	Total	Crude Oil	Natural Gas	Dry	Total	Total Footage Drilled
	Number										Thousand Feet		
1973 Total 1975 Total 1980 Total 1985 Total 1990 Total 1995 Total 1996 Total 1997 Total	642 982 1,777 1,680 778 570 489	1,067 1,248 2,099 1,200 811 558 576 562	5,952 7,129 9,081 8,954 3,652 2,024 1,956 2,113	7,661 9,359 12,957 11,834 5,241 3,152 3,021 3,166	9,525 15,966 31,182 33,581 12,061 7,678 8,347 10,715	5,866 6,879 15,362 13,124 10,435 7,524 8,451 10,936	4,368 6,517 11,704 12,257 4,593 2,790 2,934 3,761	19,759 29,362 58,248 58,962 27,089 17,992 19,732 25,412	10,167 16,948 32,959 35,261 12,839 8,248 8,836 11,206	6,933 8,127 17,461 14,324 11,246 8,082 9,027 11,498	10,320 13,646 20,785 21,211 8,245 4,814 4,890 5,874	27,420 38,721 71,205 70,796 32,330 21,144 22,753 28,578	138,223 180,494 316,943 314,409 156,044 117,156 126,365 161,249
1998 Total 1999 Total 2000 Total 2001 Total 2002 Total 2003 Total 2004 Total 2005 Total 2006 Total 2007 Total	327 197 288 357 258 350 383 539 646 808	566 570 657 1,052 844 997 1,671 2,141 2,456 2,794	1,590 1,157 1,341 1,733 1,282 1,297 1,350 1,462 1,547 1,582	2,483 1,924 2,286 3,142 2,384 2,644 3,404 4,142 4,649 5,184	7,355 4,608 7,802 8,531 6,517 7,779 8,406 10,240 12,739 12,563	11,073 11,457 16,394 21,020 16,498 19,725 22,515 26,449 30,382 29,925	3,701 2,393 2,805 2,865 2,472 2,685 2,732 3,191 3,659 3,399	21,599 18,458 27,001 32,416 25,487 30,189 33,653 39,880 46,780 45,887	7,682 4,805 8,090 8,888 6,775 8,129 8,789 10,779 13,385 13,371	11,639 12,027 17,051 22,072 17,342 20,722 24,186 28,590 32,838 32,719	4,761 3,550 4,146 4,598 3,754 3,982 4,082 4,653 5,206 4,981	24,082 20,382 29,287 35,558 27,871 32,833 37,057 44,022 51,429 51,071	137,202 102,861 144,425 180,141 145,159 177,239 204,279 240,307 282,675 301,515
2008 January February March April May June July August September October November December Total	88 82 66 68 88 63 79 67 52 80 97 67 897	208 230 216 189 206 195 163 165 166 243 192 172 2,345	144 107 127 130 124 139 171 144 164 173 160 132	440 419 409 387 418 397 413 376 382 496 449 371 4,957	1,111 1,080 1,132 1,177 1,317 1,428 1,439 1,448 1,549 1,361 1,206 15,736	2,321 2,261 2,363 2,415 2,449 2,540 2,695 2,735 2,667 2,841 2,418 2,196 29,901	272 247 271 281 240 299 344 379 355 373 334 313 3,708	3,704 3,588 3,766 3,873 4,006 4,267 4,478 4,562 4,510 4,763 4,113 3,715 49,345	1,199 1,162 1,198 1,245 1,405 1,491 1,518 1,515 1,540 1,629 1,458 1,273 16,633	2,529 2,491 2,579 2,604 2,655 2,735 2,858 2,900 2,833 3,084 2,610 2,368 32,246	416 354 398 411 364 438 515 523 519 546 494 445 5,423	4,144 4,007 4,175 4,260 4,424 4,664 4,891 4,938 4,892 5,259 4,562 4,086 54,302	25,306 24,958 26,226 26,920 27,947 28,739 29,140 28,942 28,960 31,505 29,276 26,222 334,141
Pebruary February February March April May June July August September October November December Total	80 62 59 36 47 44 40 49 61 55 38 34	171 125 146 68 90 91 100 84 71 79 83 98 1,206	99 88 88 93 80 75 101 88 96 78 85 84	350 275 293 197 217 210 241 221 228 212 206 216 2,866	1,192 991 867 755 584 804 789 867 945 966 931 894 10,585	2,253 1,925 1,771 1,396 1,136 1,297 1,188 1,372 1,170 1,167 1,133 1,074 16,882	250 195 210 205 156 189 217 207 207 207 2199 213 2,470	3,695 3,111 2,848 2,356 1,876 2,290 2,194 2,446 2,322 2,355 2,263 2,181 29,937	1,272 1,053 926 791 631 848 829 916 1,006 1,001 969 928 11,190	2,424 2,050 1,917 1,464 1,226 1,388 1,456 1,241 1,246 1,216 1,172 18,088	349 283 298 298 236 318 295 303 300 284 297 3,525	4,045 3,386 3,141 2,553 2,093 2,500 2,435 2,667 2,550 2,567 2,469 2,397 32,803	28,077 25,440 25,304 21,406 20,055 16,301 13,543 15,970 15,547 17,261 16,236 16,424 231,562
2010 January	55 44 59 49 48 61 46 56 57 75 62 57 669	91 71 85 78 107 100 103 104 73 87 114 92 1,105	81 67 88 77 86 90 105 94 88 117 103 70 1,066	227 182 232 204 241 251 254 254 218 279 279 219 2,840	898 871 1,062 1,173 1,282 1,385 1,386 1,434 1,502 1,400 1,317 15,084	1,264 1,096 1,224 1,152 1,208 1,250 1,443 1,402 1,358 1,463 1,352 1,379	169 144 216 249 255 390 314 268 283 263 243 3,096	2,331 2,111 2,502 2,574 2,745 2,937 3,219 3,150 3,000 3,248 3,015 2,939 33,771	953 915 1,121 1,222 1,330 1,446 1,432 1,490 1,431 1,577 1,462 1,374 15,753	1,355 1,167 1,309 1,230 1,315 1,350 1,546 1,506 1,431 1,550 1,466 1,471 16,696	250 211 304 326 341 392 495 408 356 313 4,162	2,558 2,293 2,734 2,778 2,986 3,188 3,473 3,404 3,218 3,527 3,294 3,158 36,611	15,304 16,862 15,102 17,904 17,987 19,408 20,847 22,923 23,037 22,123 24,561 23,189 239,247

Notes: • Data are estimates. • Prior to 1990, these well counts include only the original drilling of a hole intended to discover or further develop already discovered crude oil or natural gas resources. Other drilling activities, such as drilling an old well deeper, drilling of laterals from the original well, drilling of service and injection wells, and drilling for resources other than crude oil or natural gas are excluded. After 1990, a new well is defined as the first hole in the ground whether it is lateral or not. Due to the methodology used to estimate ultimate well counts from the available partially reported data, the counts shown on this page are frequently revised. See Note, "Crude Oil and Natural Gas Exploratory and Development

Wells," at end of section. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/#crude for all

available data beginning in 1973.

Sources: • 1973–1989: U.S. Energy Information Administration (EIA) computations based on well reports submitted to the American Petroleum Institute. • 1990 forward: EIA computations based on well reports submitted to IHS, Inc., Denver, CO.

2011 and 2012 data in this table have been removed while EIA evaluates the quality of the data and the estimation methodology.

Crude Oil and Natural Gas Resource Development

Note. Crude Oil and Natural Gas Exploratory and Development Wells. Three well types are considered in the *Monthly Energy Review* (*MER*) drilling statistics: "completed for crude oil," "completed for natural gas," and "dry hole." Wells that productively encounter both crude oil and natural gas are categorized as "completed for crude oil." Both development wells and exploratory wells (new field wildcats, new pool tests, and extension tests) are included in the statistics. All other classes of wells drilled in connection with the search for producible hydrocarbons are excluded. If a lateral is drilled at the same time as the original hole it is not counted separately, but its footage is included.

Prior to the March 1985 MER, drilling statistics consisted of

completion data for the above types and classes of wells as reported to the American Petroleum Institute (API) during a given month. Due to time lags between the date of well completion and the date of completion reporting to the API, as-reported well completions proved to be an inaccurate indicator of drilling activity. During 1982, for example, as-reported well completions rose, while the number of actual completions fell. Consequently, the drilling statistics published since the March 1985 MER are U.S. Energy Information Administration (EIA) estimates produced by statistically imputing well counts and footage based on the partial data available from the API. These estimates are subject to continuous revision as new data, some of which pertain to earlier months and years, become available. Additional information about the EIA estimation methodology may be found in "Estimating Well Completions," a feature article published in the March 1985 MER.

THIS PAGE INTENTIONALLY LEFT BLANK