

Crude Oil Production in North Dakota: 2009

Crude oil production in North Dakota rose to nearly 80 million barrels in 2009, an increase of 27.0 percent from 2008. This growth was the largest gain among the 31 oil-producing states. However, it was less than the growth of Federal Offshore PAD District 3 which grew 33.3 percent.

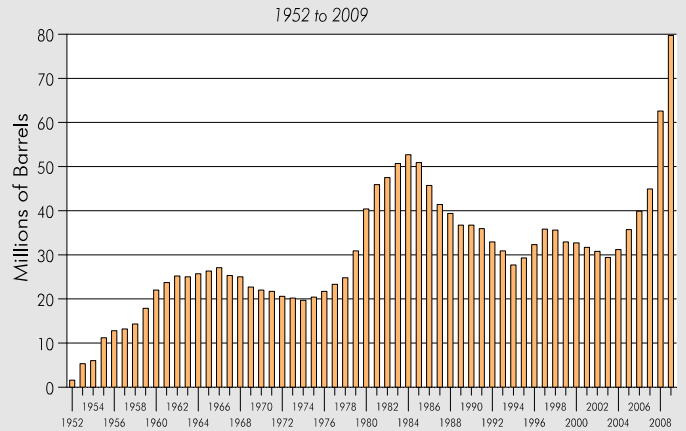
North Dakota's oil production increased sharply in the late 1970s and peaked in 1984 at 52.7 million barrels. Production declined through the late 1980s and early 1990s. After a small rise in the mid 1990s, production slowed again. Production dropped to 29.4 million barrels by 2003. Since 2004, crude oil production in North Dakota has grown an average of 21.1 percent per year to reach 79.7 million barrels in 2009, surpassing the previous peak in 2008 (Figure 1).

Total crude oil production in the U.S. (1.9 billion barrels of oil in 2009) declined each year from 1985 to 2008, except for a slight growth in 1991. From 2008 to 2009, nationwide crude oil production rose 7.0 percent.

In 2009, North Dakota ranked 5th in crude oil production out of 31 oil-producing states and two federal offshore areas. North Dakota produced an average of more than 218,000 barrels of oil per day in 2009 and comprised 4.1 percent of the nation's total production.

Seventeen of North Dakota's 53 counties produced oil in 2009. Mountrail County was North Dakota's largest crude oil producer in 2009 (29.7 million barrels), followed by Bowman (13.3 million barrels), McKenzie (10.1 million barrels), Dunn (8.9 million barrels), Williams (5.6 million barrels), Billings (3.9 million barrels), and Bottineau (1.9 million barrels) counties. An additional 10 counties produced the remaining 6.2 million barrels of the state's overall crude oil in 2009.

Figure 1. Crude Oil Production in North Dakota



Source: North Dakota Industrial Commission, Oil and Gas Division, <http://www.dmr.nd.gov/oilgas/>

Figure 2. Percent Change in Crude Oil Production by State: 2008 to 2009

Source: Energy Information Administration (EIA), Petroleum Supply Monthly, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_supply_monthly/psm.html

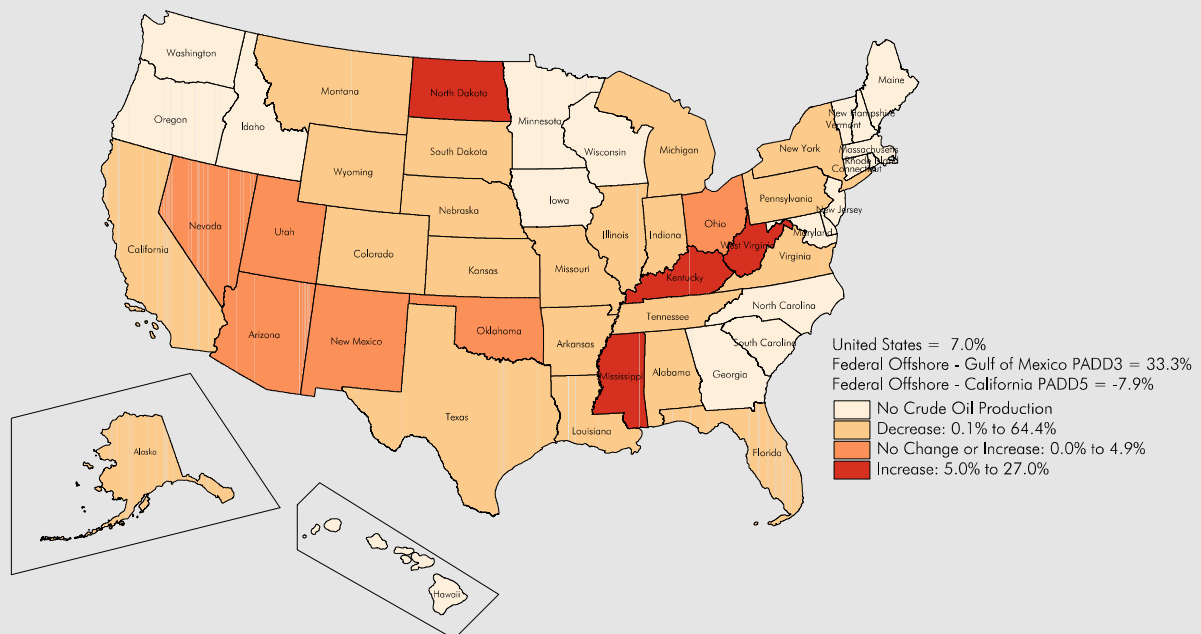


Table 1. Crude Oil Production by State and Federal Offshore Area: 1998 to 2009

Note: Data are in thousands of barrels of oil. For example, 79,715 equals 79,715,000 barrels of oil. Source: Energy Information Administration (EIA), Petroleum Supply Monthly, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_supply_monthly/psm.html

Area	Crude Oil Production (Thousands of Barrels)											
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Alabama	12,397	11,125	10,458	9,333	8,631	7,877	7,443	7,861	7,531	7,173	7,546	7,003
Alaska	428,851	383,198	355,198	351,412	359,335	355,582	332,465	315,420	270,486	263,595	249,874	235,240
Arizona	78	66	57	60	63	47	52	50	55	43	52	52
Arkansas	7,998	7,154	7,153	7,591	7,344	7,226	6,732	6,344	6,104	6,031	6,079	5,906
California	283,628	273,019	271,132	260,665	258,010	250,000	240,206	230,294	223,449	216,778	214,544	207,429
Colorado	22,365	18,468	18,479	16,518	17,734	21,109	22,097	22,823	23,390	23,237	24,054	23,863
Connecticut	—	—	—	—	—	—	—	—	—	—	—	—
Delaware	—	—	—	—	—	—	—	—	—	—	—	—
Florida	5,971	4,895	4,625	4,426	3,656	3,262	2,875	2,585	2,360	2,078	1,956	696
Georgia	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—	—
Illinois	13,732	12,065	12,206	10,092	12,051	11,696	10,984	10,207	10,323	9,609	9,423	9,073
Indiana	2,210	1,964	2,098	2,022	1,962	1,865	1,755	1,727	1,731	1,727	1,858	1,804
Iowa	—	—	—	—	—	—	—	—	—	—	—	—
Kansas	35,541	29,046	34,463	33,942	32,721	33,944	33,858	33,823	35,651	36,490	39,582	38,736
Kentucky	2,919	2,777	3,467	2,970	2,679	2,538	2,548	2,535	2,340	2,666	2,645	2,832
Louisiana	134,219	120,008	105,424	104,608	93,477	90,111	83,411	75,483	73,876	76,651	73,011	72,422
Maine	—	—	—	—	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	—	—	—	—	—	—	—	—	—	—	—	—
Michigan	8,995	7,835	7,907	7,374	7,219	6,524	6,409	5,549	5,093	5,201	6,223	6,093
Minnesota	—	—	—	—	—	—	—	—	—	—	—	—
Mississippi	22,031	17,949	19,843	19,530	18,015	16,593	17,153	17,695	17,356	20,396	22,102	23,232
Missouri	93	92	95	90	95	82	88	85	87	80	99	75
Montana	16,483	14,939	15,427	15,919	16,855	19,320	24,724	32,855	36,262	34,829	31,545	27,271
Nebraska	3,176	2,661	2,955	2,922	2,779	2,755	2,507	2,413	2,313	2,334	2,394	2,227
Nevada	799	706	621	571	553	493	463	447	426	408	436	455
New Hampshire	—	—	—	—	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—	—	—	—
New Mexico	72,328	64,377	67,198	68,001	67,041	66,130	64,236	60,660	59,818	58,831	59,403	59,820
New York	217	205	210	166	165	144	170	197	319	380	386	339
North Carolina	—	—	—	—	—	—	—	—	—	—	—	—
North Dakota	35,562	32,883	32,718	31,691	30,993	29,406	31,154	35,660	39,911	45,058	62,776	79,715
Ohio	6,541	5,968	6,574	6,050	6,004	5,647	5,785	5,652	5,422	5,455	5,715	5,834
Oklahoma	77,577	70,557	69,976	68,531	66,642	65,356	62,502	62,142	62,841	60,952	64,065	65,675
Oregon	—	—	—	—	—	—	—	—	—	—	—	—
Pennsylvania	1,978	1,470	1,500	1,620	2,233	2,425	2,538	3,947	3,626	3,653	3,611	3,541
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—	—	—	—
South Dakota	1,206	1,100	1,170	1,255	1,214	1,237	1,357	1,469	1,394	1,665	1,697	1,651
Tennessee	287	345	346	349	275	311	361	324	192	284	344	258
Texas	504,661	449,233	443,396	424,295	411,985	405,801	392,867	387,680	397,220	396,894	398,014	394,040
Utah	19,198	16,253	15,636	15,251	13,676	13,096	14,629	16,651	17,910	19,520	21,998	22,987
Vermont	—	—	—	—	—	—	—	—	—	—	—	—
Virginia	6	8	7	12	22	5	19	8	7	18	7	5
Washington	—	—	—	—	—	—	—	—	—	—	—	—
West Virginia	1,470	1,470	1,401	1,225	1,382	1,334	1,339	1,563	1,749	1,574	1,593	1,864
Wisconsin	—	—	—	—	—	—	—	—	—	—	—	—
Wyoming	64,782	61,127	60,726	57,432	54,717	52,407	51,619	51,626	52,904	54,130	52,943	50,174
Federal Offshore												
PAD District 3	448,388	494,066	523,250	560,486	567,810	569,131	531,900	467,776	474,000	466,112	421,697	562,031
Federal Offshore												
PAD District 5	46,232	39,703	34,992	31,103	29,783	30,000	27,054	26,554	26,113	24,600	24,147	22,231
U.S. Total	2,281,919	2,146,732	2,130,707	2,117,511	2,097,124	2,073,453	1,983,302	1,890,106	1,862,259	1,848,450	1,811,817	1,938,128

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North Dakota's Oil Production at new record high

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This month's "Economic Brief," a monthly publication from the North Dakota State Data Center at North Dakota State University, focuses on crude oil production throughout North Dakota and the nation.

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"Early indications suggest that oil production in 2010 will exceed 2009 since data from March show an increase of 14.6 percent from December 2009," said Richard Rathge, Director of the State Data Center. "The economic boom, however, brings a whole host of important issues for the state that we need to address including the urgent need for affordable housing, effective monitoring of stress levels within families affected by the boom, and planned community development that will revitalize western North Dakota in a sustainable manner," said Rathge.

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