

Crude Oil Production in North Dakota: 2010

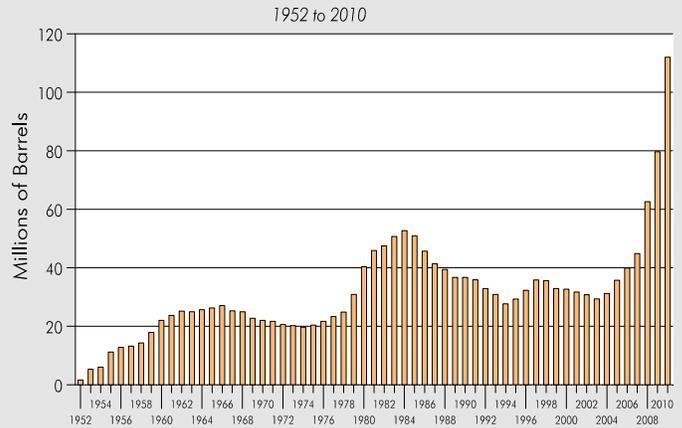
Crude oil production in North Dakota rose to 112 million barrels in 2010, an increase of 32 million barrels of oil from 2009. This growth was the largest gain in oil production among the 31 oil-producing states and the two federal offshore areas (Figure 2).

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 22 percent per year to reach 112 million barrels in 2010 (Figure 1).

In 2010, North Dakota ranked 4th in crude oil production out of 31 oil-producing states. North Dakota produced an average of 307,000 barrels of oil per day in 2010 and comprised 6 percent of the nation's total production.

Seventeen of North Dakota's 53 counties produced oil in 2010. Mountrail County was North Dakota's largest crude oil producer in 2010 (46 million barrels), followed by McKenzie (16 million barrels), Dunn (15 million barrels), Bowman (11 million barrels), Williams (10 million barrels), Billings (4 million barrels), Divide (3 million barrels), and Bottineau (2 million barrels) counties. An additional nine counties produced the remaining 5 million barrels of the state's overall crude oil in 2010.

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. Change in Crude Oil Production by State: 2009 to 2010

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

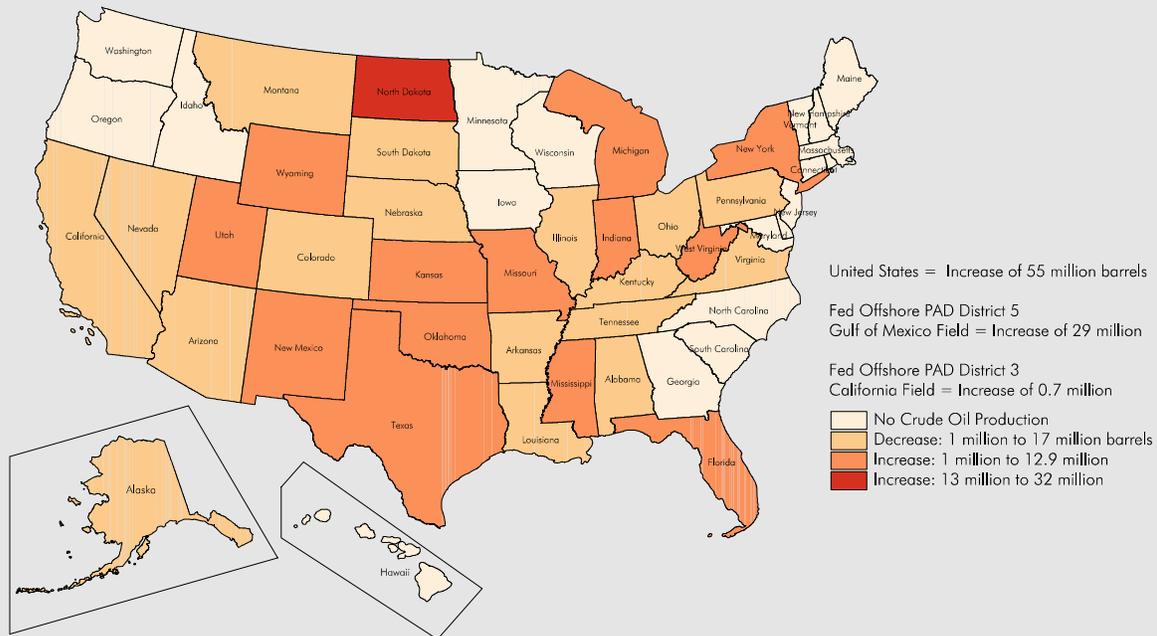


Table 1. Crude Oil Production by State and Federal Offshore Area: 1999 to 2010

Note: Data are in thousands of barrels of oil. For example, 111,996 equals 111,996,000 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)											
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Alabama	11,123	10,457	9,334	8,631	7,877	7,443	7,861	7,531	7,173	7,546	7,189	6,972
Alaska	383,199	355,199	351,411	359,335	355,582	332,465	315,420	270,486	263,595	249,874	235,500	218,764
Arizona	66	59	59	63	47	52	50	55	43	52	46	40
Arkansas	7,150	7,154	7,592	7,344	7,226	6,732	6,344	6,104	6,031	6,079	5,781	5,735
California	273,017	271,132	260,663	258,010	250,000	240,206	230,294	223,449	216,778	214,544	207,094	203,727
Colorado	18,469	18,481	16,520	17,734	21,109	22,097	22,823	23,390	23,237	24,054	28,324	26,060
Connecticut	-	-	-	-	-	-	-	-	-	-	-	-
Delaware	-	-	-	-	-	-	-	-	-	-	-	-
Florida	4,895	4,626	4,426	3,656	3,262	2,875	2,585	2,360	2,078	1,956	696	1,780
Georgia	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-	-
Illinois	12,065	12,206	10,092	12,051	11,696	10,984	10,207	10,323	9,609	9,423	9,099	8,975
Indiana	1,964	2,098	2,022	1,962	1,865	1,755	1,727	1,731	1,727	1,858	1,804	1,835
Iowa	-	-	-	-	-	-	-	-	-	-	-	-
Kansas	29,046	34,463	33,942	32,721	33,944	33,858	33,823	35,651	36,490	39,582	39,464	40,420
Kentucky	2,777	3,465	2,969	2,679	2,538	2,548	2,535	2,340	2,666	2,645	2,609	2,519
Louisiana	120,008	105,425	104,610	93,477	90,111	83,411	75,483	73,876	76,651	73,011	69,002	66,566
Maine	-	-	-	-	-	-	-	-	-	-	-	-
Maryland	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	-	-	-	-	-	-	-	-	-	-
Michigan	7,836	7,907	7,375	7,219	6,524	6,409	5,549	5,093	5,201	6,223	5,900	6,506
Minnesota	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi	17,951	19,844	19,528	18,015	16,593	17,153	17,695	17,356	20,396	22,102	23,232	23,637
Missouri	92	94	91	95	82	88	85	87	80	99	94	105
Montana	14,937	15,428	15,920	16,855	19,320	24,724	32,855	36,262	34,829	31,545	27,692	23,703
Nebraska	2,663	2,957	2,922	2,779	2,755	2,507	2,413	2,313	2,334	2,394	2,239	2,192
Nevada	706	621	572	553	493	463	447	426	408	436	455	433
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico	64,376	67,198	68,001	67,041	66,130	64,236	60,660	59,818	58,831	59,403	61,146	62,250
New York	206	210	166	165	144	170	197	319	380	386	339	377
North Carolina	-	-	-	-	-	-	-	-	-	-	-	-
North Dakota	32,882	32,719	31,691	30,993	29,406	31,154	35,660	39,911	45,058	62,776	79,736	111,996
Ohio	5,970	6,575	6,051	6,004	5,647	5,785	5,652	5,422	5,455	5,715	5,834	5,796
Oklahoma	70,556	69,976	68,531	66,642	65,356	62,502	62,142	62,841	60,952	64,065	67,018	68,044
Oregon	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania	1,471	1,500	1,620	2,233	2,425	2,538	3,947	3,626	3,653	3,611	3,541	3,475
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	1,100	1,170	1,255	1,214	1,237	1,357	1,469	1,394	1,665	1,697	1,658	1,601
Tennessee	344	346	351	275	311	361	324	192	284	344	268	266
Texas	449,233	443,397	424,297	411,985	405,801	392,867	387,680	397,220	396,894	398,014	403,797	416,514
Utah	16,253	15,636	15,252	13,676	13,096	14,629	16,651	17,910	19,520	21,998	22,927	24,404
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	8	9	11	22	5	19	8	7	18	7	14	6
Washington	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia	1,471	1,400	1,226	1,382	1,334	1,339	1,563	1,749	1,574	1,593	1,864	1,967
Wisconsin	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming	61,126	60,726	57,433	54,717	52,407	51,619	51,626	52,904	54,130	52,943	51,333	51,700
Federal Offshore												
PAD District 3	39,702	34,992	31,103	29,783	30,000	27,054	26,554	26,113	24,600	24,147	21,900	22,619
Federal Offshore												
PAD District 5	494,064	523,250	560,485	567,810	569,131	531,900	467,776	474,000	466,112	421,697	569,002	598,019
U.S. Total	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	1,956,596	2,011,855

Date of Release: July 14, 2011

North Dakota's Crude Oil Production at new record high

Crude oil production in North Dakota rose to approximately 112 million barrels in 2010, an increase of 32 million barrels from 2009. This growth was the largest gain among the 31 oil-producing states and the two federal offshore areas.

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.

North Dakota's oil production increased sharply in the late 1970s and peaked in 1984 at nearly 53 million barrels. Production declined throughout the late 1980s and early 1990s. After a small rise in the mid 1990s, production slowed again. Production dropped to 29 million barrels by 2003. Since 2004, crude oil production in North Dakota has grown an average of 22 percent per year to reach 112 million barrels in 2010.

Total crude oil production in the U.S. (2 billion barrels of oil in 2010) declined each year from 1985 to 2008, except for a slight growth in 1991. Nationwide crude oil production rose 7 percent in 2009 and 3 percent in 2010.

In 2010, North Dakota ranked 4th in crude oil production out of 31 oil-producing states and outpaced one of the two federal offshore areas. North Dakota produced an average of 307,000 barrels of oil per day in 2010 and comprised 6 percent of the nation's total production.

The nation's four largest oil producers in 2010 included the Federal Offshore area in the Gulf of Mexico (PAD District 5) (598 million barrels), Texas (417 million barrels), Alaska (219 million barrels), and California (204 million barrels).

"North Dakota is the only state among the largest oil producing states to have increased capacity from 2000 to 2010. For example, over that period, Alaska dropped its production by 38 percent, California by 25 percent, and Texas by 6 percent - while North Dakota increased production by 242 percent. If these trends continue, North Dakota could outpace both California and Alaska within four years," said Richard Rathge, director of the State Data Center.

Seventeen of North Dakota's 53 counties produced oil in 2010. Mountrail County was North Dakota's largest crude oil producer in 2010 (46 million barrels), followed by McKenzie (16 million barrels), Dunn (15 million barrels), Bowman (11 million barrels), Williams (10 million barrels), Billings (4 million barrels), Divide (3 million barrels), and Bottineau (2 million barrels) counties. An additional nine counties produced the remaining 5 million barrels of the state's overall crude oil in 2010.

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View publication online at:
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