



MONTHLY UPDATE

NOVEMBER 2017 PRODUCTION & TRANSPORTATION

Published: January 16, 2018
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MONTHLY UPDATE

NOVEMBER 2017 PRODUCTION & TRANSPORTATION

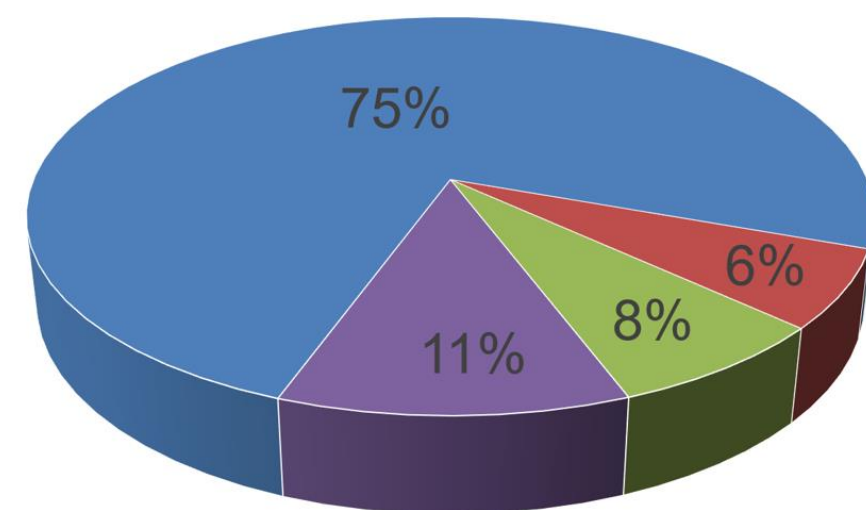
North Dakota Oil Production

Month	Monthly Total, BBL	Average, BOPD
Oct 2017 - Final	36,698,095	1,183,810
Nov 2017 - Prelim.	35,847,594	1,194,920

North Dakota Natural Gas Production

Month	Monthly Total, MCF	Average, MCFD
Oct 2017 - Final	64,027,664	2,065,409
Nov 2017 - Prelim.	62,860,261	2,095,342

Estimated Williston Basin Oil Transportation, Nov. 2017



■ Pipeline Export ■ Refined
■ Truck to Canadian Pipelines ■ Estimated Rail

CURRENT DRILLING ACTIVITY:

NORTH DAKOTA¹

56 Rigs

EASTERN MONTANA²

1 Rigs

SOUTH DAKOTA²

0 Rigs

SOURCE (JAN. 16, 2018):

1. ND Oil & Gas Division
2. Baker Hughes

PRICES:

Crude (WTI): \$64.10

Crude (Brent): \$69.61

NYMEX Gas: \$3.06

**SOURCE: BLOOMBERG
(JANUARY 16, 2018)**

GAS STATS*

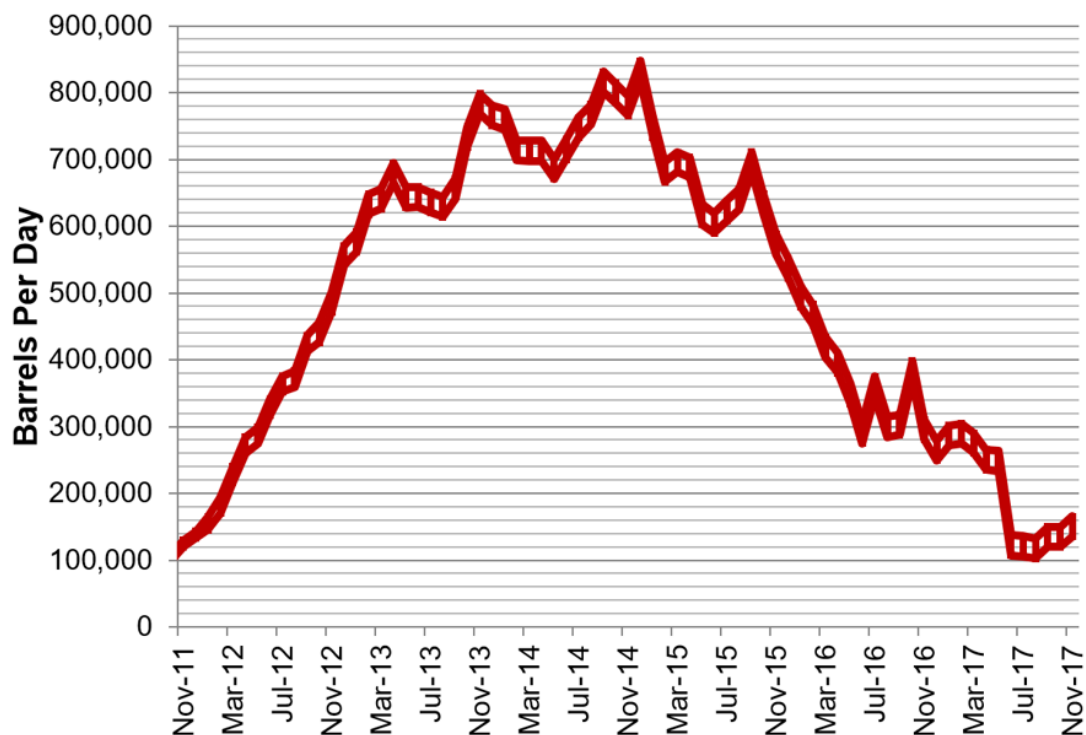
87% CAPTURED & SOLD

11% FLARED DUE TO
CHALLENGES OR
CONSTRAINTS ON EXISTING
GATHERING SYSTEMS

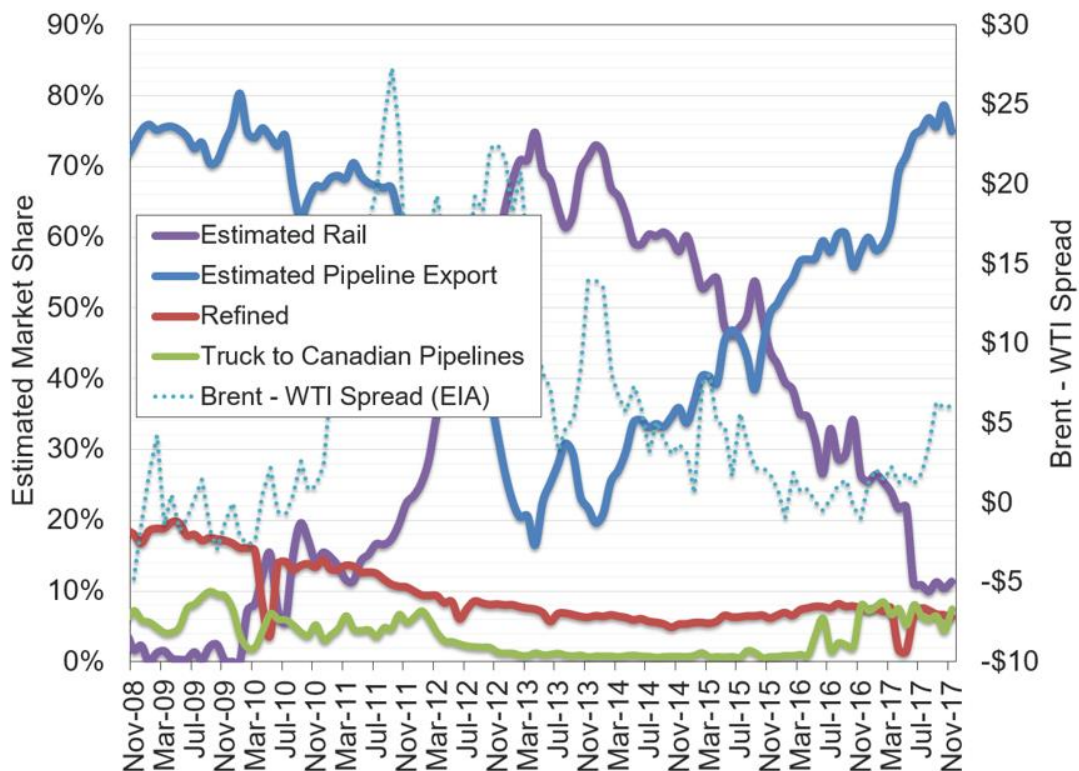
2% FLARED FROM WELL
WITH ZERO SALES

*NOV. 2017 NON-CONF DATA

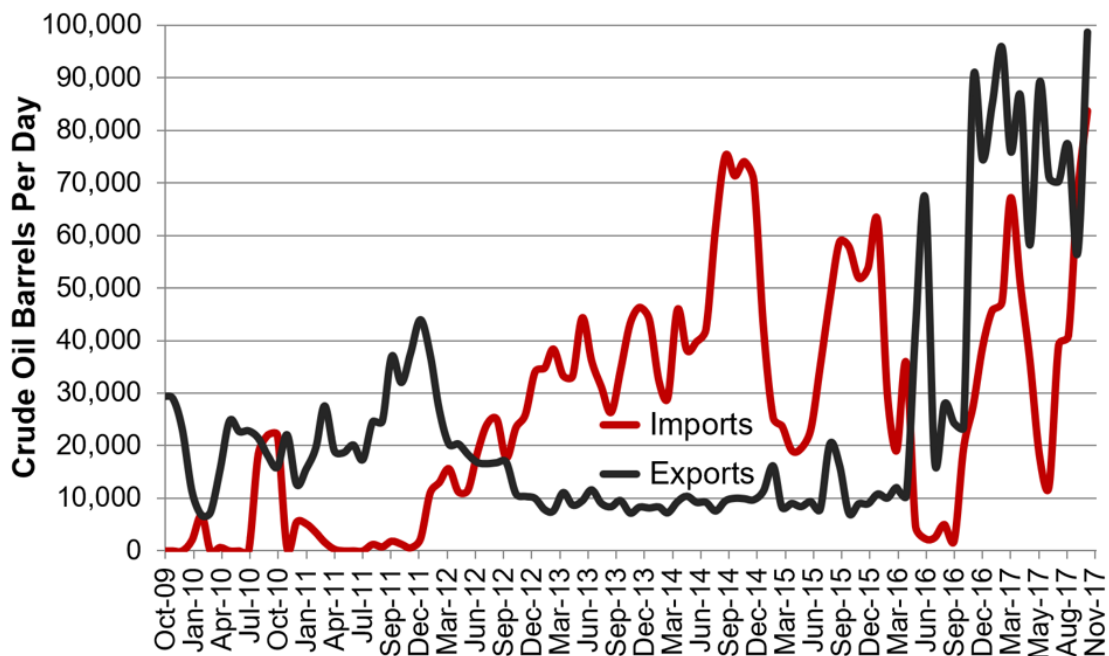
Estimated North Dakota Rail Export Volumes



Estimated Williston Basin Oil Transportation

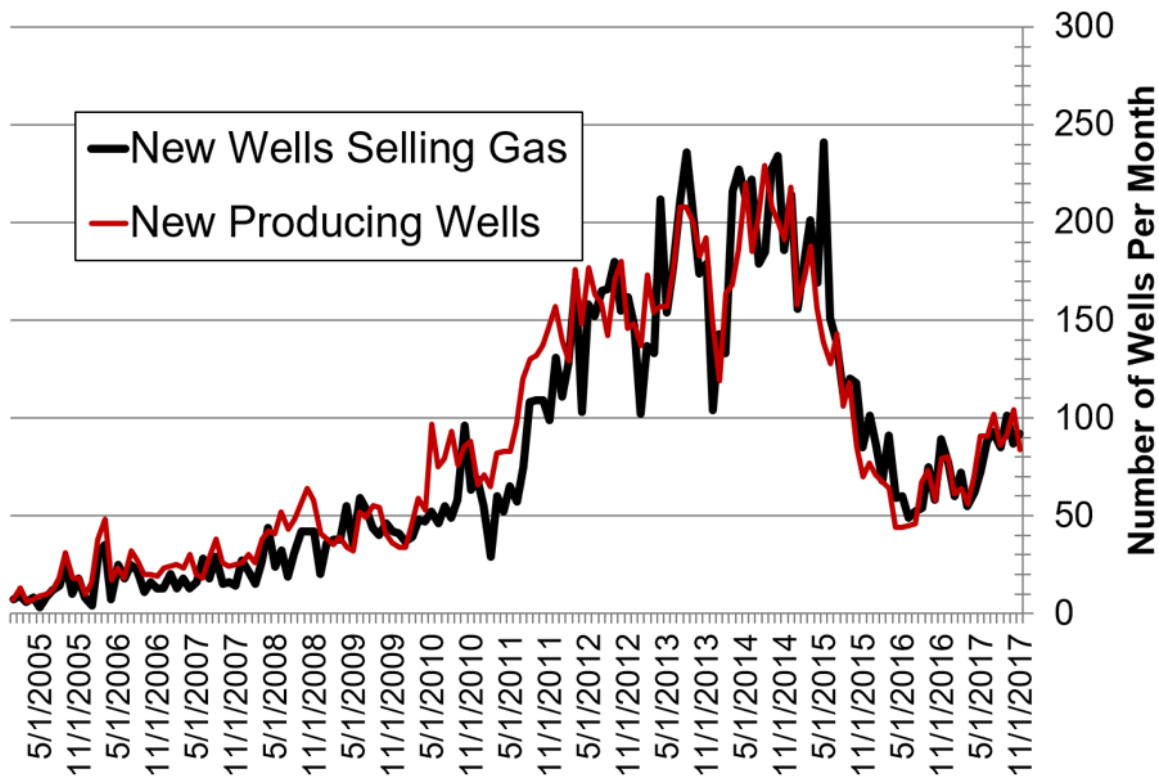


Williston Basin Truck Imports and Exports with Canada



Data for truck imports/exports chart is provided by the US International Trade Commission

New Gas Sales Wells per Month



US Williston Basin Oil Production, BOPD

2016

MONTH	ND	EASTERN MT*	SD	TOTAL
January	1,121,630	63,321	4,148	1,189,098
February	1,119,574	62,710	4,072	1,186,356
March	1,111,716	61,385	3,948	1,177,049
April	1,042,025	59,909	3,846	1,105,779
May	1,046,989	59,214	3,971	1,110,174
June	1,027,230	58,381	3,859	1,089,470
July	1,029,322	56,820	3,803	1,089,945
August	981,239	55,796	3,818	1,040,853
September	971,141	55,712	3,764	1,030,617
October	1,042,790	56,097	3,654	1,102,541
November	1,034,484	56,322	3,770	1,094,576
December	942,461	52,684	3,478	998,623

2017

MONTH	ND	EASTERN MT*	SD	TOTAL
January	983,840	52,727	3,553	1,040,120
February	1,034,148	53,959	3,718	1,091,825
March	1,025,932	52,901	3,705	1,082,537
April	1,050,892	52,437	3,768	1,107,096
May	1,040,658	52,980	3,389	1,097,027
June	1,032,921	52,947	3,563	1,089,430
July	1,048,560	51,767	3,529	1,103,856
August	1,089,289	51,041	3,565	1,143,894
September	1,107,345	51,184	3,568	1,162,096
October	1,183,810	49,385	3,611	1,236,806
November	1,194,920			
December				

** Eastern Montana production composed of the following Counties: Carter, Daniels, Dawson, Fallon, McCone, Powder River, Prairie, Richland, Roosevelt, Sheridan, Valley, Wibaux*