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Manitoba Oil Facts

- Manitoba has two potential areas for oil and gas production, southwest Manitoba and the Hudson Bay lowlands.
- Oil was discovered in Manitoba and has been produced since 1951.
- Manitoba's current oil production is located in southwest Manitoba along the northeastern flank of the Williston Basin, a sedimentary basin that also occupies portions of southern Saskatchewan, North Dakota, South Dakota and Montana.
- Potential hydrocarbon bearing-formations in southwest Manitoba occur to depths of up to 2 300 metres (7,500 feet).
- The majority of the approximately 8,500 wells drilled in Manitoba have only been drilled to Triassic, Mississippian or to the Bakken; this represents approximately one half of the potential hydrocarbon bearing formations.
- Production in 2015 was 2,685,255.3 m³ – 16.9 million Barrels. The month of January 2015 had the highest production at 255,242.3 m³ (1.6 million Bbls) or 51,813 Bbls per day.
- There is over 76 kilometers of core from wells drilled in Manitoba available for examination.
- All pre-1980 oil production originated from Mississippian Lodgepole and Mission Canyon formations at depths that range from 600 to 1 050 metres (2,000 to 3,500 feet). These formations accounted for approximately 68% of Manitoba's cumulative oil production.
- Oil was discovered in 1980 above the Mississippian in the Triassic Amaranth Formation. Approximately 21% of Manitoba's 2015 production originates from the Amaranth Formation in the Pierson-Waskada area.
- In 1985, oil was discovered in the Bakken Formation in the Daly area.
- In 1993, oil was discovered in the Jurassic Melita Formation in the St. Lazare area.
- In 2004, oil was discovered in the Devonian Three Forks Formation in the Daly Field, marking Manitoba's first pre Mississippian Production. In 2015, it accounted for 40% of Manitoba's oil production.
- As of December 31, 2015, Manitoba oil fields have produced a total of 89.27 million m³ (561,772,840 Bbls) of oil.
- The oldest producing well drilled in Manitoba is Daly Unit #3 Prov. 7-12-10-28 which has produced since July 1951. Manitoba's most productive well is 2-21-11-26W1 in North Virden Scallion Unit No. 1 which has produced 2.03 million barrels of oil since June 1955.

- Manitoba's oil is of good quality, and in 2015 the average posted selling price for light sour blend crude was \$351.31 per cubic metre (\$55.83 CDN per barrel). The estimated value of oil sold in 2015 was approximately \$943 million.
- As of December 2015, there are approximately 3,811 producing oil wells in Manitoba, 1648 of which were put on production since January 1, 2006.
- Currently there are 13 designated oil fields and 181 producing oil pools in southwest Manitoba.
- Manitoba's crude oil production is equivalent to approximately 43% of the province's refined petroleum products requirements.
- Approximately 13.4 million m³ (84.6 million barrels) of salt water were produced in 2015, that's 5.0 m³ of salt water for every 1 m³ of crude oil produced. Salt water must be separated from the oil and re-injected into subsurface formations.
- Approximately 599 wells are used for purposes other than production, such as disposal of produced water.
- The current cost to drill and complete a well in Manitoba ranges from \$325,000 to \$1.8 Million depending primarily on depth.
- 205 new wells were drilled in Manitoba during 2015 including 152 horizontal wells; of these wells 181 were cased as potential oil producers, 12 were abandoned dry and one well was completed as a salt water disposal well.
- Only 10 to 15% of the oil discovered in Manitoba is recoverable under natural depletion. Recovery may be increased to over 30% by water flooding.
- As of December 31, 2009, the remaining established oil reserves were estimated to be 9.5 million m³ (59.8 million barrels).
- Approximately 80% of the oil and gas rights are owned by private individuals or companies (freehold), the remaining 20% are owned by the Crown in the right of Manitoba.
- There are gas shows in most of the Cretaceous shale formations continuously throughout southwestern Manitoba. The Favel and Carlile formations have the highest gas content and are the most prospective unconventional gas targets.
- Total oil industry expenditures in Manitoba in 2015 were approximately \$708 million.
- In July 2008, Manitoba approved a first CO₂ Enhanced Oil Recovery project in the Daly-Sinclair Oil Field.

Conversions - cubic metre = 6.29 barrels

1 barrel = 35 gallons (Imperial)