

# 2010 Manitoba Oil Facts

## Did you know that.....

- In 1951 the California Standard Oil Company discovered the first oil producing well in North America's Williston Basin. This well is 15 kms west of Virden. Before the end of 1951, wells drilled around this well confirmed the existence of Manitoba's first major Oil field, the Daly Field (now part of the Daly Sinclair Field). Sixty years later there are thousands of wells in the Williston Basin within Southwest Manitoba, Southeast Saskatchewan, North Dakota, South Dakota and Northern Montana. We now have 13 major Oil Fields in Manitoba with 2970 producing wells (December 2010)
- A record 1,871,207.8 m<sup>3</sup> – 11.7 million Barrels was produced in 2010. The month of Dec 2010 had the highest production on record – 190,595.7 m<sup>3</sup> (1.2 million Bbls) or 38,692 Bbls per day. Total production for first quarter 2011 was 587,887 m<sup>3</sup> - 3.7 million barrels or 41,108 barrels of oil per day.
- There is over 73 kilometers of core from wells drilled in Manitoba available for examination.
- Total historical production as of December 31, 2010, for Manitoba oil fields is 44,928,142 m<sup>3</sup> (282,744,756 Bbls) of oil. The Virden field has produced 53.8% of this total.
- The oldest producing well drilled in Manitoba is Daly Unit #3 Prov. 7-12-10-26 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 1.91 million barrels of oil since June 1955.
- As of December 2010, there are approximately 2,970 producing oil wells in Manitoba, 1520 of which were put on production since January 1, 2006.
- In December 2010, average production rate for producing horizontal wells in the province is 5.23 m<sup>3</sup> per day (32.9barrels per day), compared to an average production rate of .82 m<sup>3</sup> per day (5.2 barrels per day) for vertical wells. During 2010, horizontal wells accounted for 60.8% of the province's total production.
- 174 producing oil pools in southwest Manitoba.
- Manitoba's crude oil production is equivalent to approximately 43% of the province's refined petroleum products requirements.
- The current cost to drill and complete a well in Manitoba ranges from \$325,000 to \$1.2 Million depending primarily on depth.
- 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 m<sup>3</sup> (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.
- Total oil industry expenditures in Manitoba in 2010 were approximately \$892 million
- Tundra Oil & Gas Partnership drilled the first horizontal well in Manitoba on June 28, 1991. The well Tundra Daly Prov. HZNTL 8-30-10-28 WPM was drilled to a measured depth of 1 220.0 metres. It went on production on July 17, 1991 and as of September 2011 was still producing. Over its lifetime the well has produced 15,896.2 m<sup>3</sup> (100,000 barrels) of oil.