



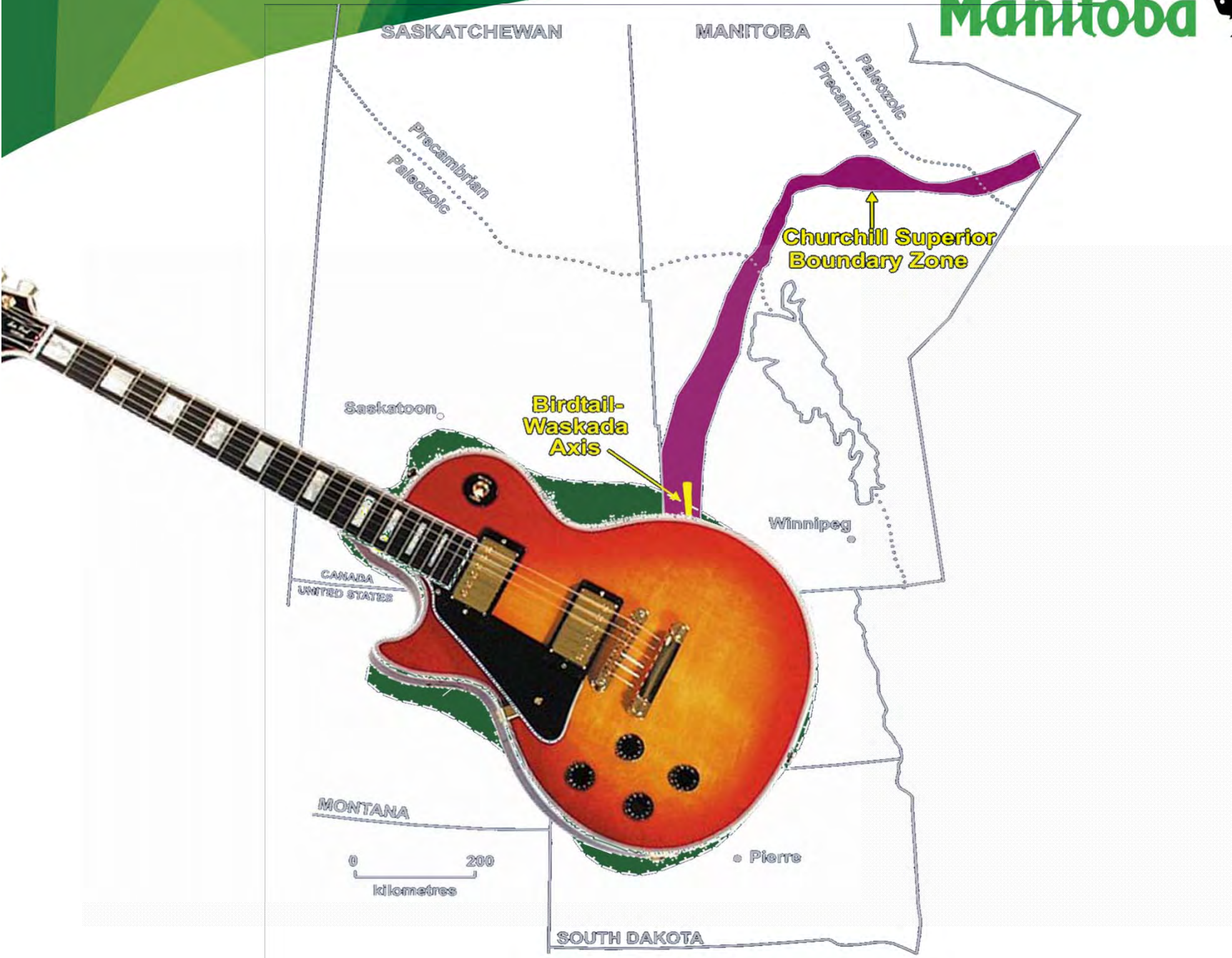
# **Petroleum Branch Manitoba Mineral Resources**

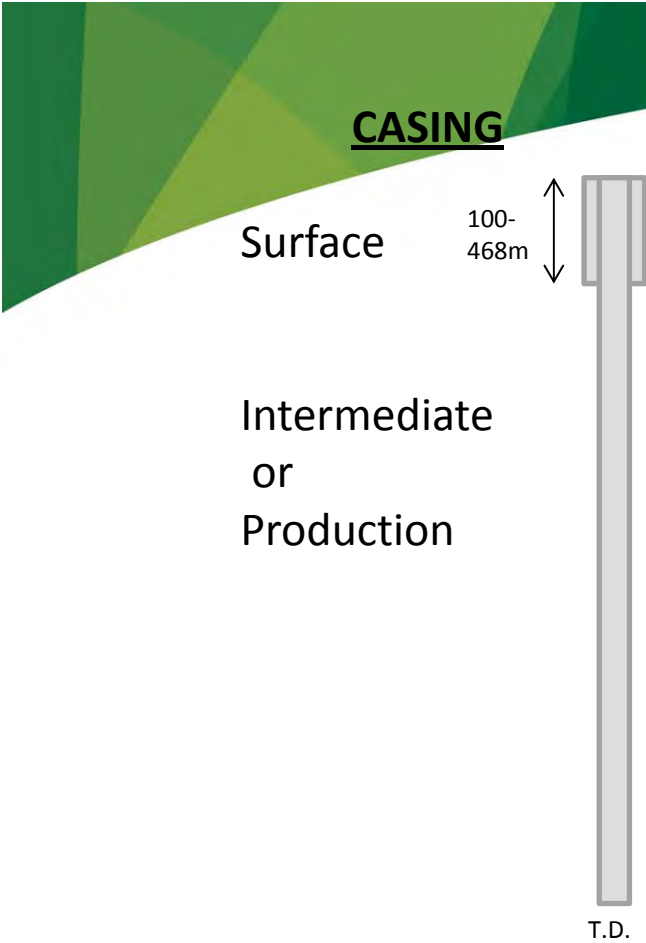
**Williston Basin Petroleum Conference**

April 29, 2015



Manitoba





Period	Formation
Quaternary	Glacial drift
Tertiary	Turtle Mountain
Cretaceous	Boissevain
	Pierre Shale*
	Carlile*
	Favel*
	Ashville*
	Swan River Success
Jurassic	Waskada
	Melita*
	Reston
	Upper Amaranth
Triassic	Lower Amaranth*
Permian	St. Martin Complex
Pennsylvanian	
Mississippian	Charles
	Mission Canyon*
	Lodgepole*
	Bakken*
Devonian	Torquay*
	Birdbear*
	Duperow*
	Souris River*
	Dawson Bay*
	Prairie Evaporite
	Winnipegosis*
	Elm Point
	Ashern
	Silurian
Ordovician	Stonewall
	Stony Mountain*
	Red River*
	Winnipeg*
Cambrian	Deadwood
Precambrian	

Potable water aquifers

Natural gas bearing in Pierson & Waskada

Brackish water aquifer

Oil producing Formations (430-1050m)

• Producing Oil  
\* Oil Shows

## Manitoba's Oil Activity 2014

Wells Drilled – 464  
With 21 rigs working

2014 Oil Production  
16.7 million barrels\*

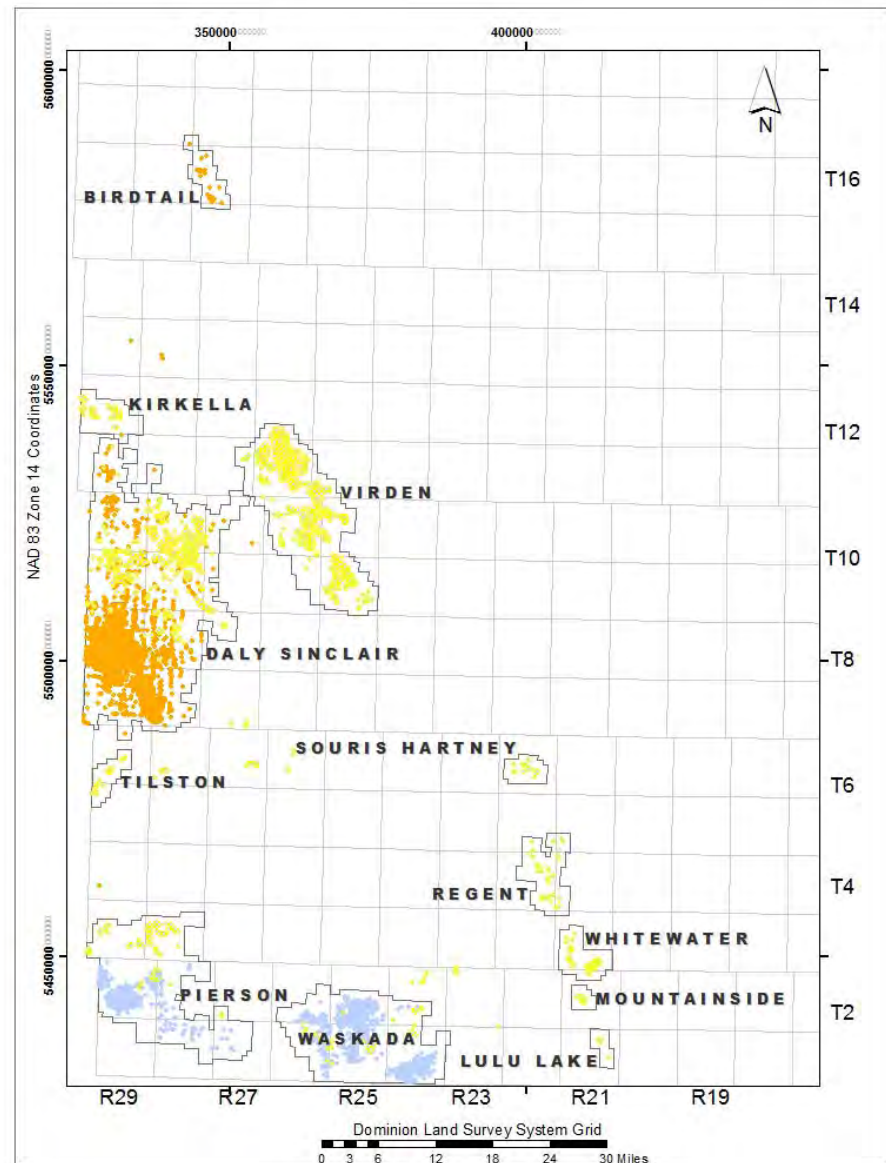
2013 Production  
19.2 million barrels

Primary Drilling targets

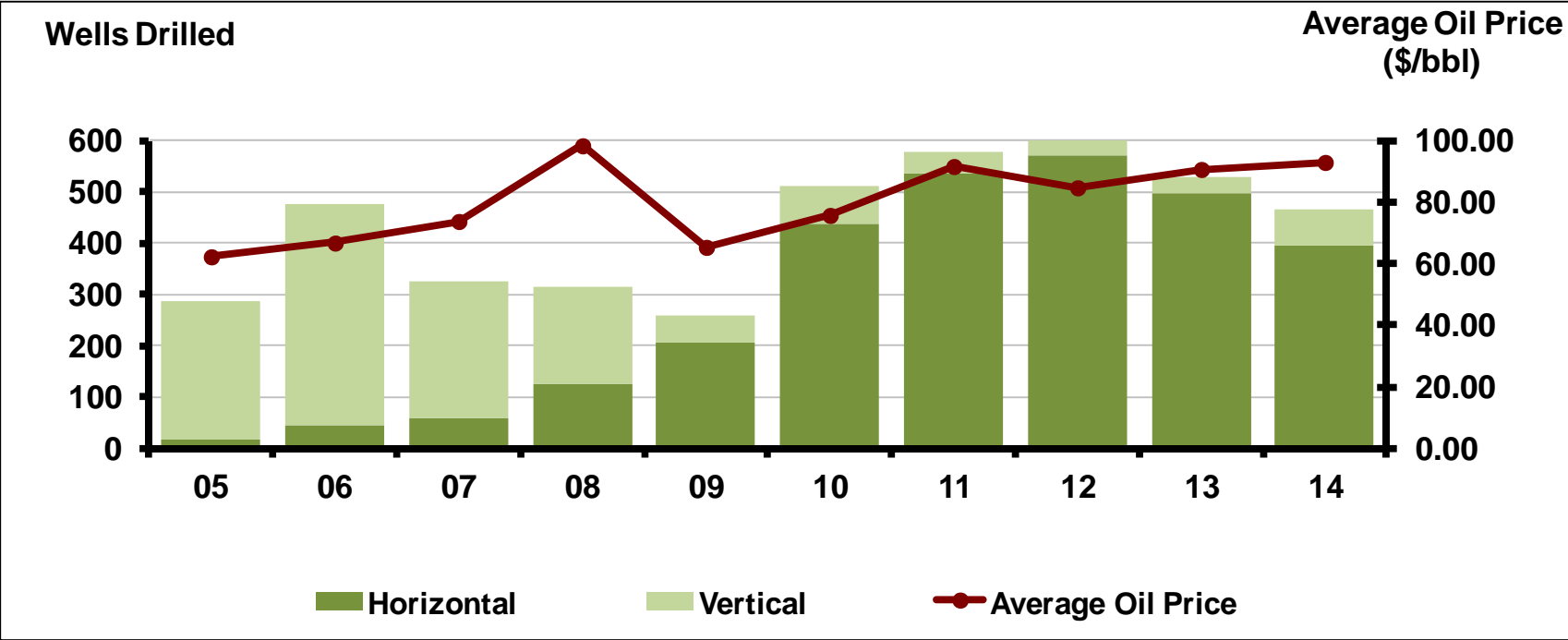
Bakken – Three Forks

Lower Amaranth (Spearfish)

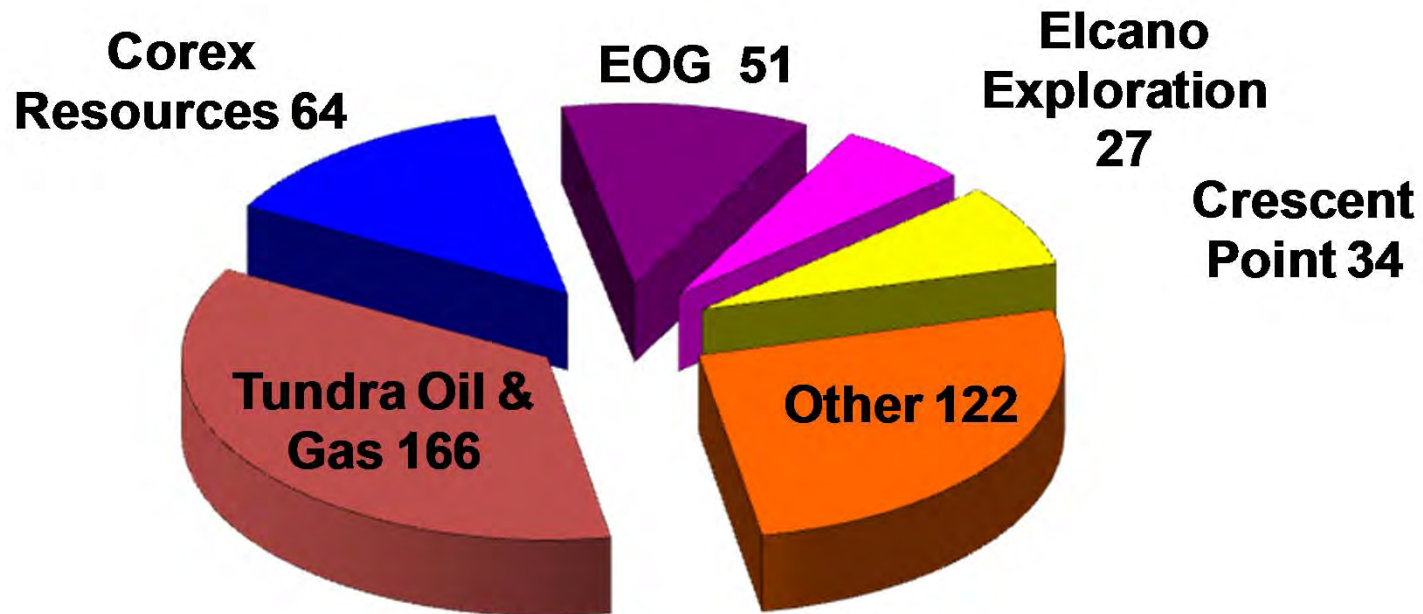
\*not final



# Manitoba Drilling Activity



**Manitoba's Top Drillers – 2014**



464 wells drilled by 28 different companies

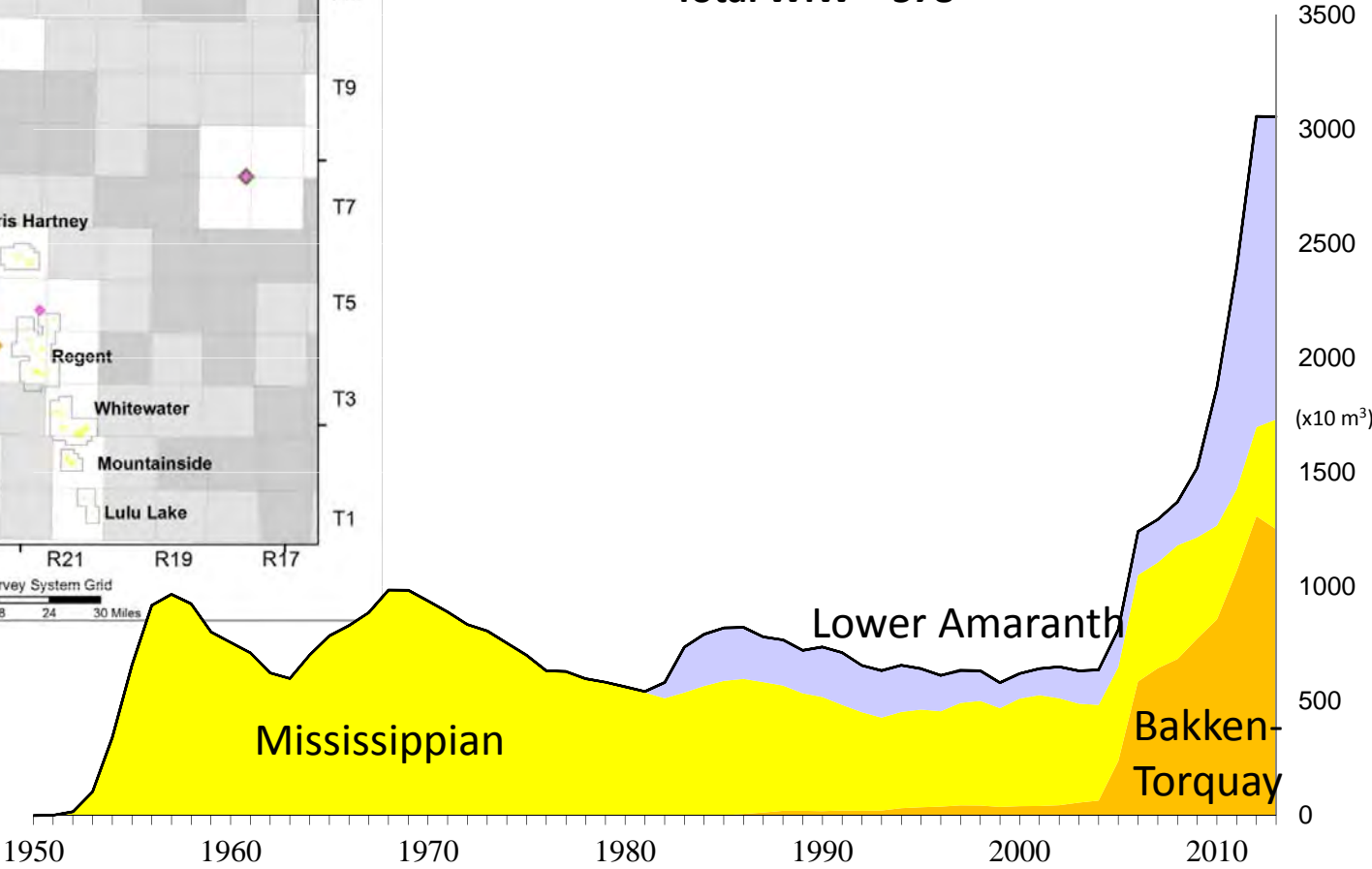
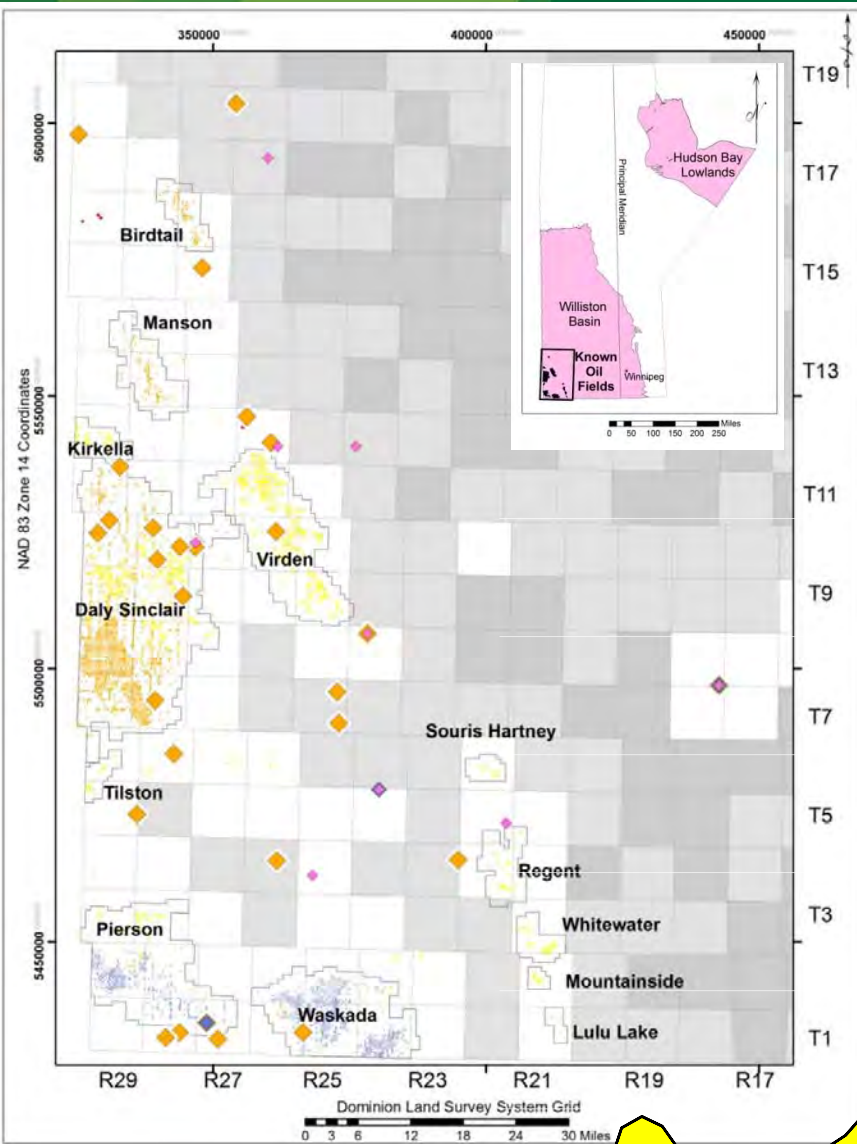
**2013 Wells Drilled = 553**

**2014 Wells Drilled = 464**

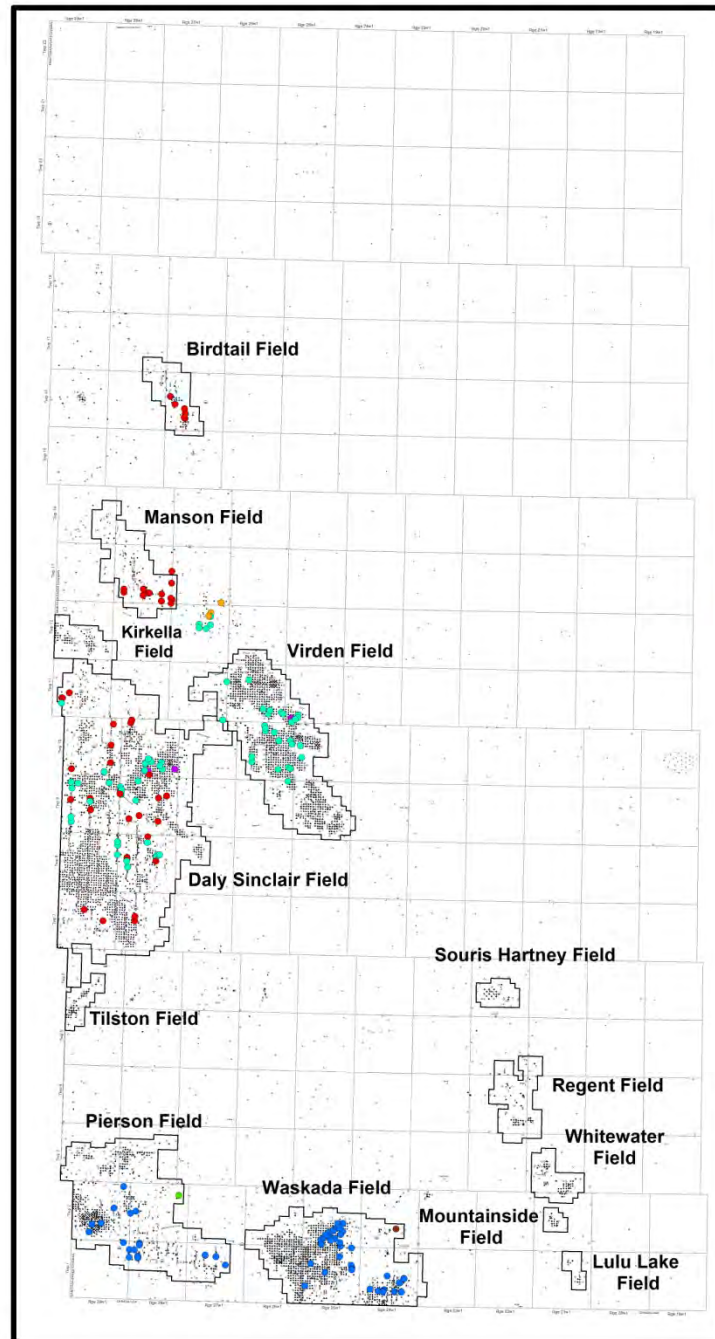
**Total producing wells = 5077**

**Total SWD wells = 105**

**Total WIW = 578**



# Manitoba Oil Fields



## 2014 Wells Drilled by Formation

Well Count = 235

-  Amaranth (82)
-  Bakken (61)
-  Birdbear (3)
-  Lodgepole (84)
-  MC3B (1)
-  Mission Canyon (1)
-  Reston (3)

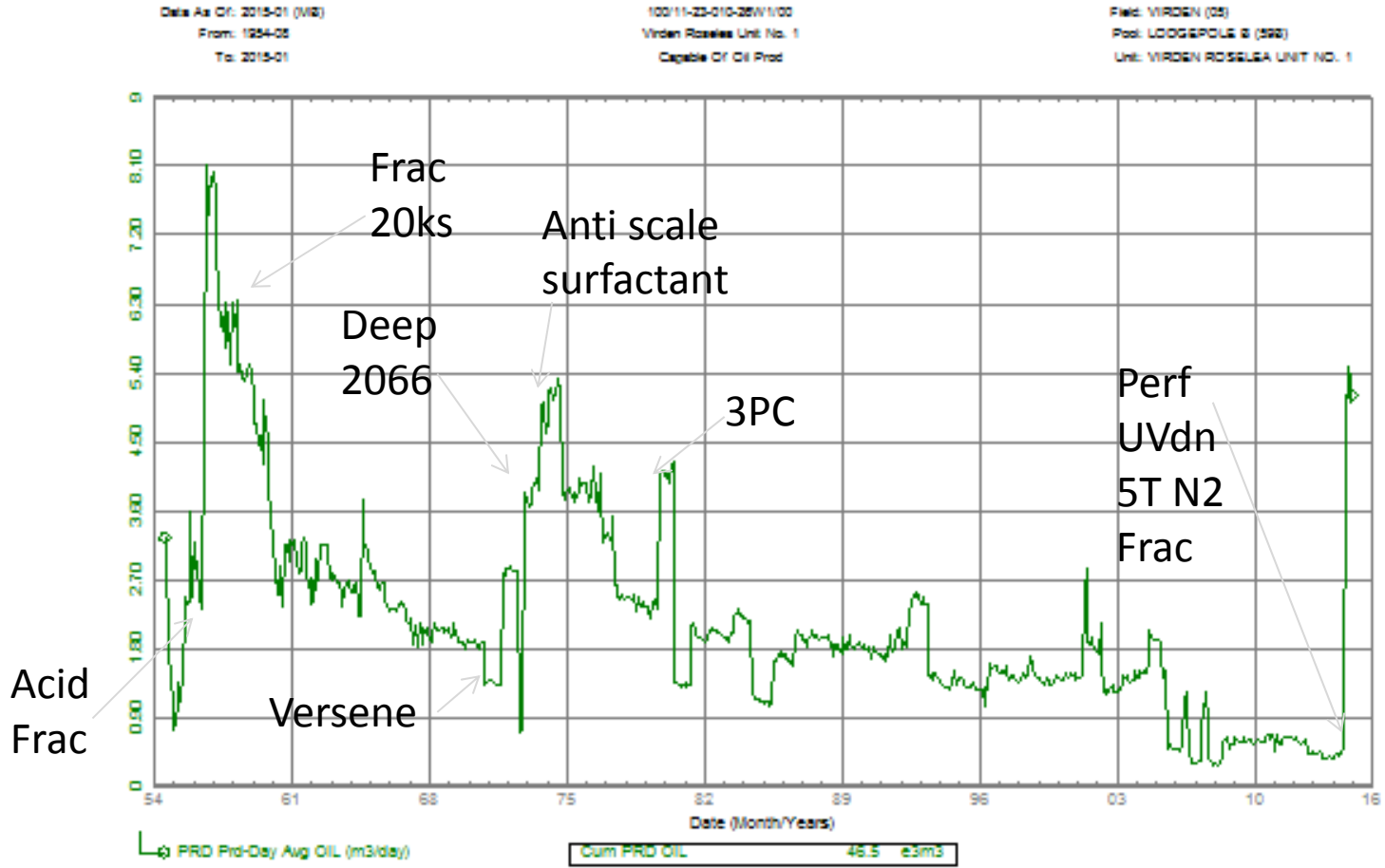


## Recompletions

- 64 wells recompleted in 2014
- These were wells perforated in new zones
- The Virden/Daly field was the prime area for this activity



# Recompletions



## Impact for Manitoba

- 2014
  - \$22 million – provincial revenues
  - \$195.9 (2013) million in freehold minerals
  - \$11.4 million to RM's
  - \$1.0 billion industry expenditures
- Since 1951 to Dec 31, 2014
  - 8682 wells drilled
  - 56.1 M3 (352.7 million bbls) produced



## Petroleum Outlook 2015

- \$700 million expenditures
- Anticipate 280 wells
- Production estimated at 47,000 bopd
- To date drilling is down 25% over last year





We want to hear from you!

**[Petroleum@gov.mb.ca](mailto:Petroleum@gov.mb.ca)**

**Manitoba** 