NORTH DAKOTA UPDATE

• February production 21.8 million barrels of oil or 778,971 barrels/day. (NEW all-time high)

• 23.8 Billion cubic feet of natural gas or 850 million cubic feet/day.
  • About 30% of natural gas is still flared a month, due to lack of gathering infrastructure.
NORTH DAKOTA UPDATE

180+ Rigs
8,492 producing wells
5,312 Bakken wells
NORTH DAKOTA UPDATE

• 1,100 to 2,700 wells/year = 2,000 expected
  – 170 rigs = 20,000 temporary drilling jobs
  – Another 12,000 temporary jobs building infrastructure
  – 2,000-3,000 permanent jobs added each year

  – 170 rigs can complete the first phase of drilling in 14 months
  – 170 rigs will require more than 21 years to complete phase 2 drilling

  – 2,000 new wells per year require 11-22 million gallons of frac water per day

  – 40,000-45,000 new wells = 40,000-70,000 long term jobs
NORTH DAKOTA UPDATE

North Dakota Oil Production

Possible 225-250 rigs

Proven
765,000 BOPD 60 rigs

Barrels per Day


History
Bakken - Three Forks P10
Bakken - Three Forks P90
NORTH DAKOTA UPDATE

• Future:
  • As of April 2013, Department Director Lynn Helms had signed 530 Administrative Orders for multiple well pads, with 334 cases pending.
  • Each order averages 7 wells per pad, but some up to 18 and possibly 24.
    • To date the largest permitted pad, 14 wells.
  • 6,000 future wells already approved or pending.
NORTH DAKOTA UPDATE

• Spotlight on the Bakken: Media Coverage
  • National Geographic
  • New York Times
  • The Globe and Mail (Canada)
  • BBC
  • Daily: California, Florida, New York, Washington, D.C., Colorado
  • Inquiries from Australia, France, Germany, Japan, United Kingdom, Poland