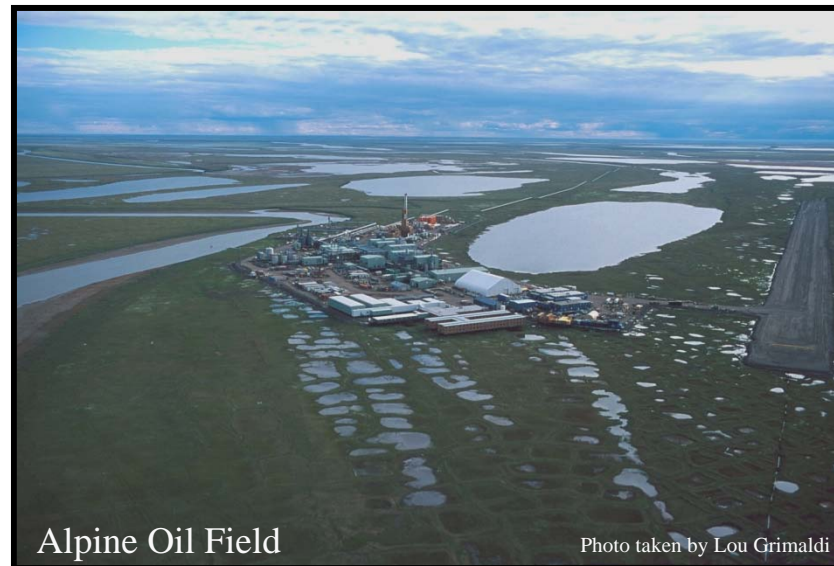


# Alaska Oil and Gas Conservation Commission (AOGCC)

333 W. 7<sup>th</sup> Ave., Ste. 100  
Anchorage, AK 99501  
(907)279-1433

**[www.aogcc.alaska.gov](http://www.aogcc.alaska.gov)**



**Daniel T. Seamount – Geology Commissioner, Chair**  
**Cathy P. Foerster - Engineering Commissioner**  
**John K. Norman – Public Member Commissioner**

## Alaska Oil and Gas Conservation Commission

- AOGCC Mission
- Charts and Statistics
  1. Historical O & G Activity
  2. Drilling Permits (the Plan)
  3. Drilled Wells and Well Work (the Actual Work)
- The Future

# Alaska Oil & Gas Conservation Commission (AOGCC)

Quasi-judicial State regulatory agency

- Oversight for underground oil & gas operations
  - Private and public lands in Alaska
  - Exercises police power of the State
- Regulate drilling and production for oil, gas & geothermal resources

# AOGCC Mission

- Prevent waste of energy resources (Oil, Gas, Geothermal)
- Promote greater ultimate energy resource recovery
- Protect underground fresh water from damage caused by oil, gas, and geothermal operations
- Protect human safety
- Protect correlative rights

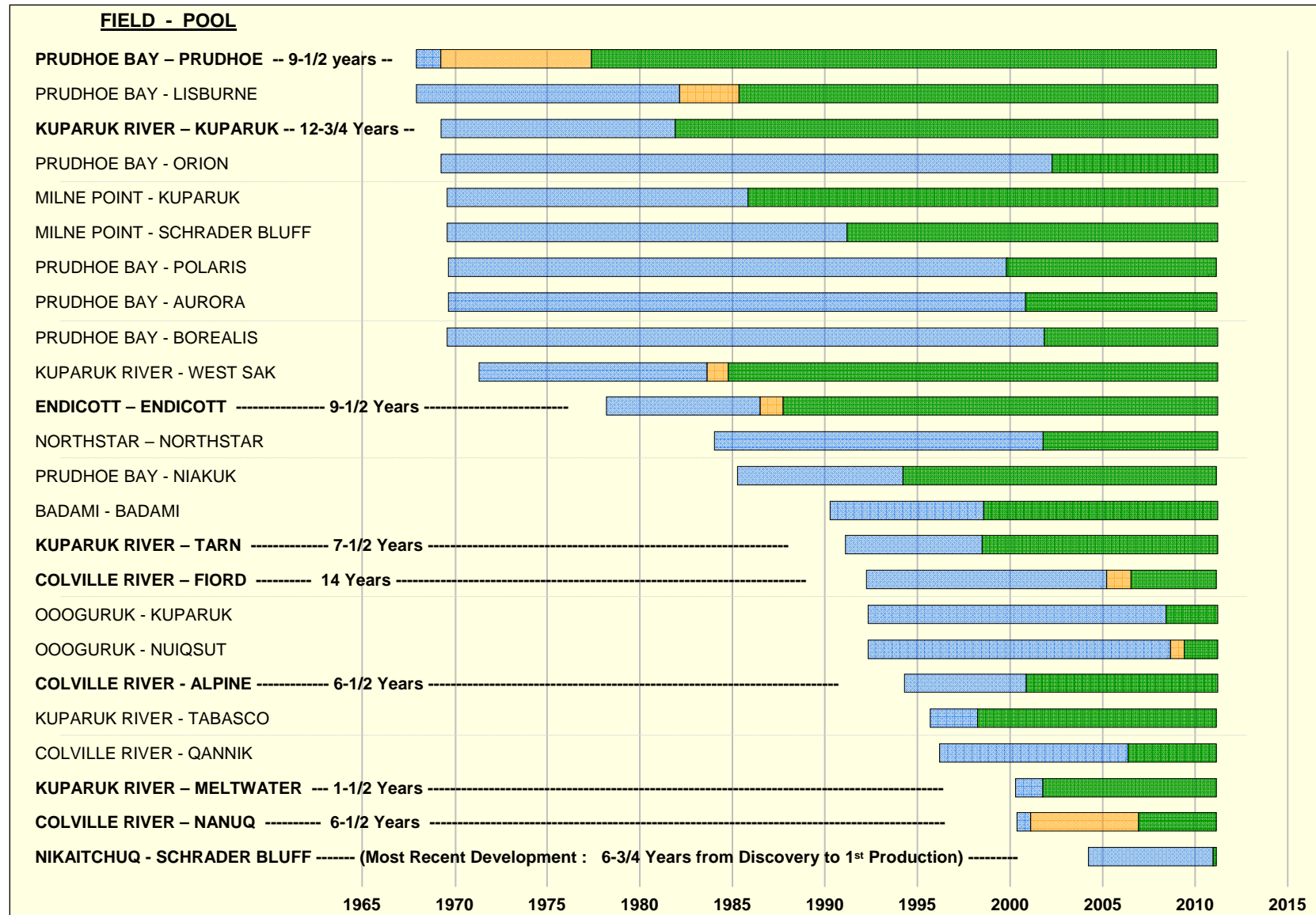
# AOGCC Jurisdiction

- Oil and gas resource development
- Geothermal resource development
- Underground storage of natural gas
- Metering accuracy for custody transfer

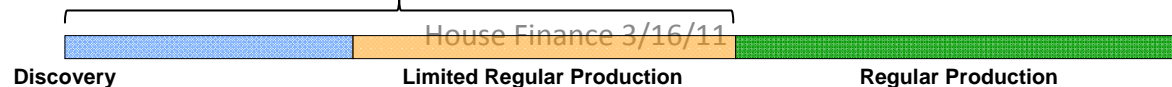
# Types of AOGCC Permits/Decisions

- Drilling- 2300+ last 10 years
- Wellwork- 4000+ last 10 years
- Underground Injection (EOR, Waste disposal, Gas Storage)- 46 last 10 years
- Conservation Orders (mainly Pool Rules)- 192 major orders plus 100's more modifications over last 10 years
- Special development considerations (dispute adjudication, gas flaring, safety equipment, and others)- 67 last 10 years

# Development Timeline for North Slope Oil Fields



Average = 11 years (neglecting the 5 longest)

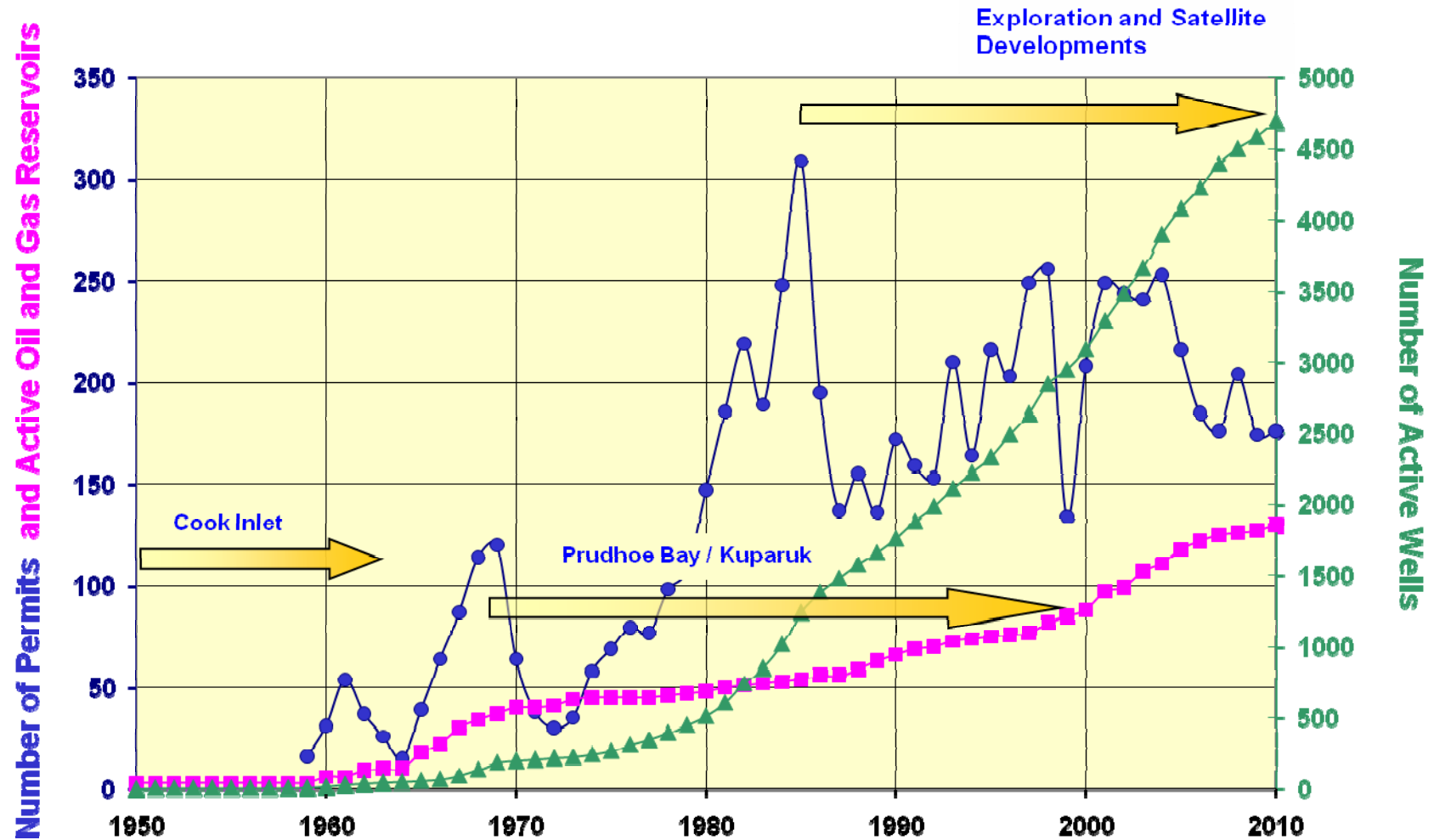


## Alaska Oil and Gas Conservation Commission

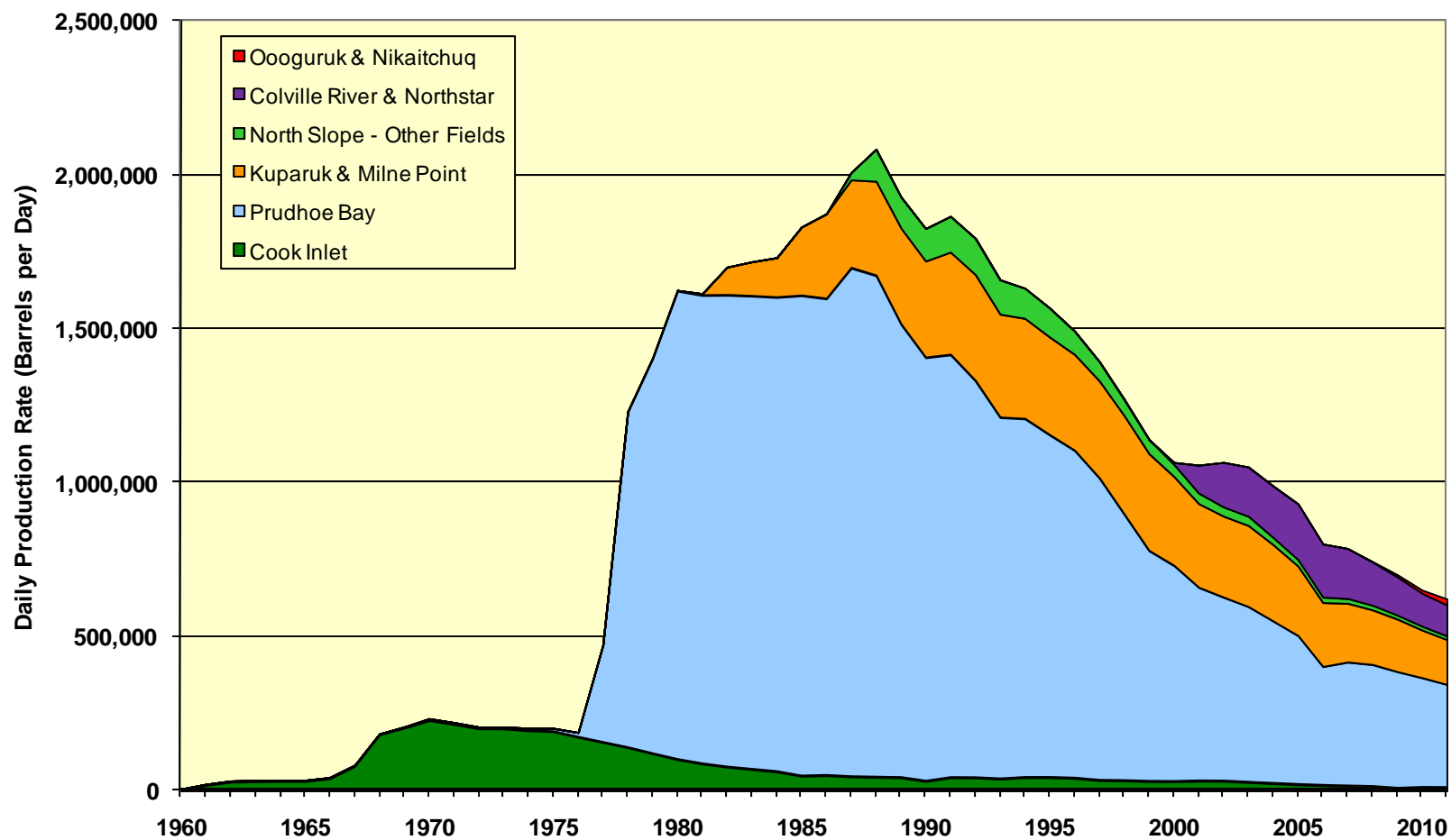
- AOGCC Mission
- **Charts and Statistics**
  1. **Historical O & G Activity**
  2. Drilling Permits (the Plan)
  3. Drilled Wells and Well Work (the Actual Work)
- The Future



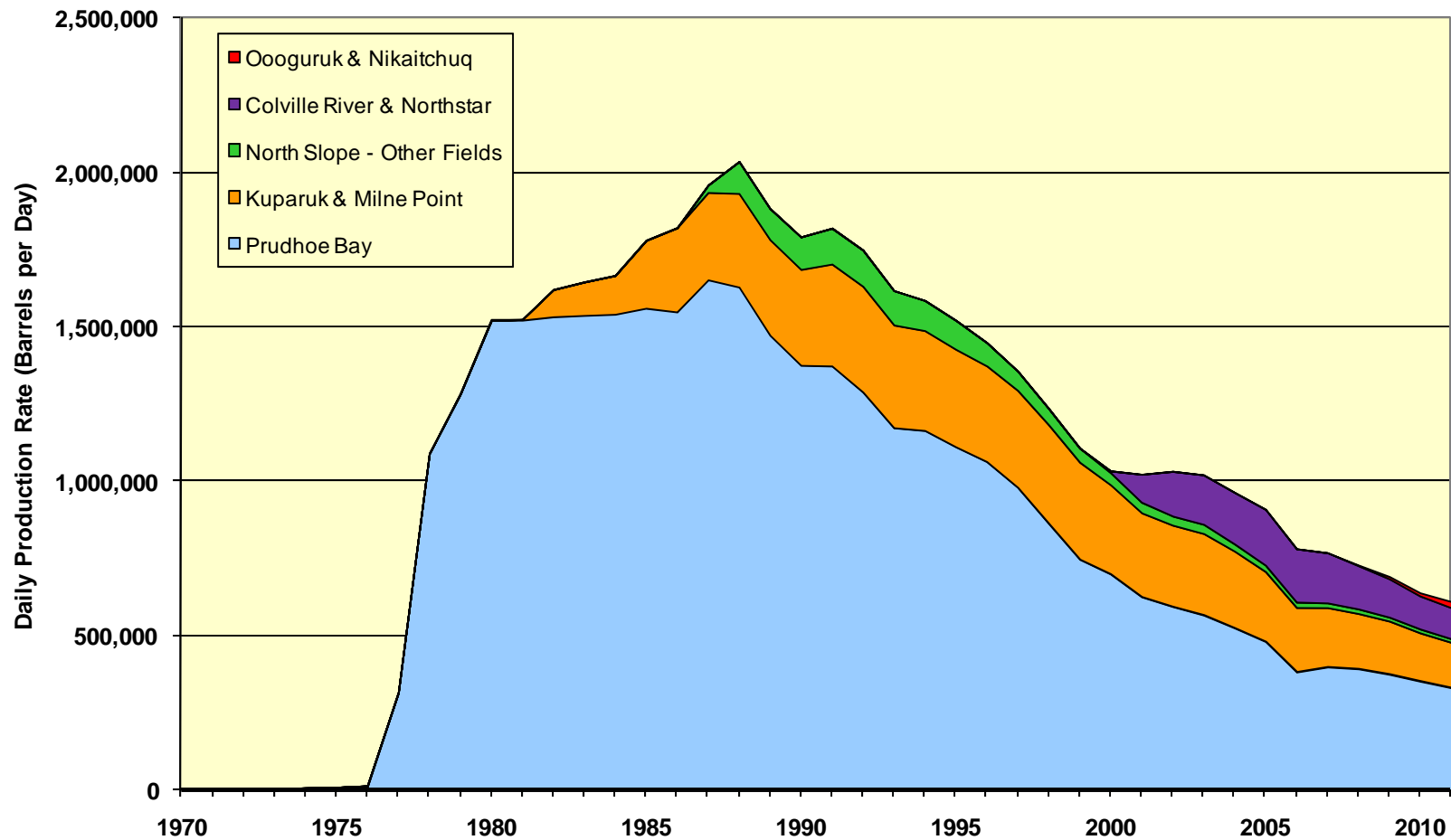
# Alaska Oil & Gas Activity



## Alaska's Average Daily Oil & NGL Production Rate



## North Slope Average Daily Oil & NGL Production Rate



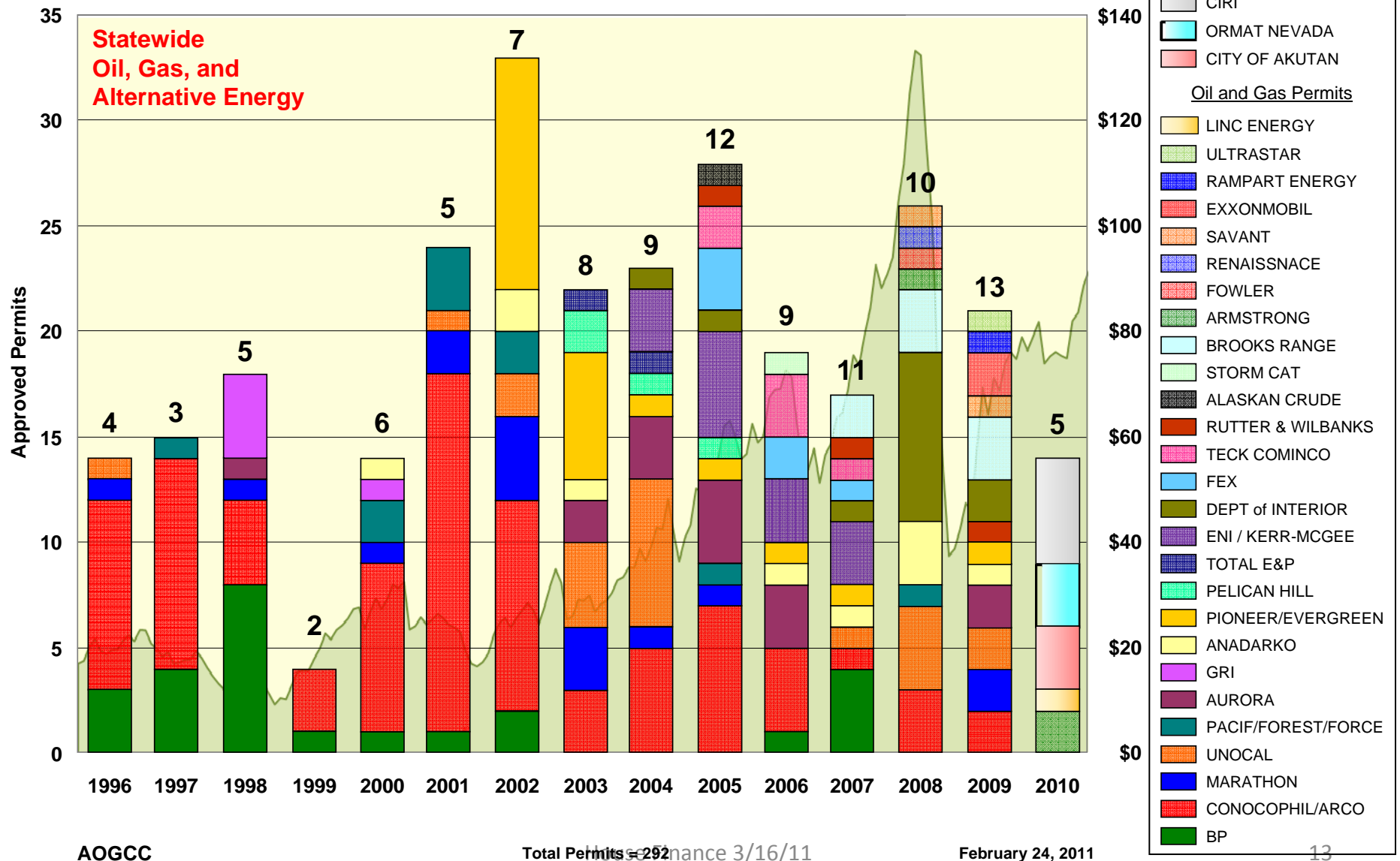
## Alaska Oil and Gas Conservation Commission

- AOGCC Mission
- Charts and Statistics
  1. Historical O & G Activity
  - 2. Drilling Permits (the Plans of interested serious potential investors)**
  3. Drilled Wells and Well Work (the Actual Work)
- The Future

# EXPLORATORY WELL PERMITS (1996 - 2010)

## Statewide: Oil, Gas, and Alternative Energy

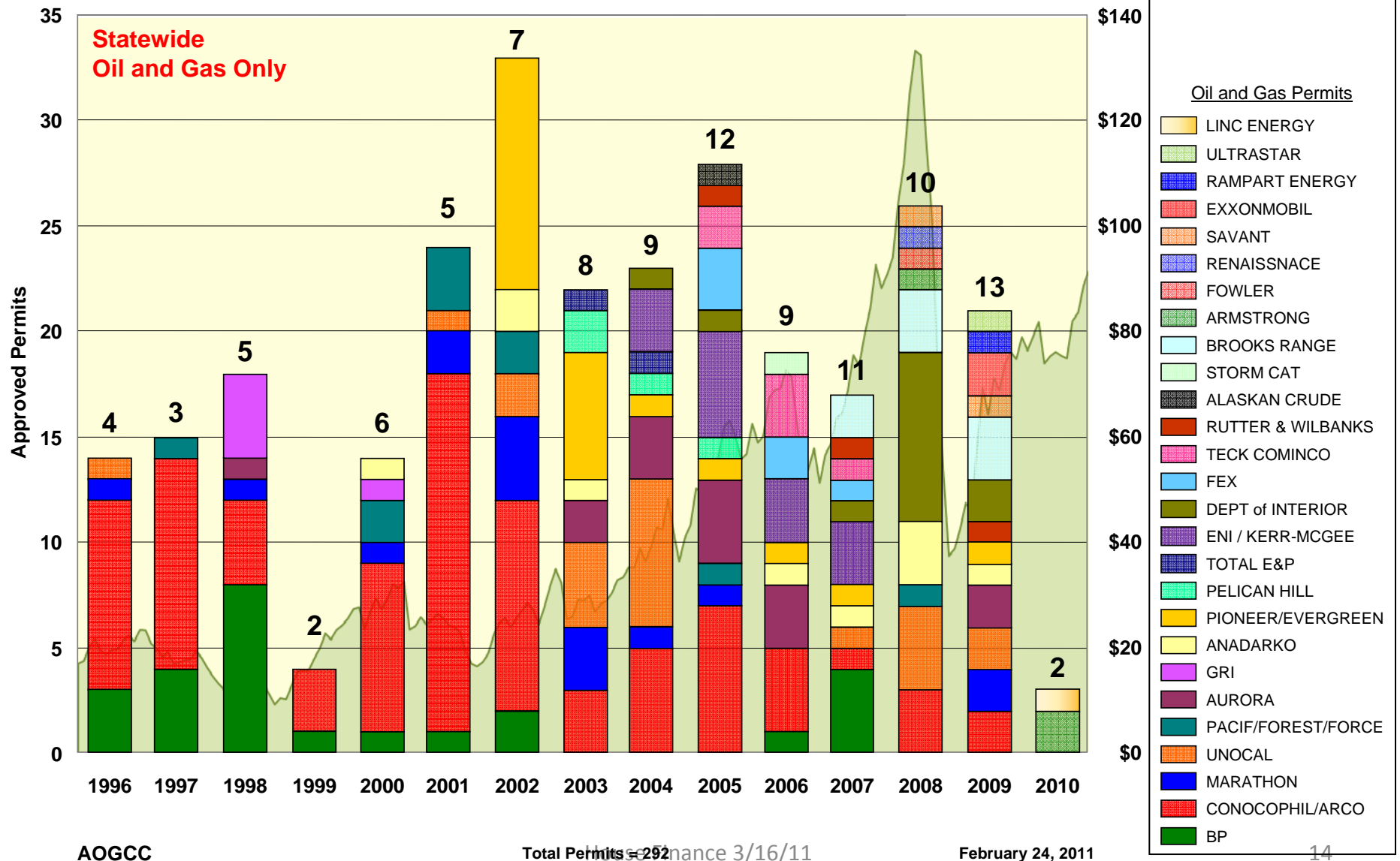
with West Coast Spot Price for Alaska North Slope Crude Oil (Dollars per Barrel)



# EXPLORATORY WELL PERMITS (1996 - 2010)

## Statewide: Oil and Gas

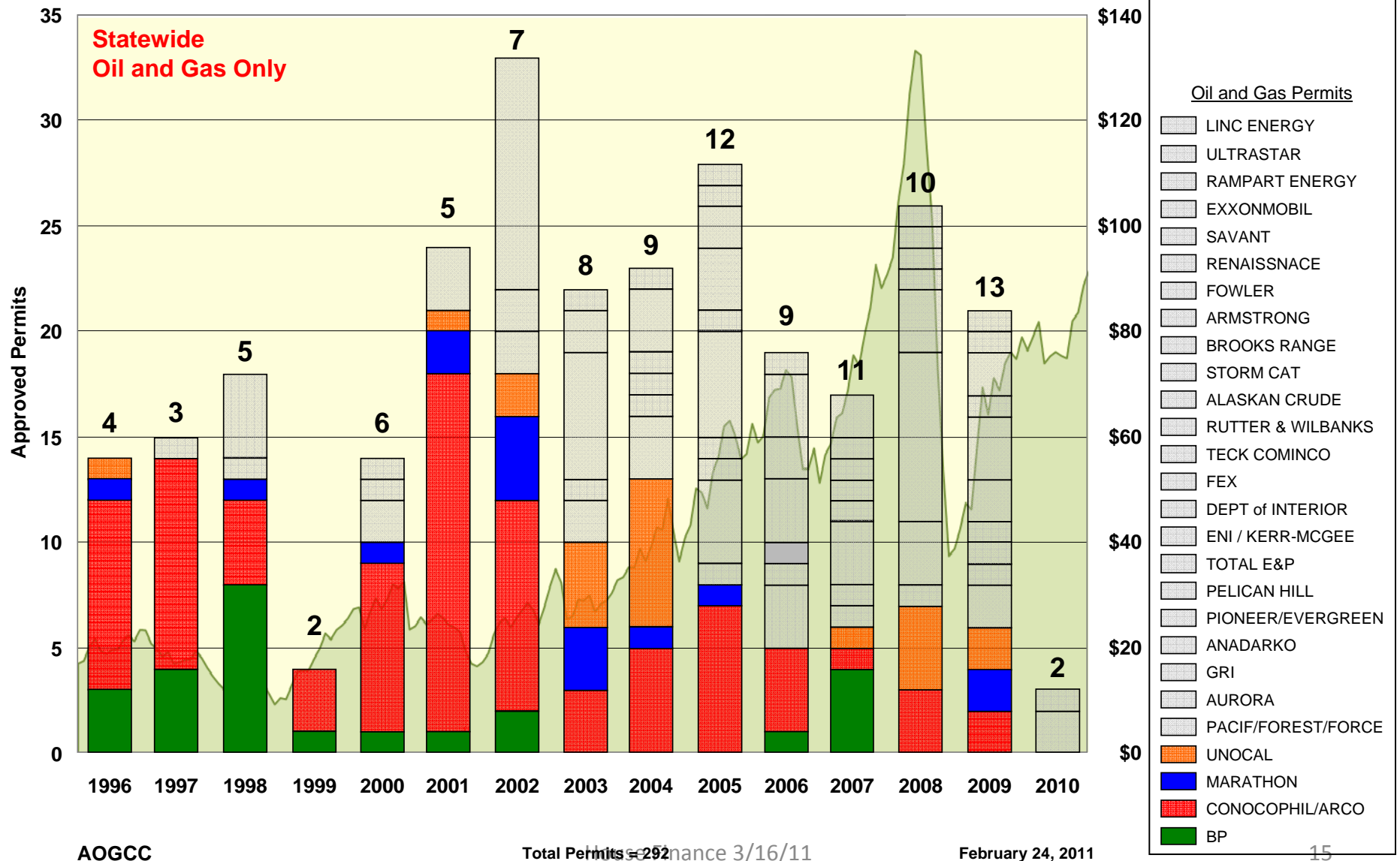
with West Coast Spot Price for Alaska North Slope Crude Oil (Dollars per Barrel)



# EXPLORATORY WELL PERMITS (1996 - 2010)

## Statewide: Oil and Gas

with West Coast Spot Price for Alaska North Slope Crude Oil (Dollars per Barrel)

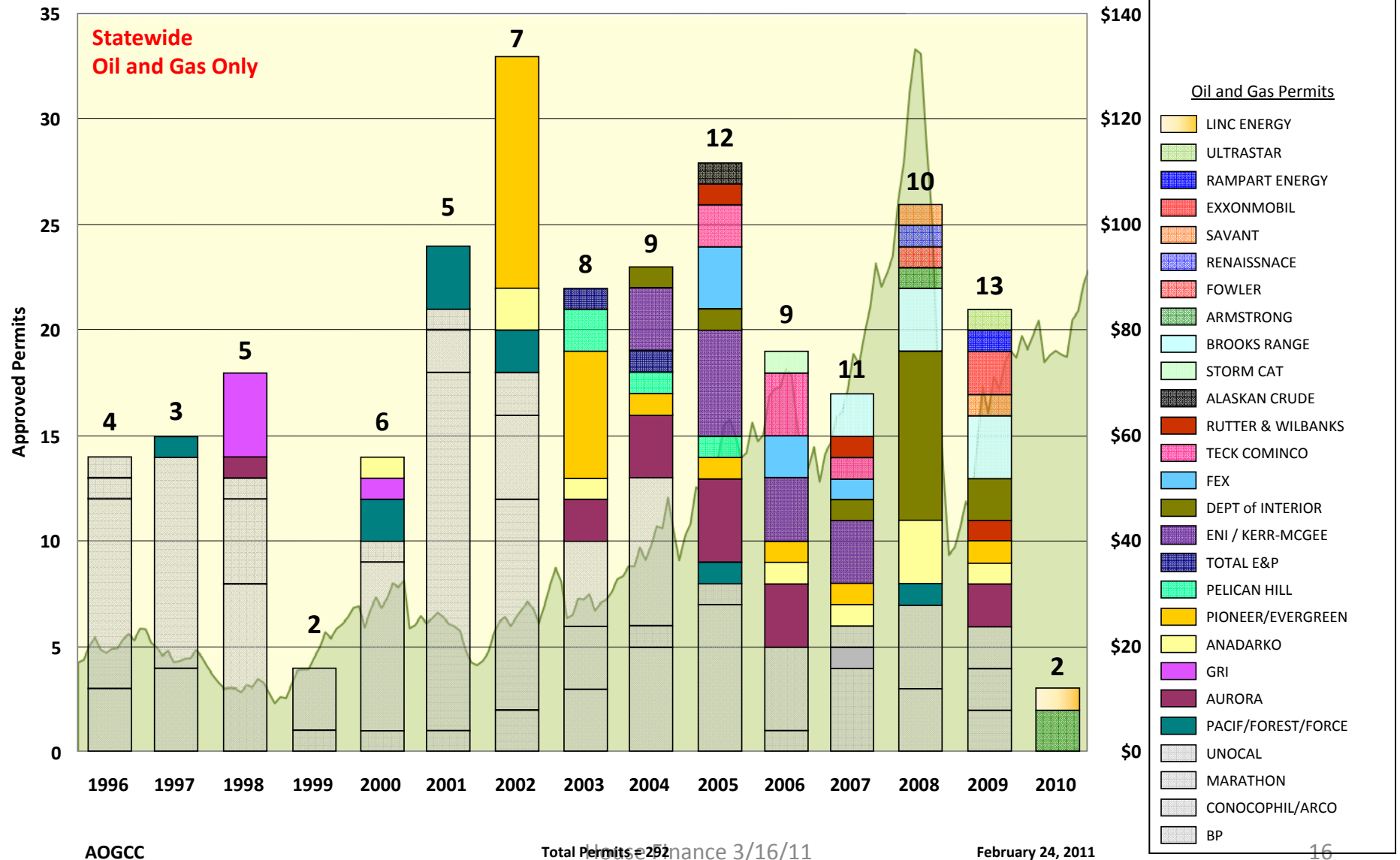




# EXPLORATORY WELL PERMITS (1996 - 2010)

## Statewide: Oil and Gas

with West Coast Spot Price for Alaska North Slope Crude Oil (Dollars per Barrel)

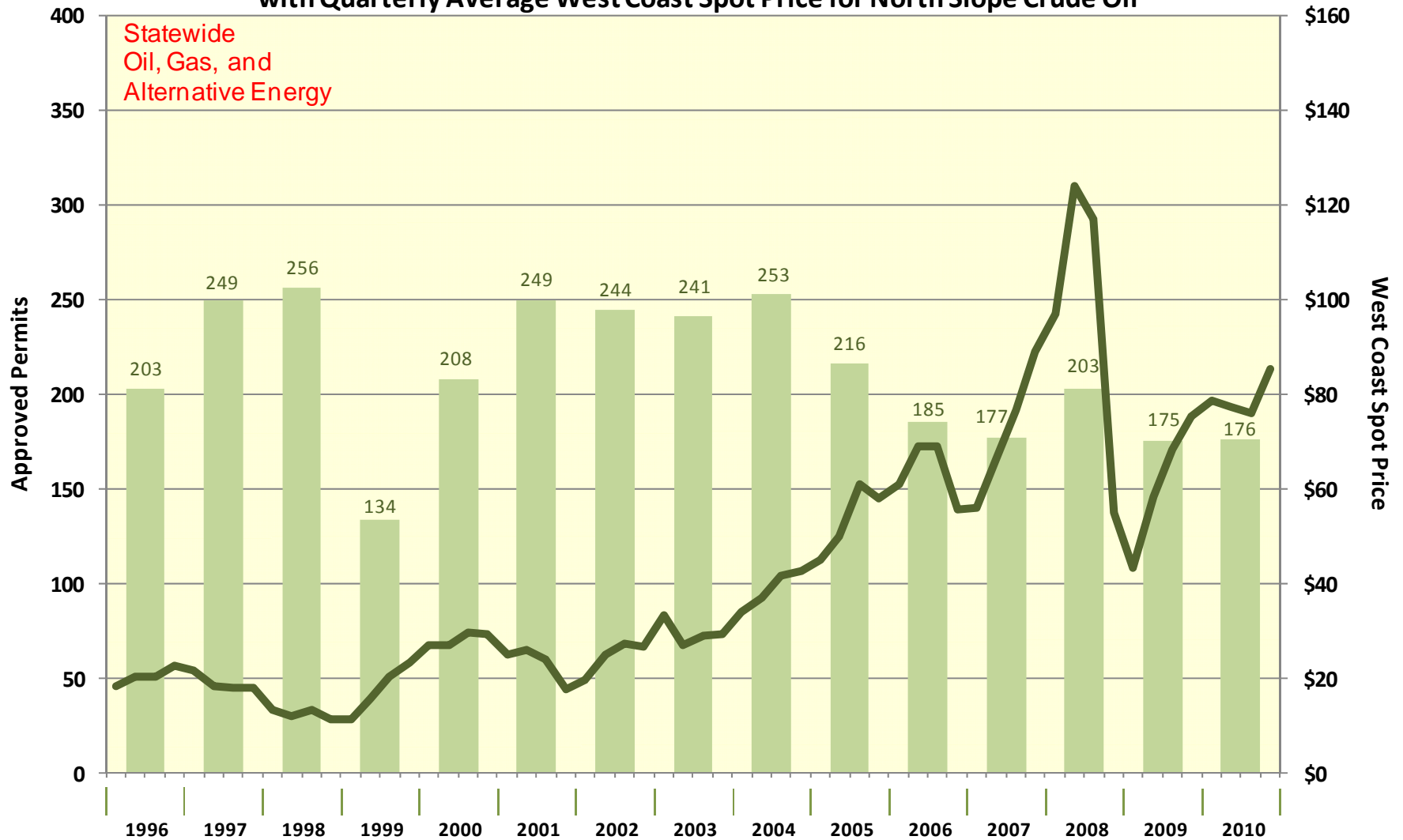




# Approved Permits to Drill for Each Year (1996 - 2010)

## Statewide: Oil, Gas and Alternative Energy Wells and Wellbores

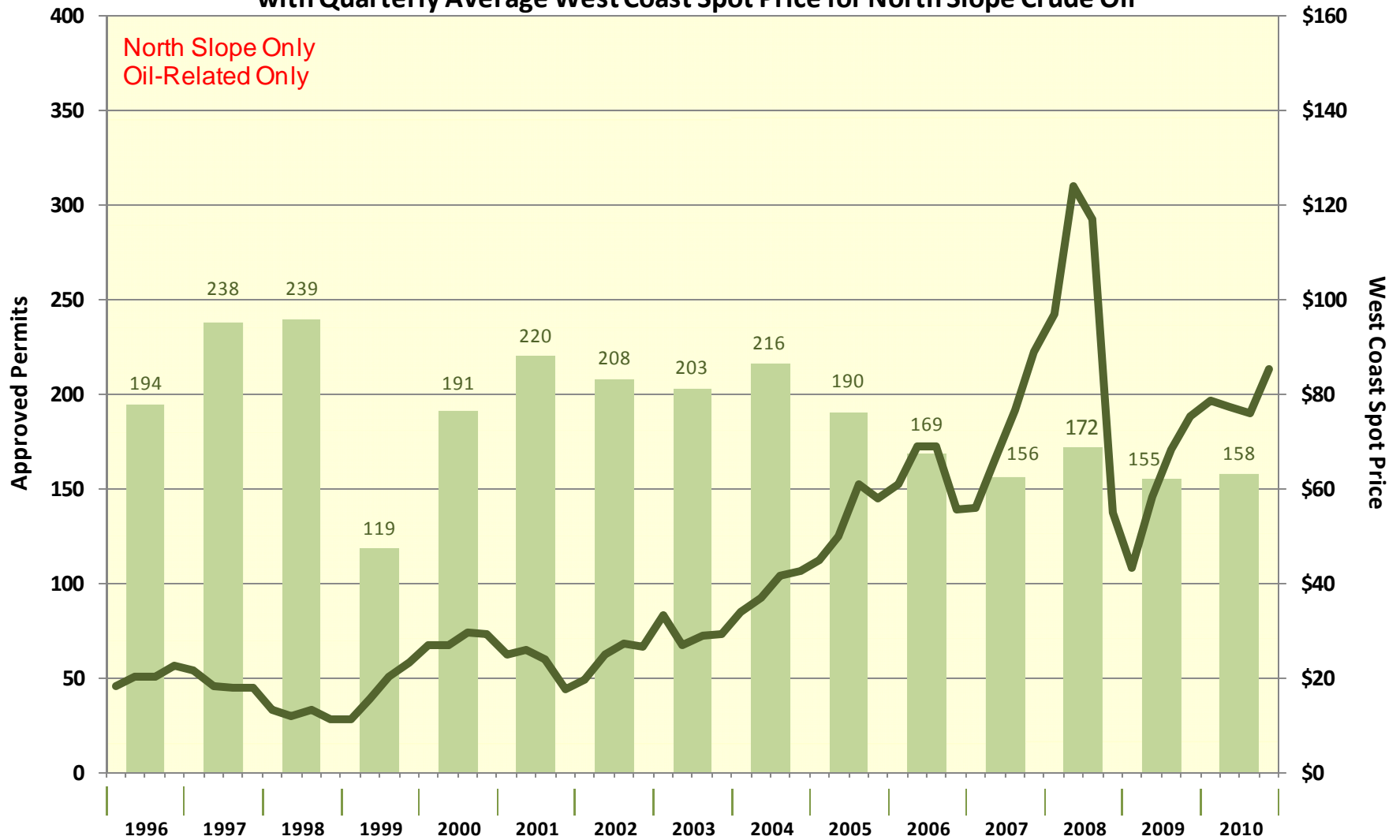
### with Quarterly Average West Coast Spot Price for North Slope Crude Oil



# Approved Permits to Drill for Each Year (1996 - 2010)

## North Slope: Oil-Related Wells and Wellbores

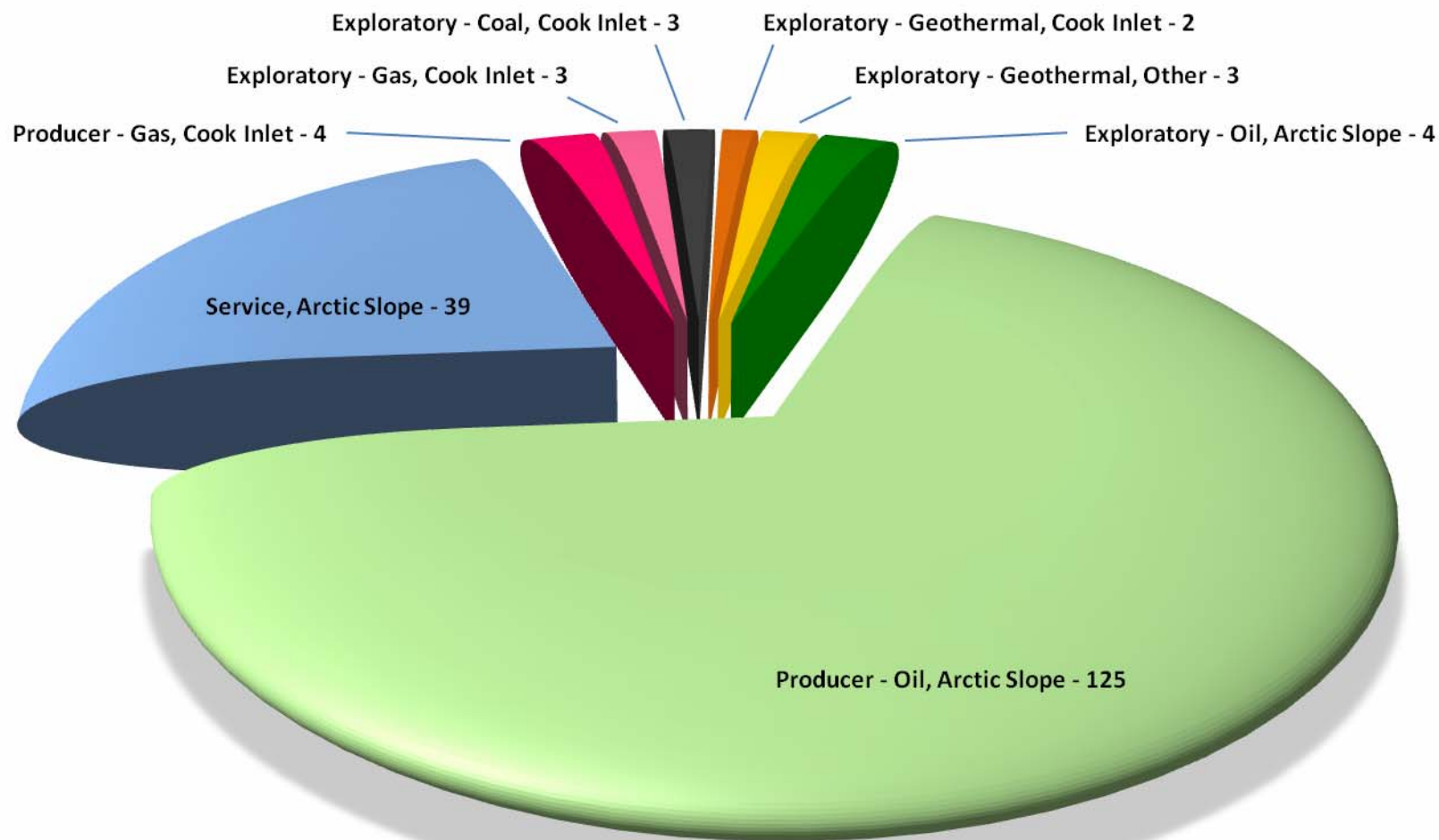
with Quarterly Average West Coast Spot Price for North Slope Crude Oil



## Alaska Oil and Gas Conservation Commission

- AOGCC Mission
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  1. Historical O & G Activity
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- The Future

# Alaska 2010 Wells and Wellbores\*

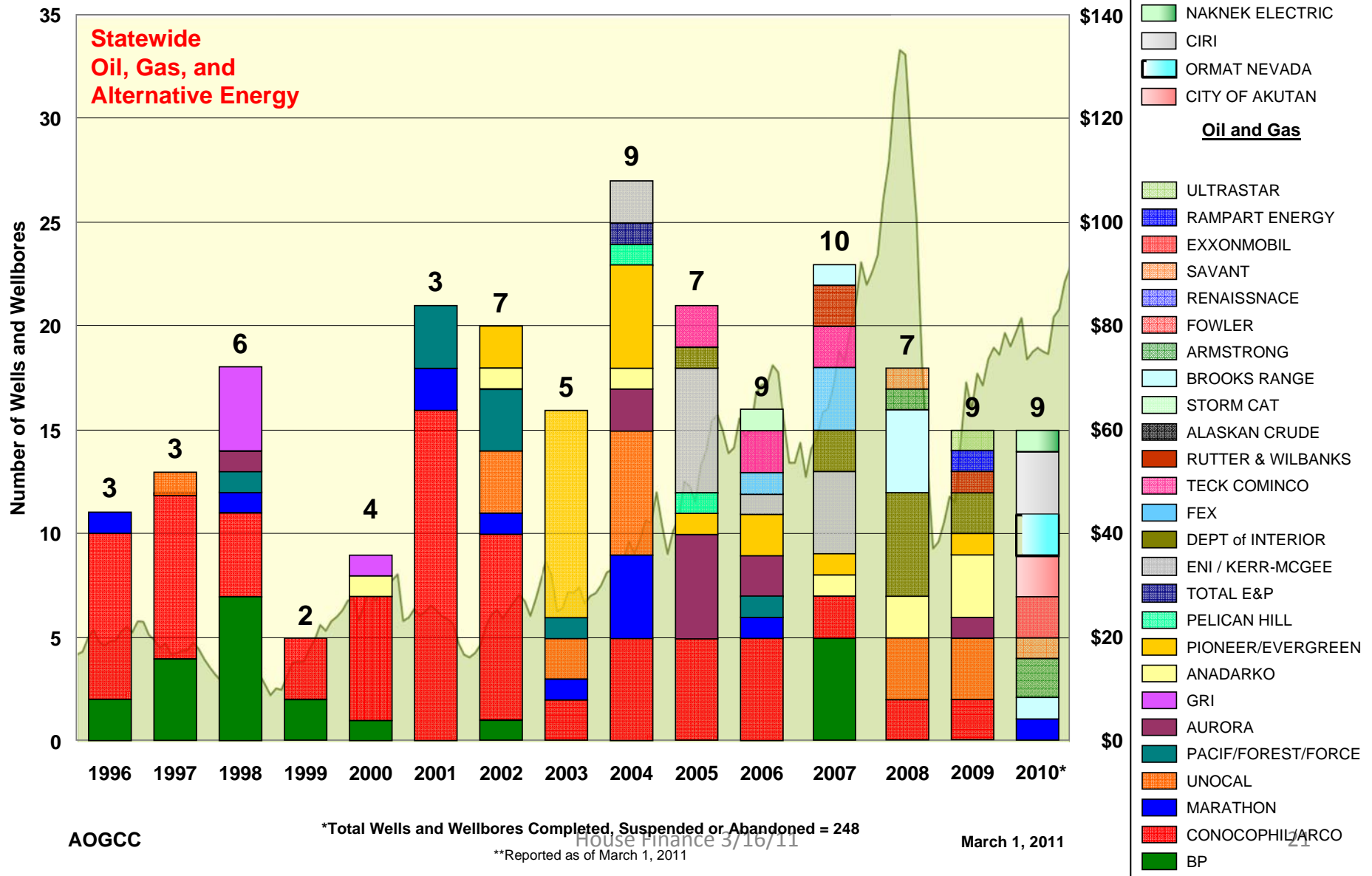


**Total = 183\*\***

# EXPLORATORY WELLS AND WELLBORES

Statewide: Completed, Suspended or Abandoned (1996 - 2010)\*

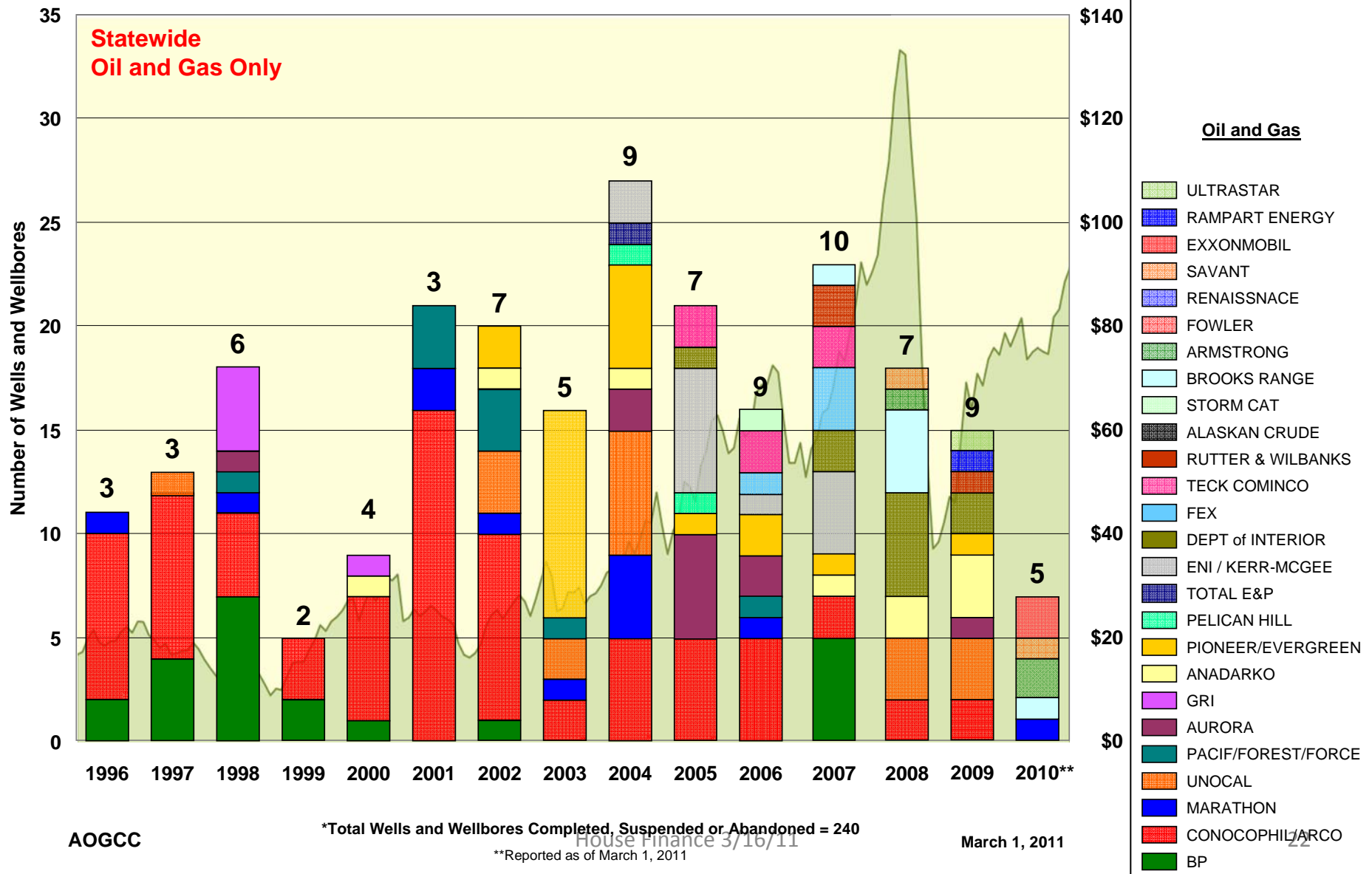
with West Coast Spot Price for Alaska North Slope Crude Oil (Dollars per Barrel)



# EXPLORATORY WELLS AND WELLBORES

## Oil and Gas: Completed, Suspended or Abandoned (1996 - 2010)\*

with West Coast Spot Price for Alaska North Slope Crude Oil (Dollars per Barrel)

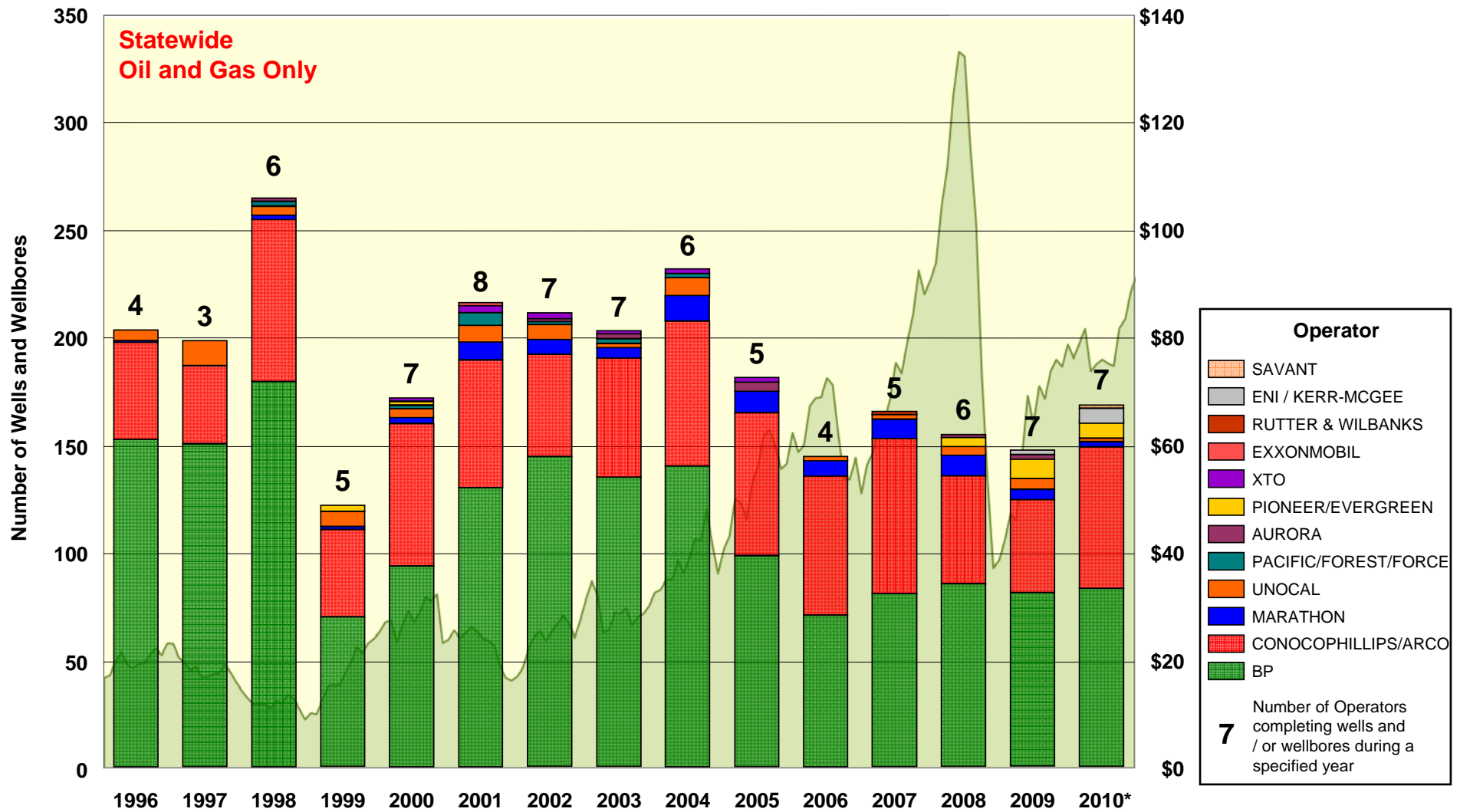




# DEVELOPMENT AND SERVICE WELLS / WELLBORES

## Statewide: Completed, Suspended or Abandoned (1996 - 2010)\*

with West Coast Spot Price for Alaska North Slope Crude Oil (Dollars per Barrel)

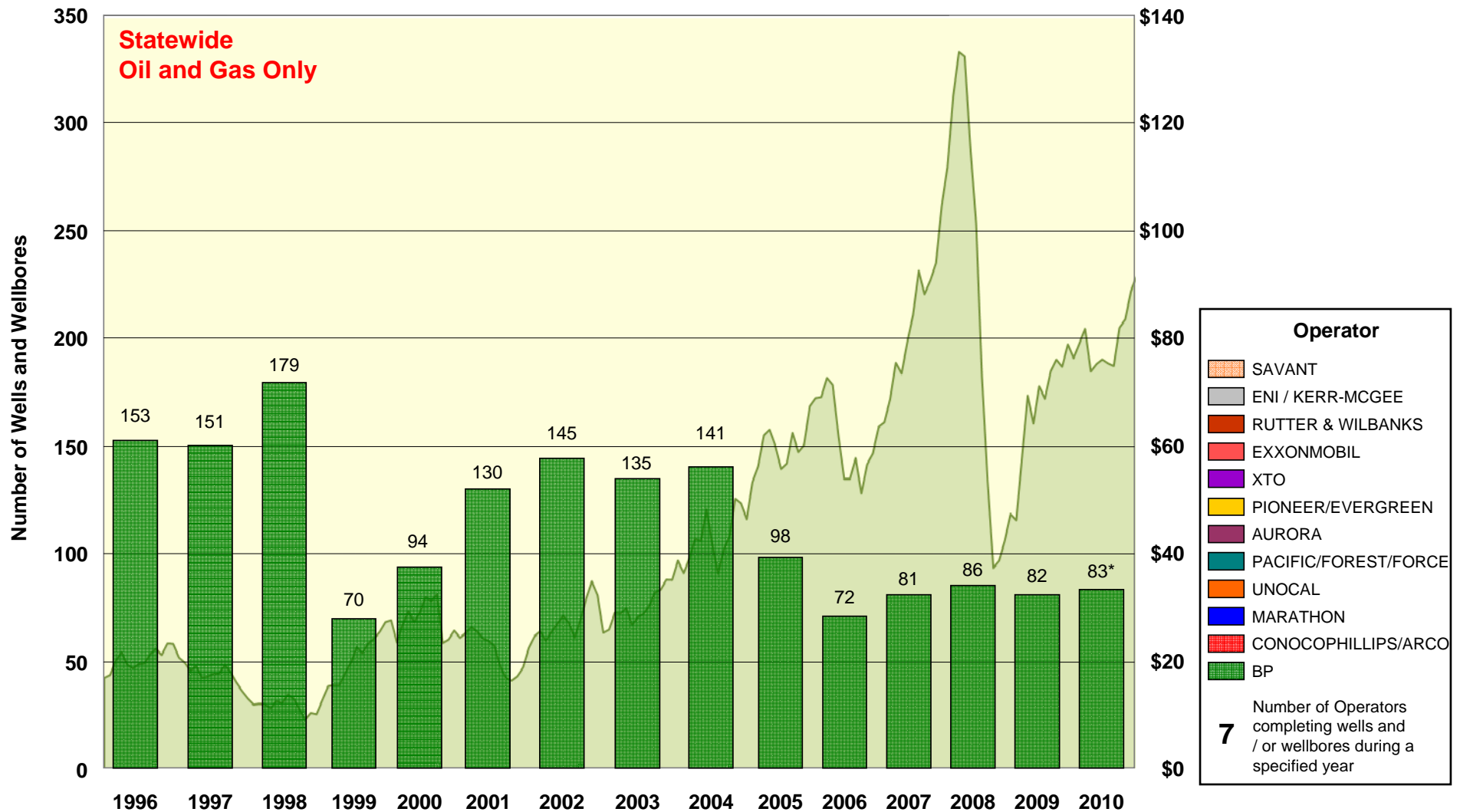


# DEVELOPMENT AND SERVICE WELLS / WELLBORES

## Statewide: Completed, Suspended or Abandoned (1996 - 2010)\*

### by BP Exploration (Alaska), Inc.

with West Coast Spot Price for Alaska North Slope Crude Oil (Dollars per Barrel)



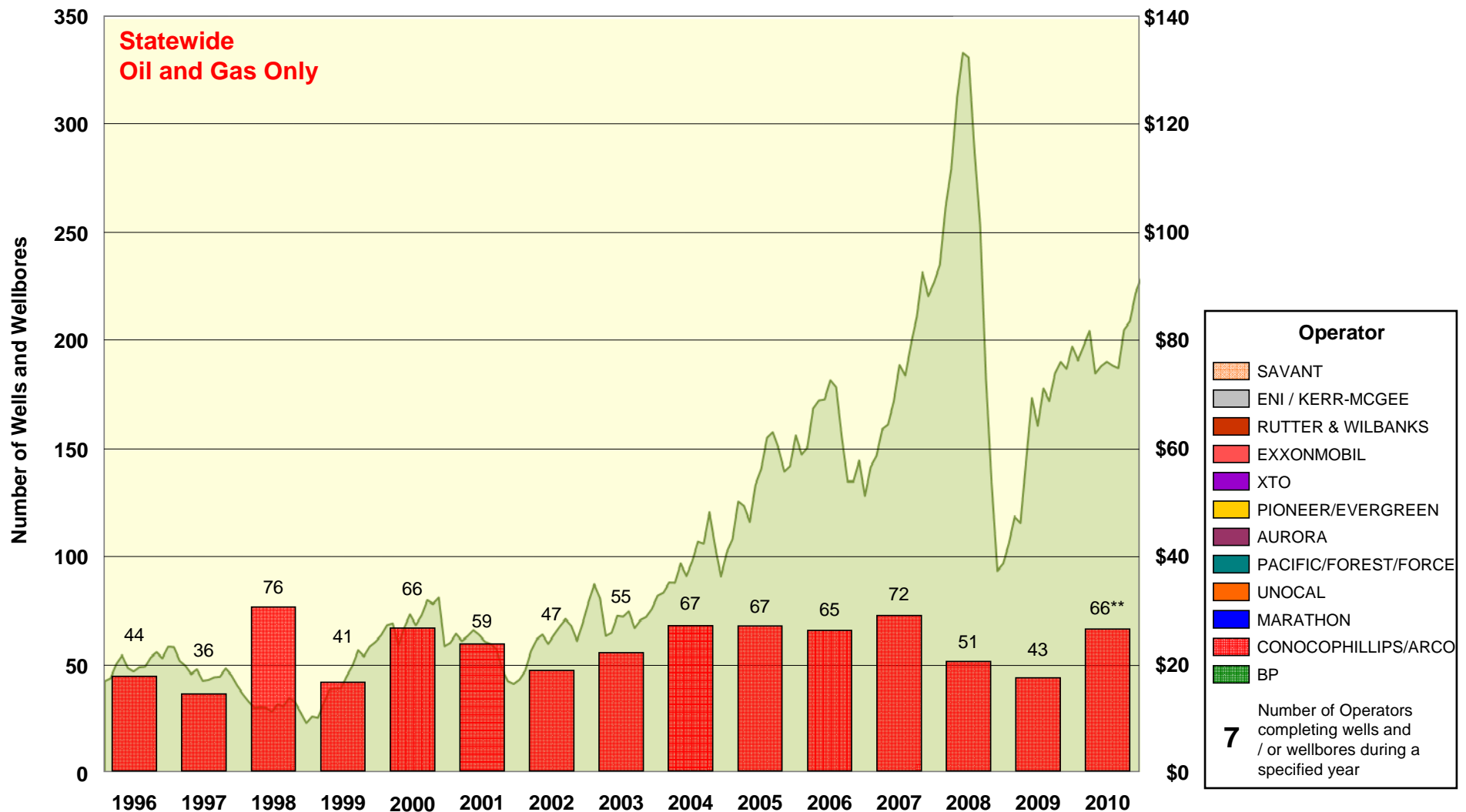


# DEVELOPMENT AND SERVICE WELLS / WELLBORES

## Statewide: Completed, Suspended or Abandoned (1996 - 2010)\*

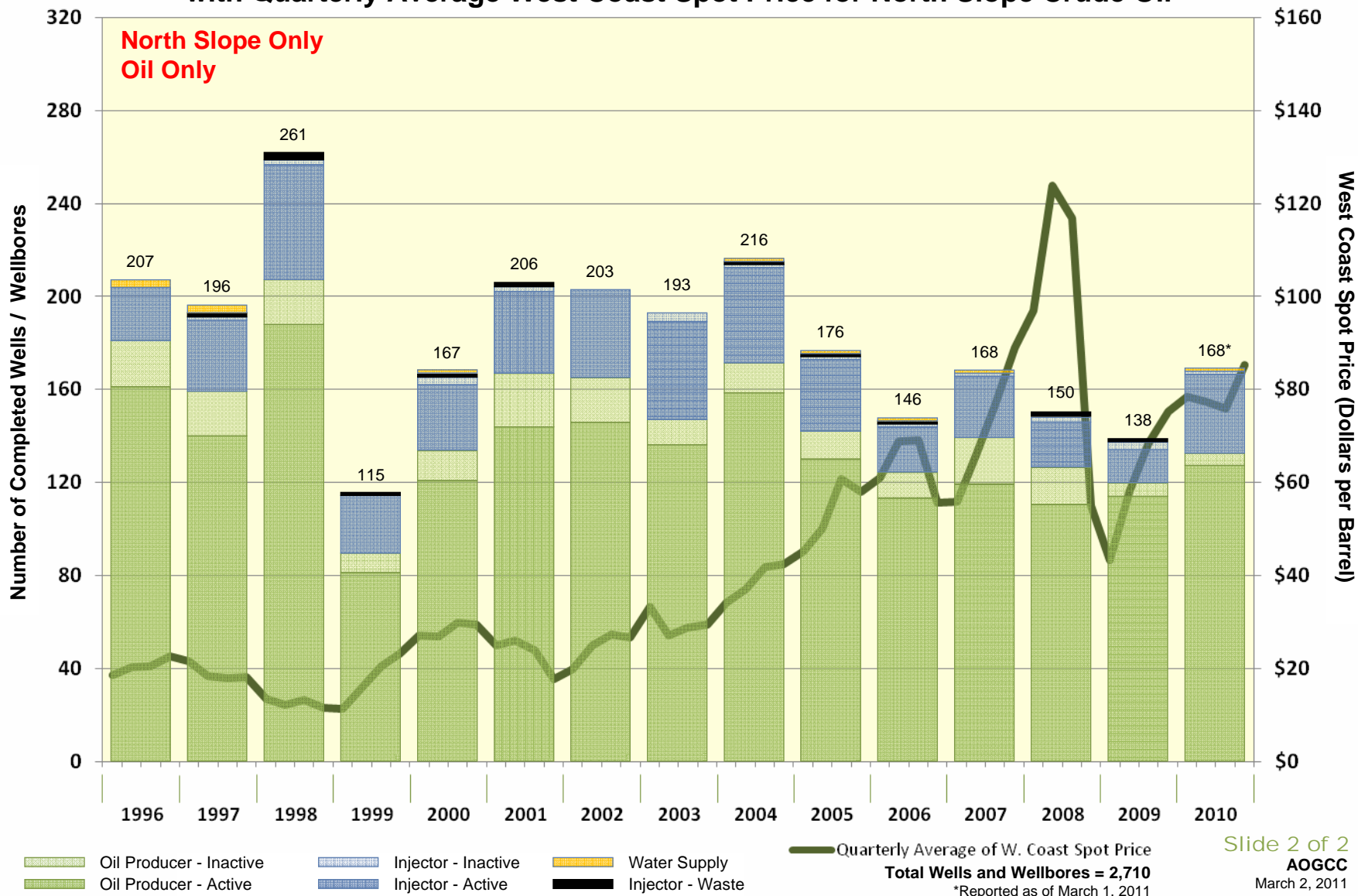
### by ConocoPhillips Alaska, Inc.

with West Coast Spot Price for Alaska North Slope Crude Oil (Dollars per Barrel)

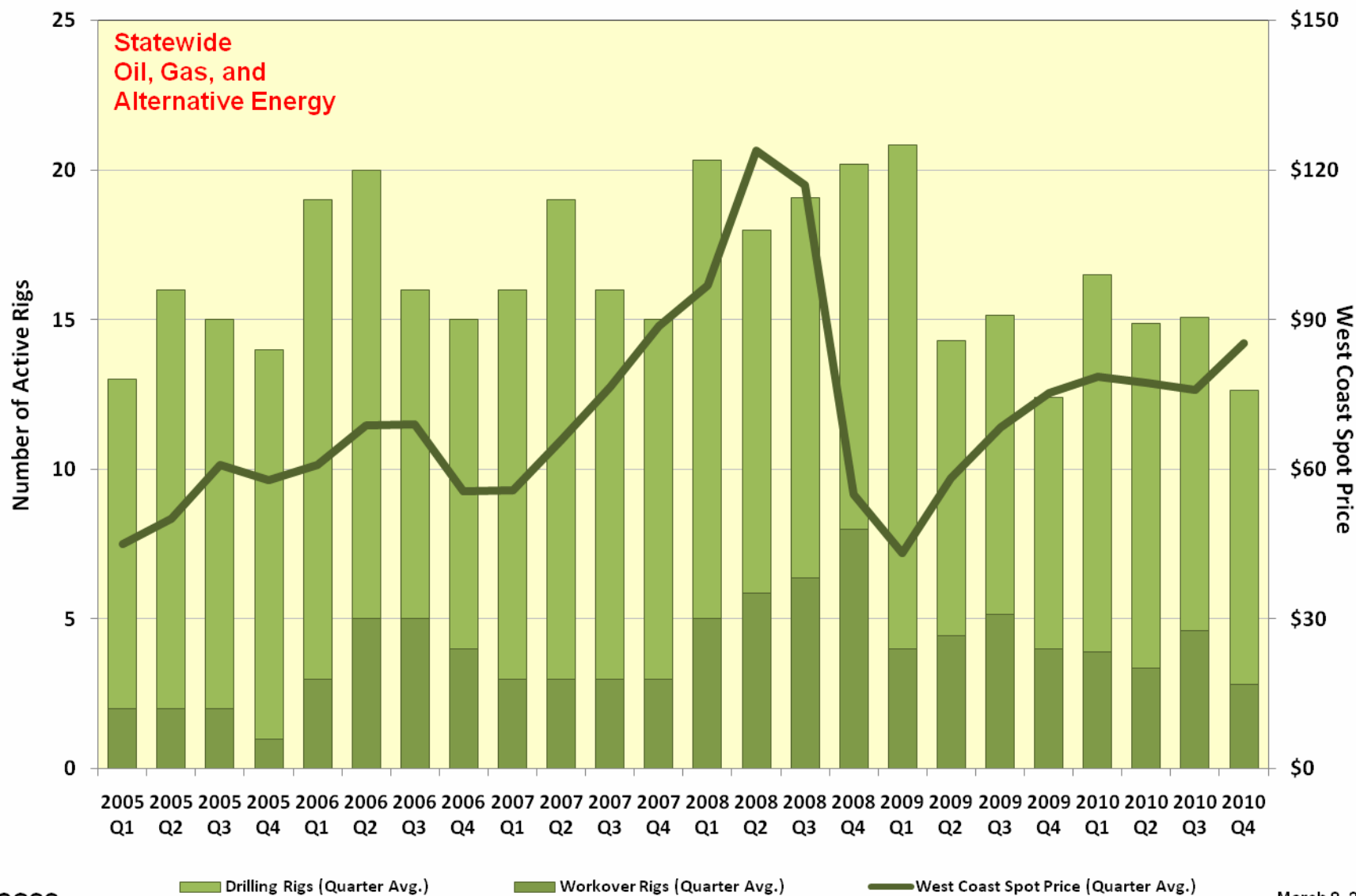


# Completed, Suspended and Abandoned Oil and Support Wells and Wellbores – North Slope Only 1996 – 2010\*

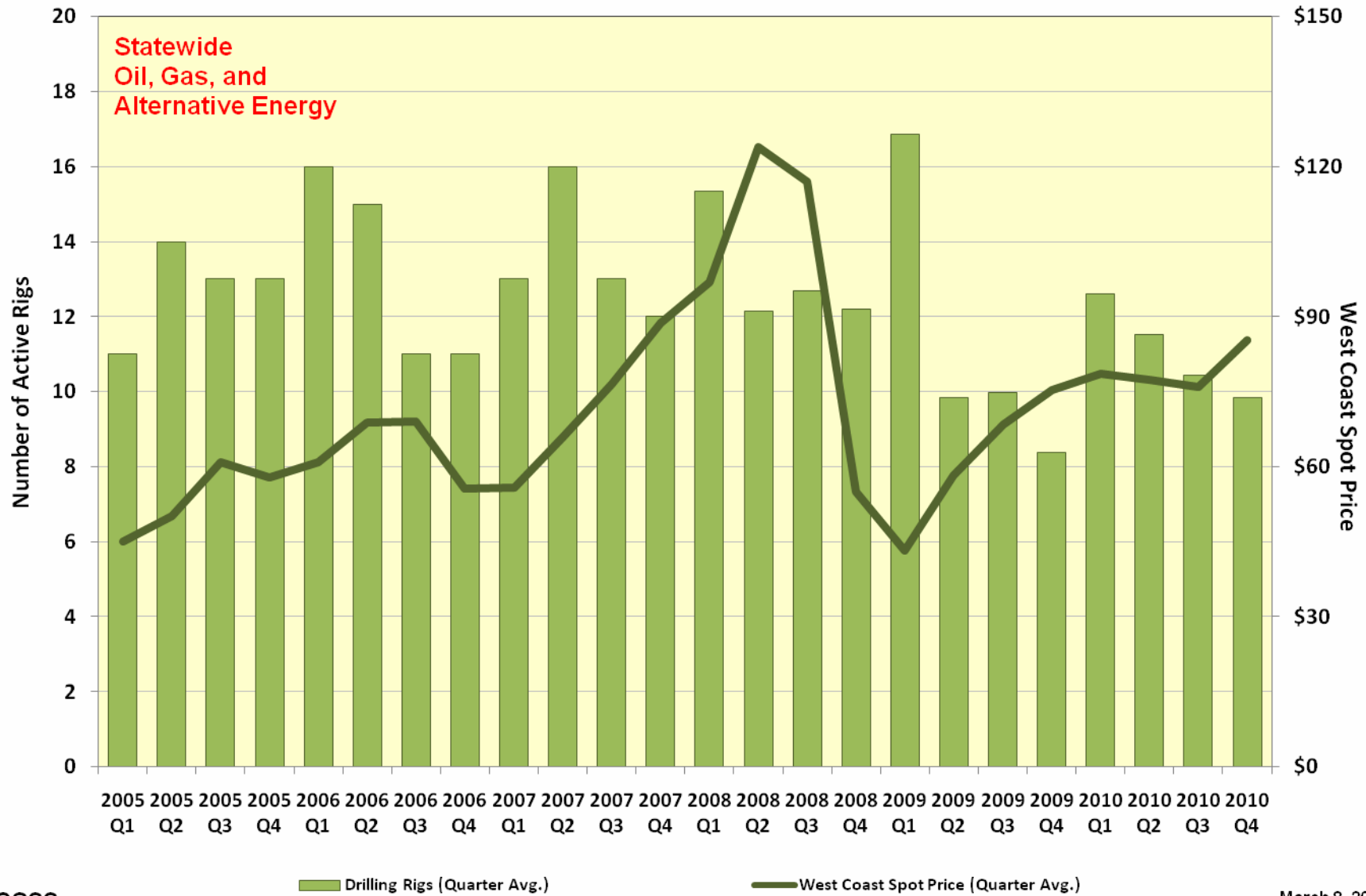
with Quarterly Average West Coast Spot Price for North Slope Crude Oil



# Alaska's Active Drilling and Workover Rigs for Each Quarter (2005 - 2010) with Quarterly Average West Coast Spot Price for North Slope Crude Oil

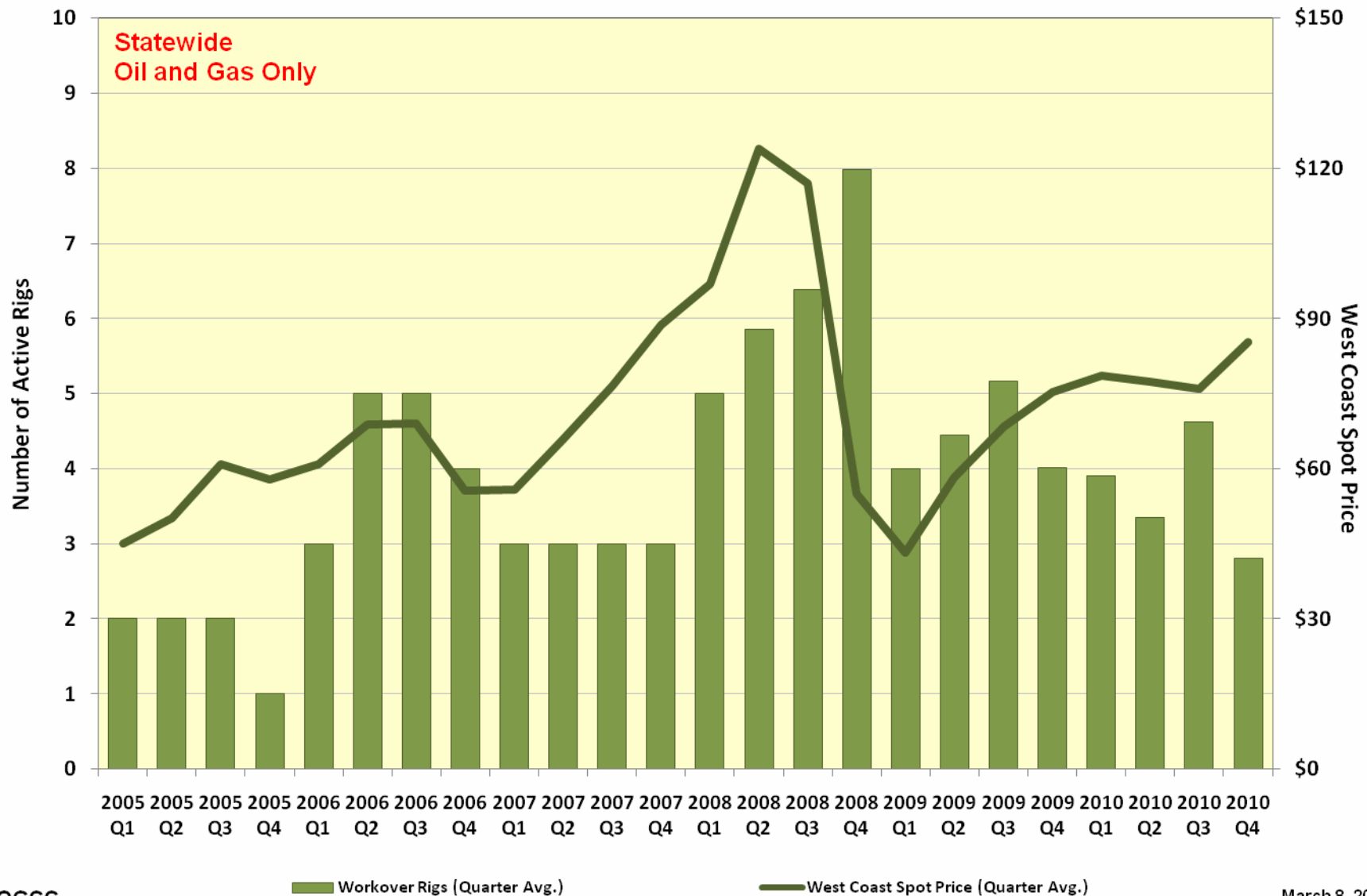


## Alaska's Active Drilling Rigs for Each Quarter (2005 - 2010) with Quarterly Average West Coast Spot Price for North Slope Crude Oil



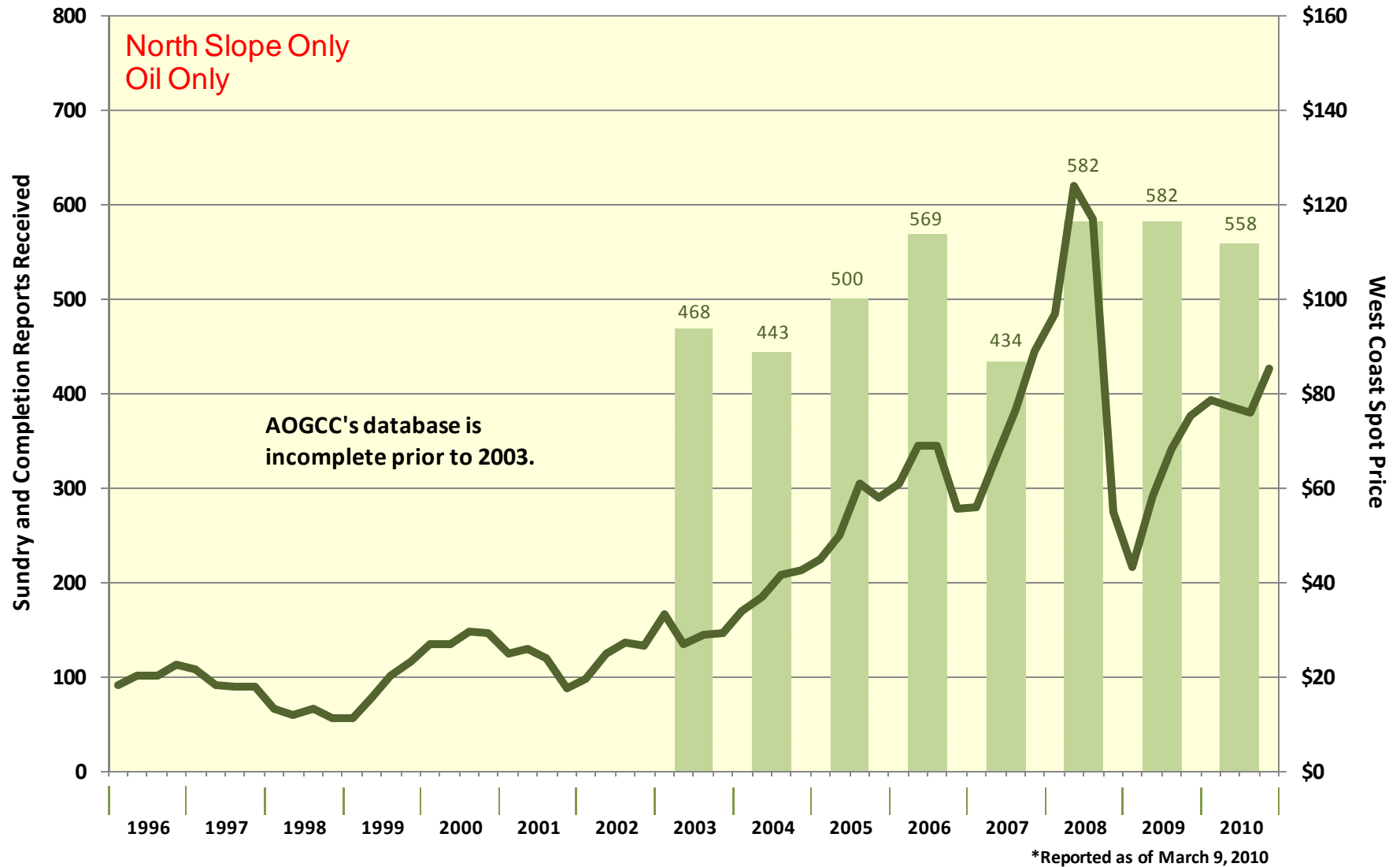
# Alaska's Active Workover Rigs for Each Quarter (2005 - 2010)

with Quarterly Average West Coast Spot Price for North Slope Crude Oil



# Well Workover Activities for Each Year (North Slope Only) 2003 - 2010\*

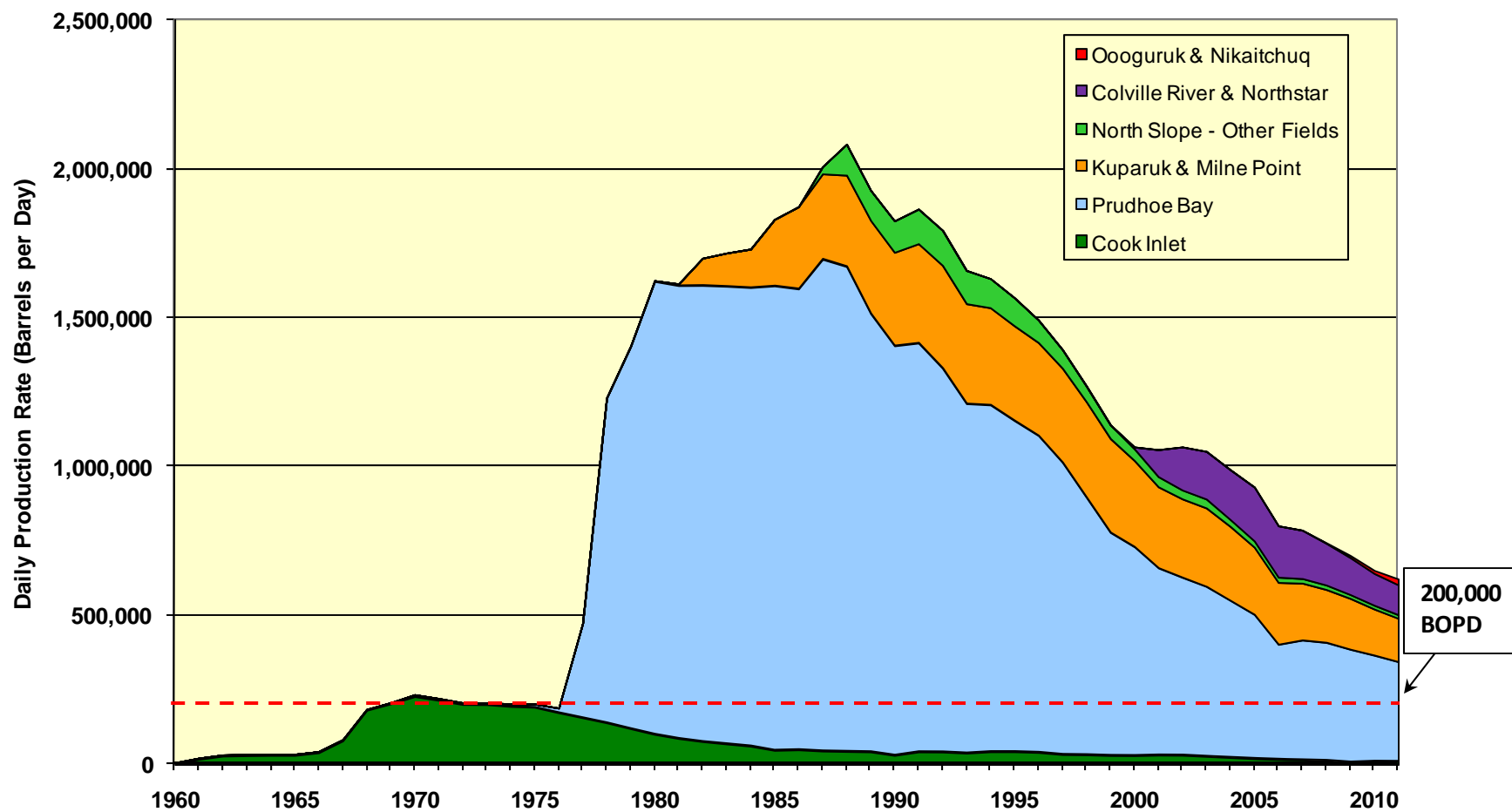
with Quarterly Average West Coast Spot Price for North Slope Crude Oil



## Alaska Oil and Gas Conservation Commission

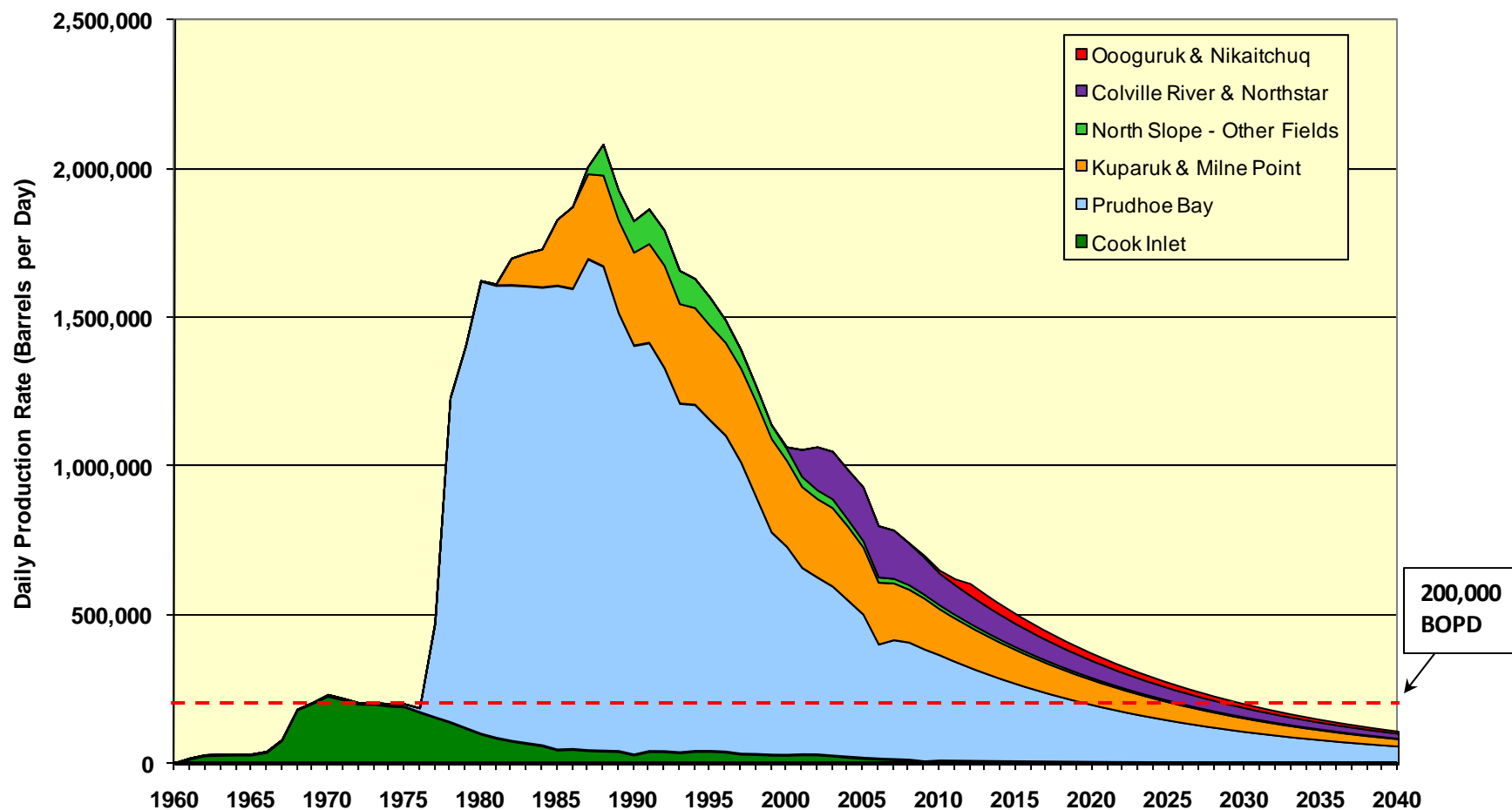
- AOGCC Mission
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# Alaska's Average Daily Oil & NGL Production Rate



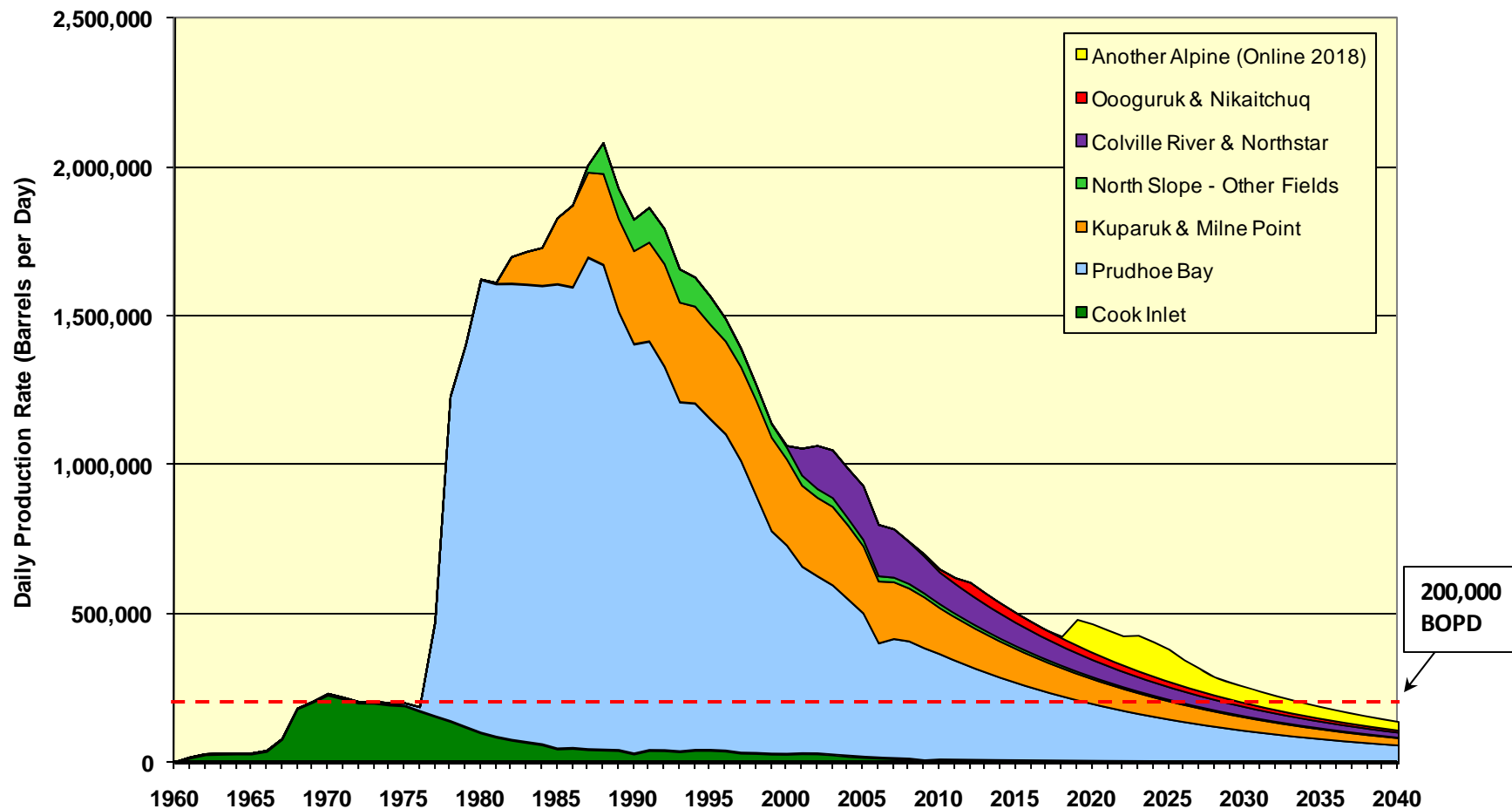


## Alaska's Average Daily Oil & NGL Production Rate (6% Annual Decline Rate)



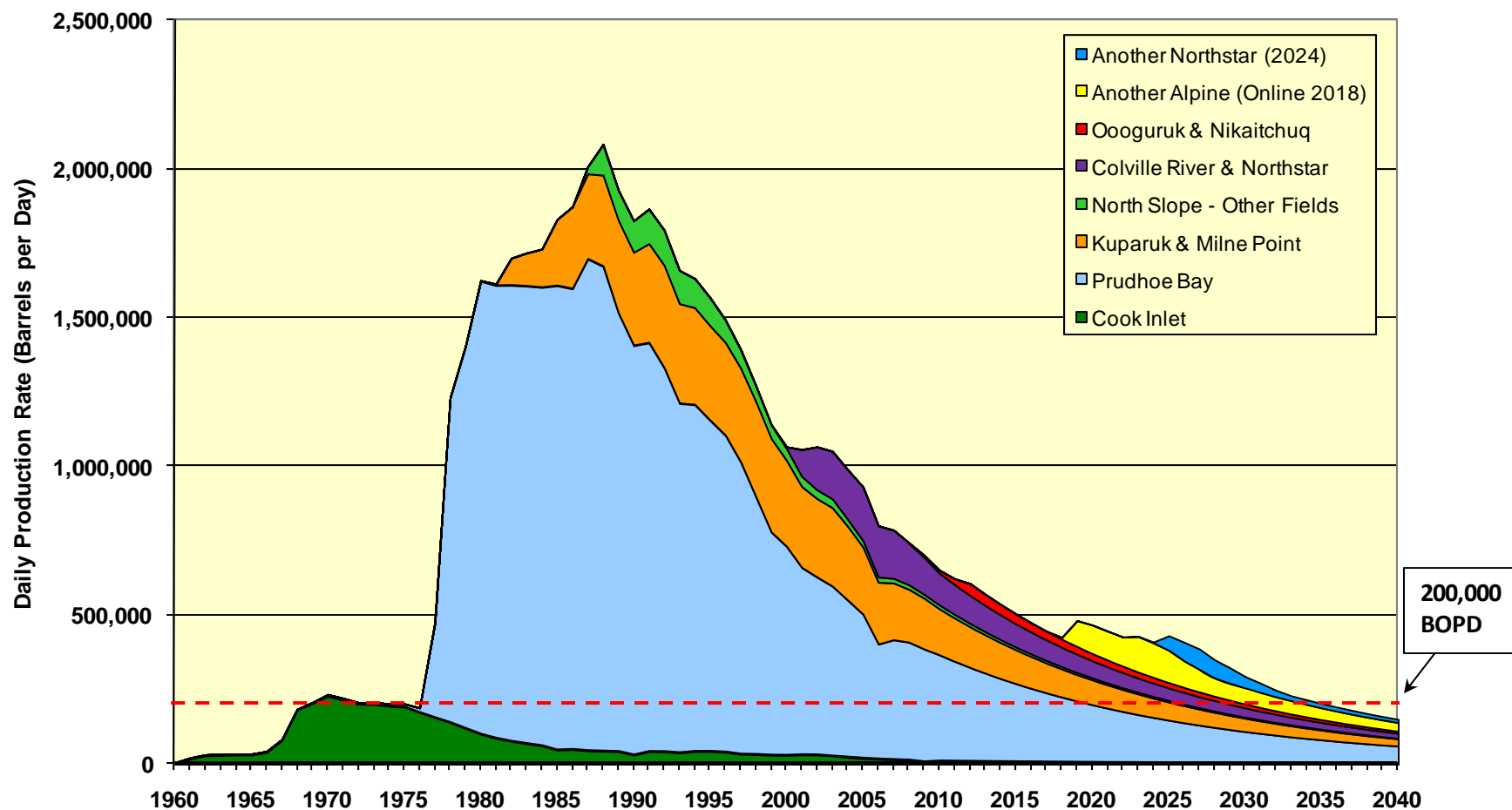
# Alaska's Average Daily Oil & NGL Production Rate

(6% Annual Decline Rate with Alpine-Sized Field Added 2018)



# Alaska's Average Daily Oil & NGL Production Rate

(6% Annual Decline Rate with New Fields Added 2018 and 2024)



# Alaska Oil and Gas Conservation Commission (AOGCC)

## Contact Information

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Fax: (907) 276-7542

[www.aogcc.alaska.gov](http://www.aogcc.alaska.gov)

Photo by Daniel T. Seamount III