Prudhoe Bay Oil Field

Prudhoe Bay- Summary Data
- Largest in North America
- Oil= 20-25 billion barrels in place
  ~13 billion barrels recoverable
- Gas= 46 trillion ft³ (50% recoverable)
- Discovery 1967 (Arco and Exxon)
- Initial production 1978
- BP (operator), ExxonMobil, ConocoPhillips
- Daily production ~300,000 bbls/day

Most exploration done in winter when the ground is frozen

Well sites on gravel pads built on permafrost

North Slope Oil Production
Million barrels per day

Aerial View of Prudhoe Bay Field

Winter photo

Summer Photo
Prudhoe Bay Well pads

- Directional wells to minimize surface impact

Prudhoe Bay Oil Field (1968)

- Largest North American field
- More than 5 billion barrels recoverable

Prudhoe Bay

- Sagavanirktok Group
- Cobalt #1 Group
- Kingak Group
- Sulerather Group
- Water
- Lisburne Group
- Oil

Prudhoe Bay Top Structure

- International Resource Technologies, Inc.