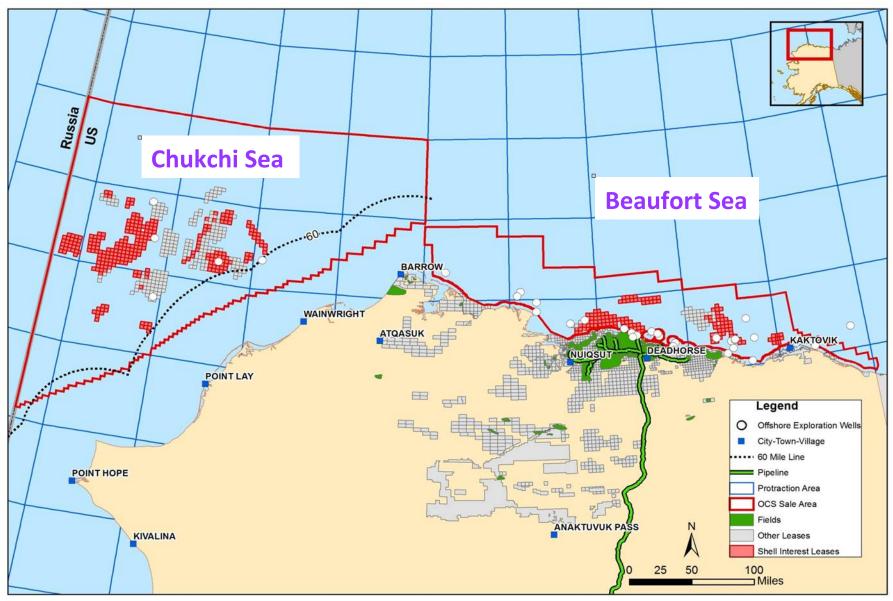
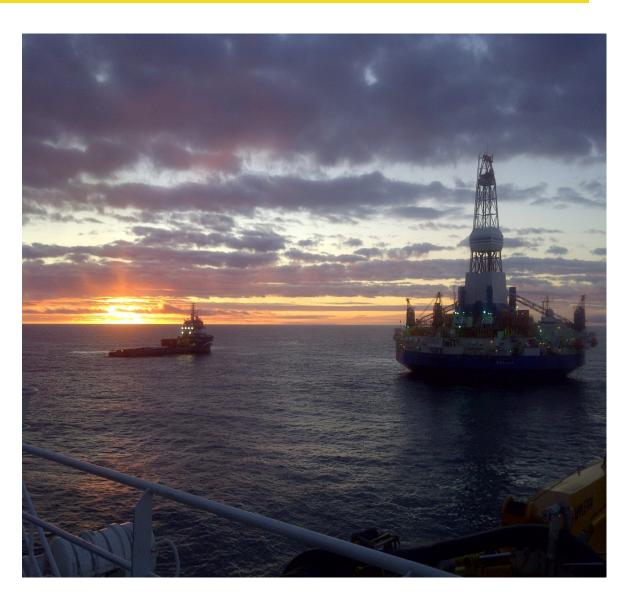


#### **Chukchi and Beaufort Seas Lease Sites**



### **2012 Activities**

- Top-holes drilled
- Successful ice and weather forecasting
- Challenging ice
- Kaktovik whale hunt
- Where are they now?



# **Arctic Containment System**

- Fourth line of defense
- Will provide coverage for Chukchi and Beaufort



- First of its kind exceeds regulations
- Delay in completion and classification ended aspiration for hydrocarbon drilling in 2012

• Will be fully operational in 2013



# **2012 Logistics**

- Trained over 2000 personnel
- Helicopters, fixed wings and vessels
- Over 12,000 rotations
- Man Camps in communities
- Miami Heat jet
- Over one million gallons of fuel transferred









#### **Arctic Interest**







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#### CNN



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# The New York Times



#### **Regulatory & Legal**

- Fundamentally, drilling program will be the same in 2013
- Existing Exploration Plans for the Beaufort and Chukchi Sea
- EPA air permits
- Expect continued litigation at every turn









# **Economic Impact**

#### **IMMEDIATE IMPACTS**

- 1800+ employed in 2012
- Alaska spend \$300 M+
- Rig upgrades, WA (\$100+million, 400 jobs)
- Aiviq, LA (\$150+million, 900 jobs)
- Capping & Containment systems (\$200+ million)

LONG TERM IMPACTS OF OCS DEVELOPMENT\*

- Annual average 54,000 jobs over 50 years
- \$145 billion in payroll
- 700,000 barrels/day through TAPS

\*Based on ISER/Northern Economics study





# **Working Together In The Arctic**

- Coast Guard role and support: search & rescue, vessels
- North Slope Borough and local communities
- State of Alaska, Dept. of the Interior, NOAA, EPA
- Involved ports: Anchorage, Dutch Harbor, Valdez, Nome, Wainwright, Barrow and NW/ Seattle



# **2013: Drilling to Hydrocarbons**



Continue to drill in Chukchi and Beaufort

Science
NSB Agreement
NOAA MOU

 Onshore/offshore data collection

Crossing NPRA



10

Alaska Venture

#### **Activism Targeting Shell Alaska**



- Maintain safety for all
- No one gets hurt and no major delays
- Direct action led by Greenpeace
- Court Injunction
- Expectation is they will continue

















Website: www.shell.us/alaska