Shell Offshore Inc.

Arctic Exploration and Development: Challenges and Solutions

Chandler T. Wilhelm

Alaska Exploration Manager

November 16, 2005

Resource Development Council 26th Annual Conference

Anchorage, Alaska

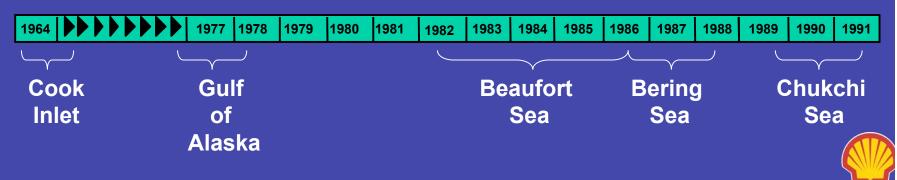


Shell's Alaska Legacy

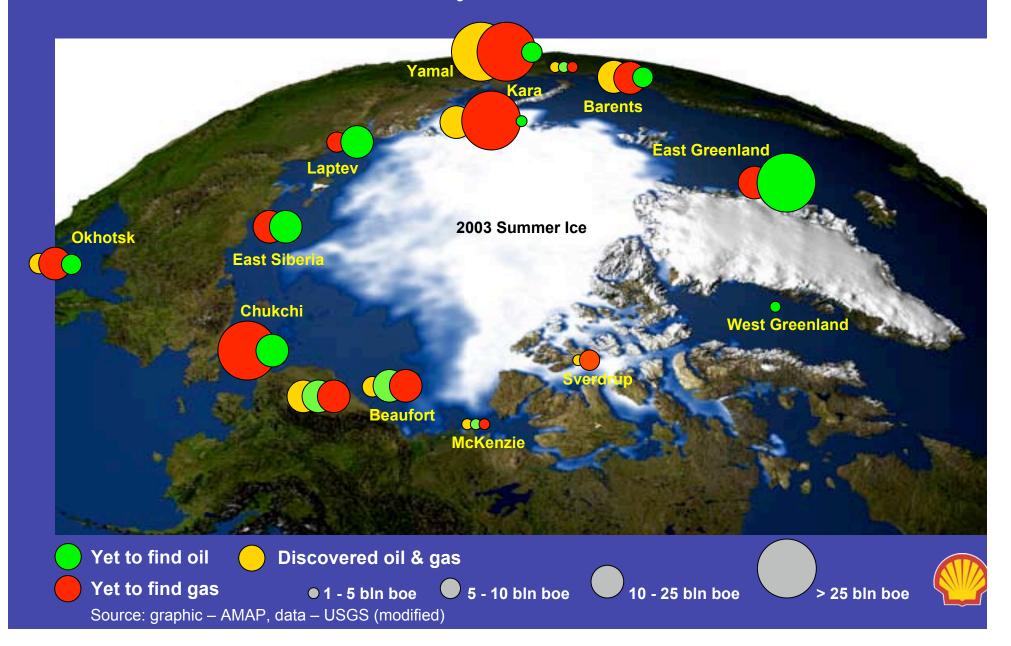
- 20 years sustained R&D
- 1st royalty payer to State of Alaska
- 2 producing fields in Cook Inlet
- 10 seasons of marine seismic
- 9 exploration discoveries
- 5 Beaufort gravel islands



Historical Drilling Activities



Main Arctic Basins - Hydrocarbon Potential

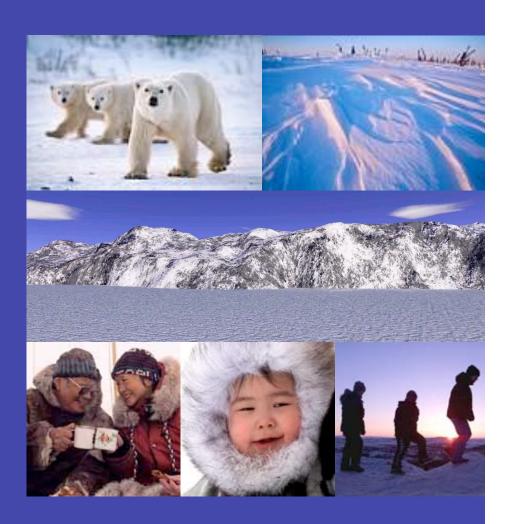


- Health, Safety, Environment & Social Performance
- Engineering Solutions
- Gas Solutions
- Cost Effective Exploration





- Health, Safety, Environment & Social Performance
 - Sensitive environment
 - Safety
 - Indigenous people
- Engineering Solutions
- Gas Solutions
- Cost Effective Exploration





- Health, Safety, Environment & Social Performance
- Engineering Solutions
 - Remote locations
 - Short operating seasons
 - Extreme climate & ice
- Gas solutions
- Cost Effective Exploration

Goldeneye **Arctic Platform** Concept

Ormen Lange

Sakhalin

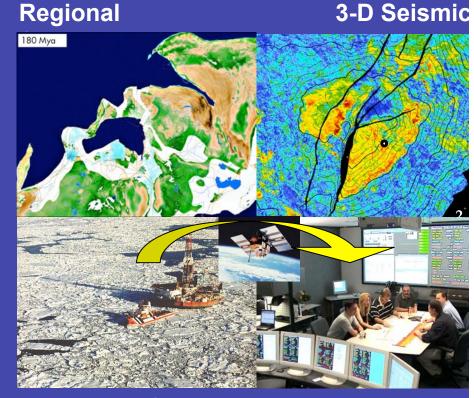
- Health, Safety, Environment & Social Performance
- Engineering Solutions
- Gas Solutions
 - LNG
 - Pipeline
 - Fair Access
- Cost Effective Exploration







- Health, Safety, Environment & Social Performance
- Engineering Solutions
- Gas Solutions
- Cost Effective Exploration
 - Regional studies
 - Advanced technology
 - Operational excellence



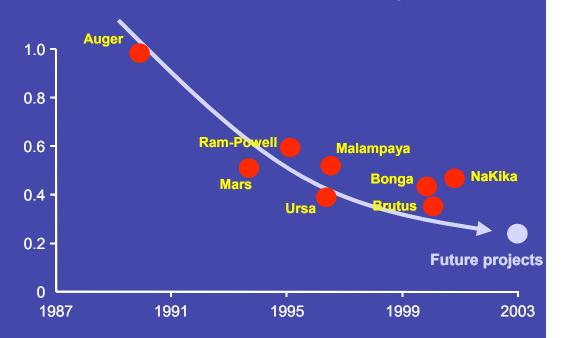
Real Time Operations
Center



Shell Arctic R&D

- Extending the Season
- Cost Reduction
- Systems Reliability
- Subsea Systems

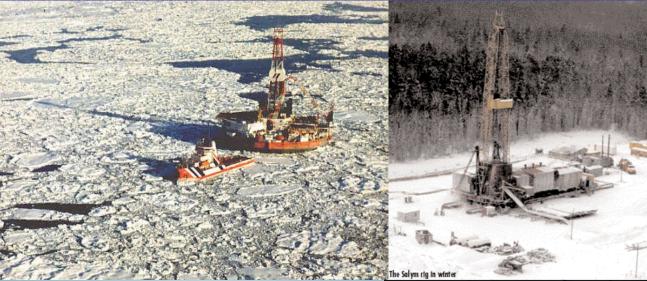
Shell Historical Deepwater Cost/Unit of Production Capacity





Shell Arctic Portfolio

Beaufort Sea, Alaska



Salym Russia

McKenzi e Delta, Canada



Sakhal II, Russia



