

SCOMM

148:1

State of Alaska Division of Oil and Gas

Kevin Banks
Acting Director

January 2007



Alaska Department of
**Natural
Resources**

The Division of Oil and Gas ...

manages oil and gas lands to assure responsible oil and gas exploration and development and maximize revenues to the state.



Core Services

- Encourage exploration and development of Alaska's oil and gas resources
- Maximize revenue from oil and gas production
- Maximize benefits of development and production

GROSS OIL VOLUMES OFF OF STATE LEASES

January 2006 through November 2006

<u>Company</u>	<u>Barrels of Oil</u>
1. ConocoPhillips	92,586,154
2. BP	71,504,716
3. Exxon	41,788,992
4. State of Alaska	32,823,355
5. Anadarko	7,754,658
6. Chevron/Unocal	5,814,851
7. Forest Oil	1,703,775
8. XTO Energy	958,228
9. NANA	
20,244	
10. Doyon	
6,540	
11. Petro-Hunt	594
Total	254,962,106

The State Revenue Pie

Petroleum Revenue Sources (FY 2006)

**Total Royalties, Bonuses, Rents, Fees & Settlements:
\$2,394.6 Million**

General Fund Royalties, Bonuses, Fees & Rents:¹
\$1,783.9 Million

Royalties to Permanent Fund & School Fund:¹
\$610.7 Million

Taxes:

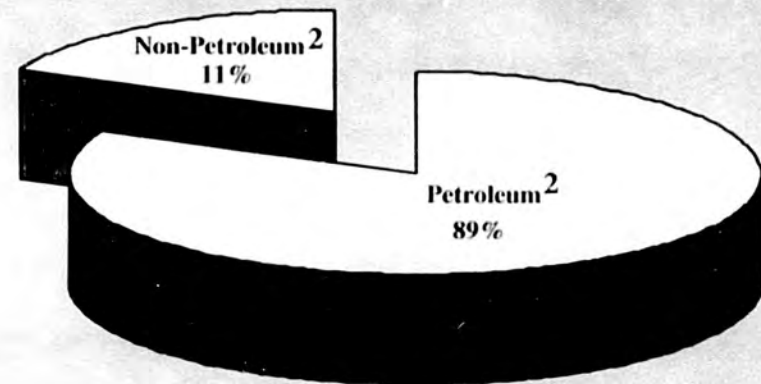
\$1,915.0 Million²

(Oil & Gas Property Tax + Income Tax + Severance Tax)

¹ Includes Federally shared rentals + royalties

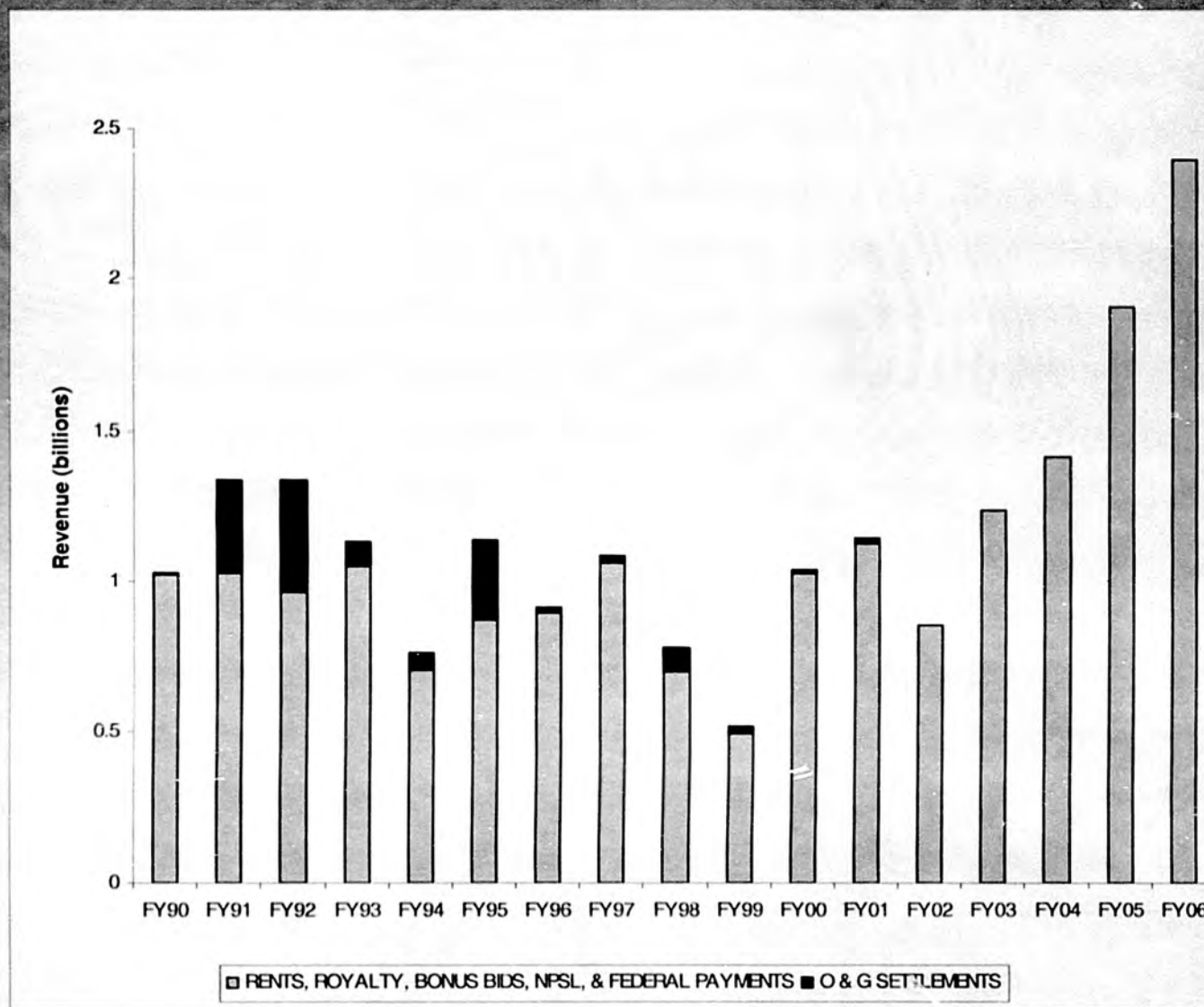
² Source: DOR Preliminary Fall 2006 Revenue Sources Book

FY 2006 Unrestricted Revenue



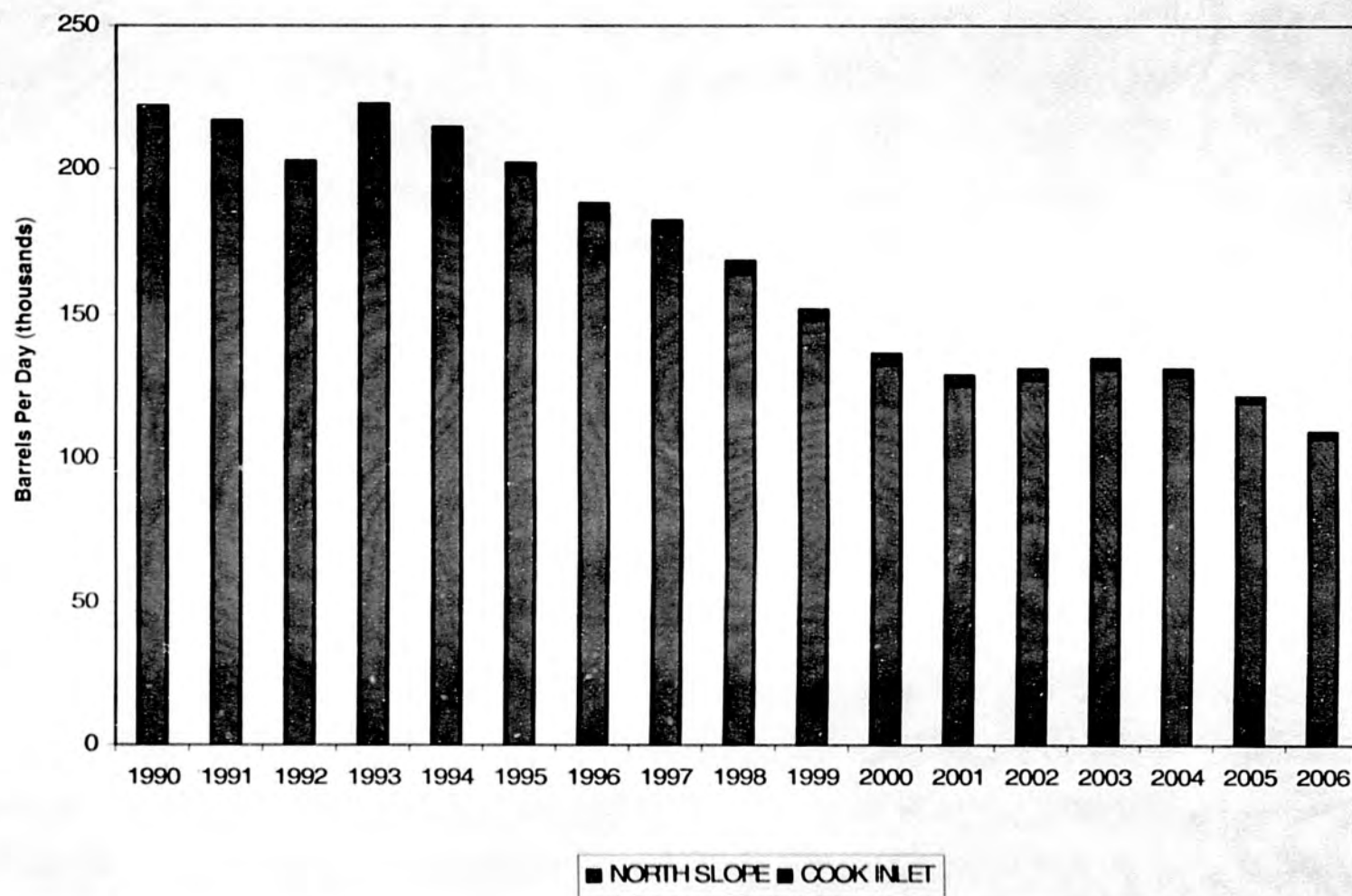
Fiscal Year Oil and Gas Revenue on State Lands

Fiscal Years 1990 - 2006



Annual State Oil Royalty Production

In thousands of barrels per day; fiscal years 1990 - 2006



Achievements in 2006

- Resource Evaluation
- Leasing/Permitting
- Unit Administration
- Royalty Accounting
- Audit
- Commercial

Achievements in 2006

Resource Evaluation

- Evaluated unit applications by analyzing the technical merits of lessees' confidential geological, geophysical, and engineering data
- Evaluated distribution of oil and gas reserves on tracts within participating areas (producing fields)
- Evaluated royalty modification applications in conjunction with the Commercial Section
- Performed technical evaluations on 11 well and 10 seismic applications for DOR Exploration Credit Program.
- Evaluated geological and geophysical data to provide input for areawide lease sales terms

Achievements in 2006

Leasing/Permitting

- Conducted five areawide lease sales in FY 2006, resulting in \$38.2 million in bonus bids
- 1.6 million acres leased, with 402 bids on 360 tracts, and 41 bidding groups participating
- Administered more than 1,200 leases covering nearly 4 million acres generating more than \$7 million in rental income
- Processed more than 1,000 assignments of interests in oil and gas leases

Achievements in 2006

Unit Administration

- Staff managed 38 units producing from 59 participating areas with six new units approved in FY06
- Considered and issued 20 unit and PA decisions in FY 06, including:
 - Six new units
 - Four new PAs
 - One unit expansion
 - Two PA expansions
 - Four unit contractions
 - One PA contraction
 - Two unit terminations
- Currently working on a dozen unit actions in the pre-application phase, including two new units and at least six new PAs

Achievements in 2006

Royalty Accounting

(FY '06)

- Collected \$2,274 million in revenue, including:
 - \$944 million in royalty-in-value;
 - \$1,305 million from royalty-in-kind oil sales, and
 - \$25 million in the state's share of federal rents and royalties
- Processed more than 5,700 production reports
- Reconciled more than 18,900 royalty transactions

Achievements in 2006

Audit

- Staff completed 12 state and federal audits during the past 18 months resulting in the collection of \$2.1 million in additional revenue
- Performed a critical role in the recently completed ExxonMobil royalty re-opener analyzing marine transportation costs
- Audit claims in the amount of \$13 million are currently outstanding

Achievements in 2006

Commercial

- Staff completed a Royalty Settlement Agreement re-opener with ExxonMobil which will result in \$37.9 million in additional revenue to the state, including adjustments to previous RIK oil sales
- Approved a royalty modification for the Oooguruk leases and denied a royalty modification for the Nikaitchuq leases

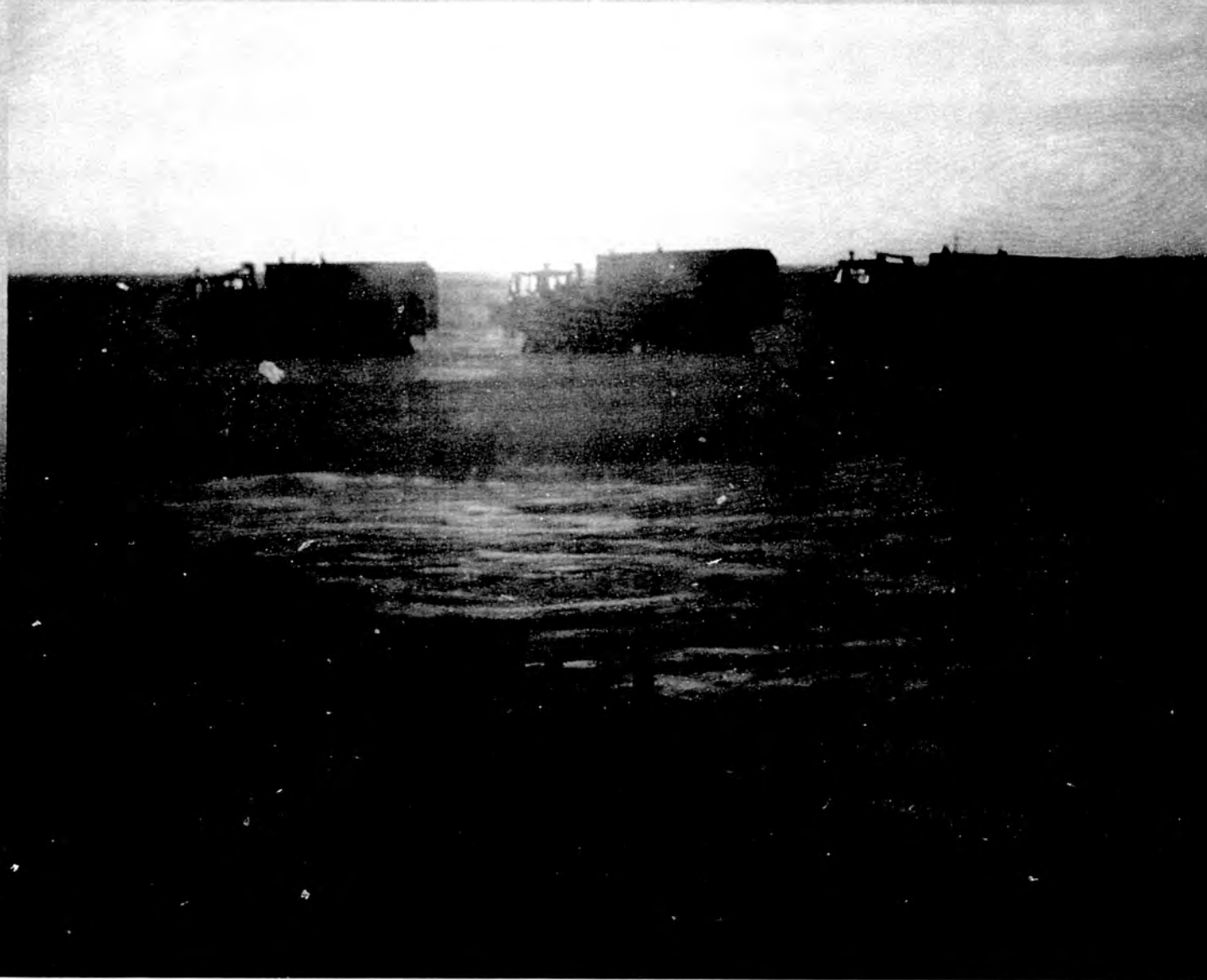
Issues

- North Slope Natural Gas Pipeline
- Point Thomson Unit
- Petroleum Systems Integrity Office
- New Unit Initiatives in Cook Inlet
- Audit and Re-openers

Long-term Issues

- Foster programs to slow North Slope oil production decline
- Facility access

Feedback/Questions



Appendices

Continuing Projects

- Conduct five lease sales per year
- Exploration licensing
- Royalty accounting
- Production accounting
- Data management and GIS systems
- Royalty-in-kind sales
- Royalty reduction requests
- Viscous oil and other challenges related to marginal field development
- Audits and royalty/Net Profit Share settlements
- Royalty settlement re-openers
- Resource evaluation for new units, new and revised participating areas, lease sale areas, and new lease sale areas
- Satellite field development-facility sharing arrangements
- Lease administration-assignments, title and rental
- New units and unit administration
- Pipeline tariffs including TAPS
- Cook Inlet gas: storage and supply
- Permitting for exploration and development activities
- Inspections of oil and gas activities on state lands
- Promote state oil and gas opportunities
- Assist new entrants in start-up activities
- Collaboration with USGS and DGGs — Gas hydrate research, oil and gas field work
- Cook Inlet DR&R: platforms & pipelines
- TAPS quality bank methodology
- Review technical data submittals and obtain data as required by DOR
- Exploration Incentive Credit programs
- Staff & technical support for DGGs energy program
- Facilitating reasonable access to existing infrastructure for explorers
- Coordinating and collaborating with federal oil and gas managers — BLM and MMS
- Working with local governments on permitting and zoning concerns
- Evaluating geothermal energy production prospects
- PSIO (Petroleum Systems Integrity Office)

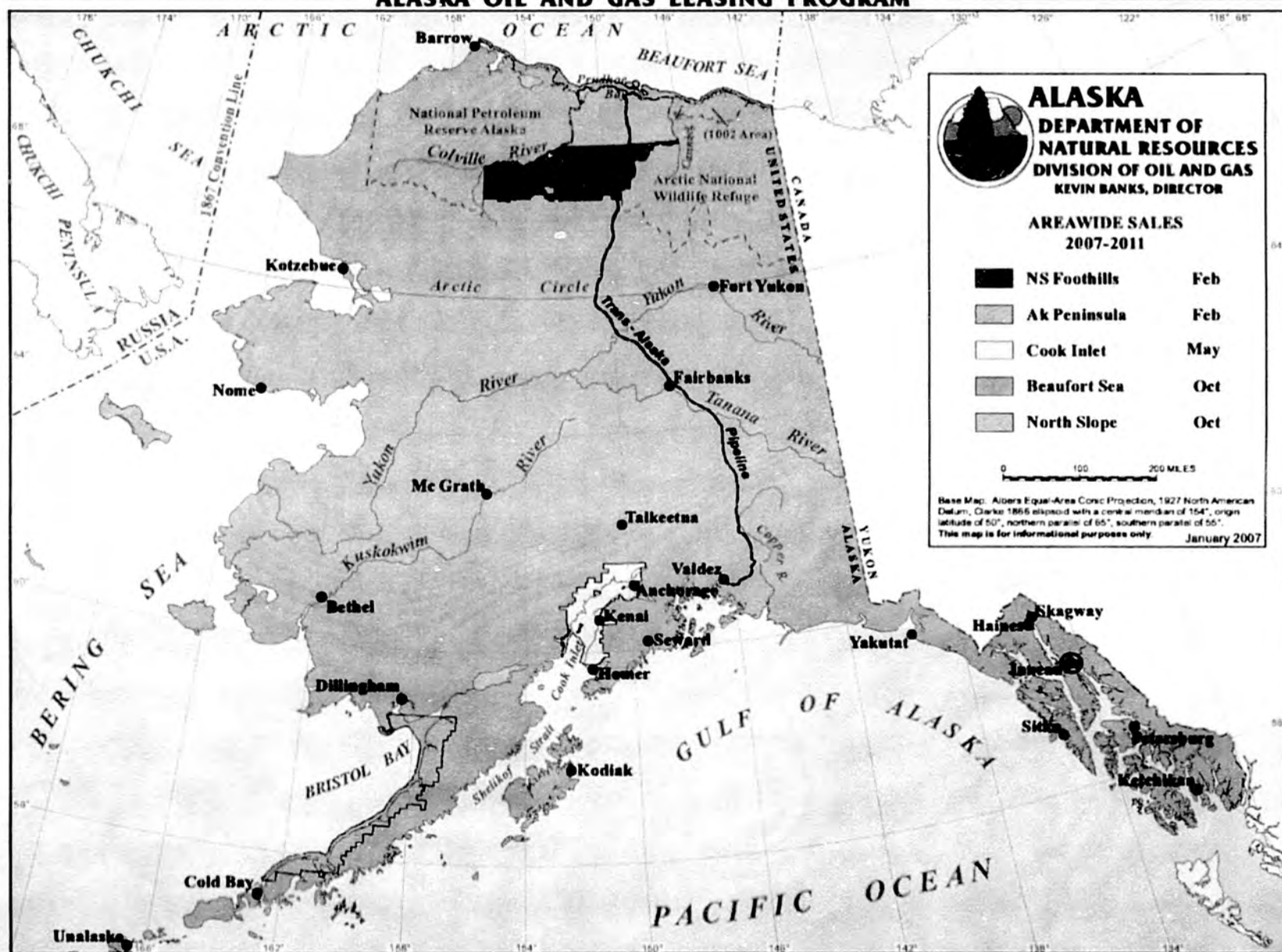
Oil Field Integrity: PSIO

- Petroleum Systems Integrity Office
- Comprehensive oversight program, focusing on proper maintenance
- Goal: Increase oversight of oil and gas facilities and activities on state land, ensuring regulatory “gaps” are filled;
 - Exercises lease authority through approval and enforcement of Operators’ Quality Assurance Programs;
 - State agencies’ existing permitting and enforcement activities continue;
 - DNR leads state agencies to ensure comprehensive oversight and coordinated enforcement, as necessary.

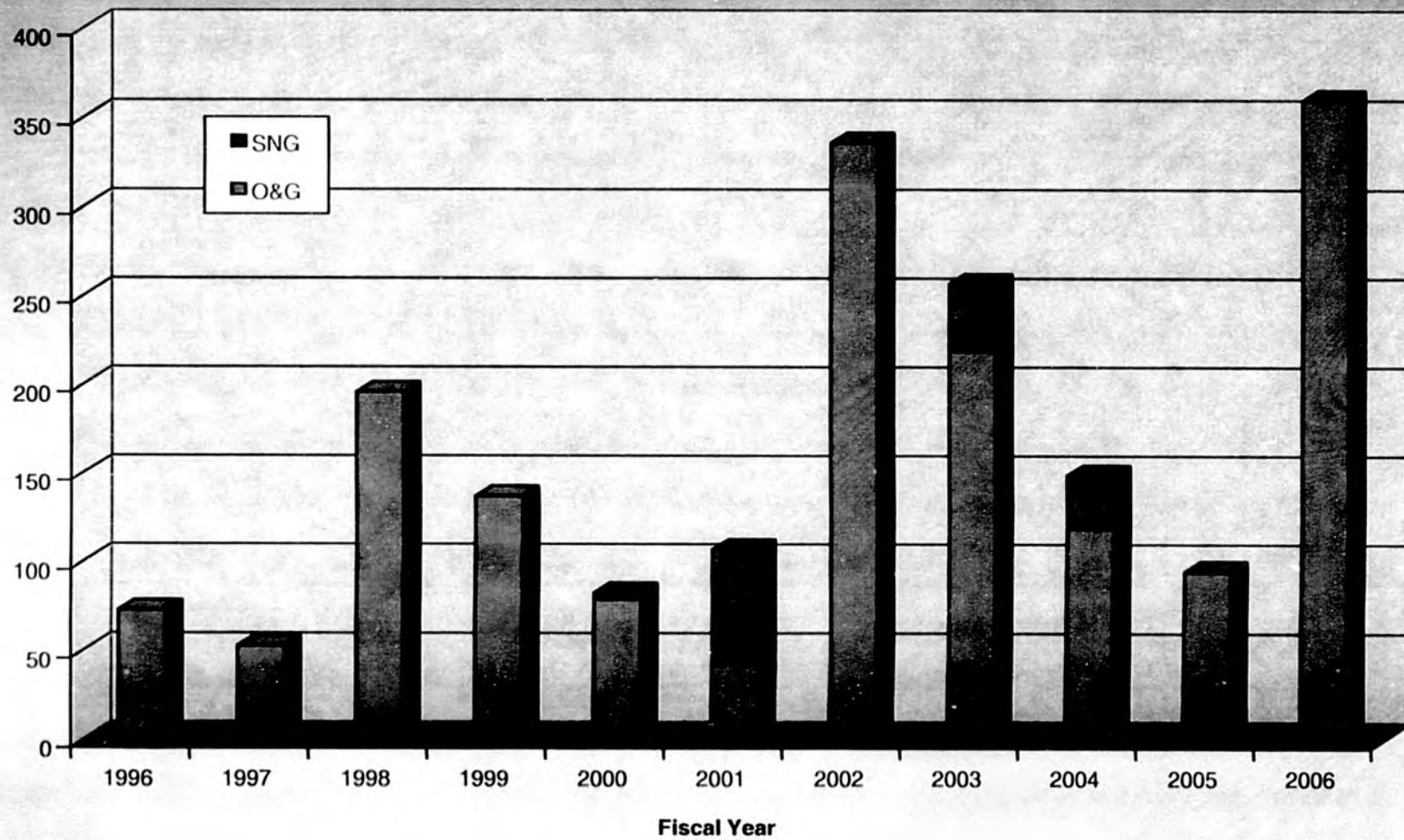
Areawide Oil and Gas Lease Sales

- **Annual Lease Sales:**
 - February: Alaska Peninsula & North Slope Foothills
 - May: Cook Inlet
 - October: North Slope & Beaufort Sea
- **Lease Sizes:**
 - Up to 5,760 acres
- **Maximum Non-unitized state acreage under lease by entity**
 - Offshore – 500,000 acres
 - Onshore – 750,000 acres
- **Term of Lease**
 - 5 to 10 years
- **Annual Rentals**
 - \$1/acre initially, increasing annually by 50¢/acre to maximum of \$3/acre in 5th year

ALASKA OIL AND GAS LEASING PROGRAM



Number of Leases Issued 1996 - 2006

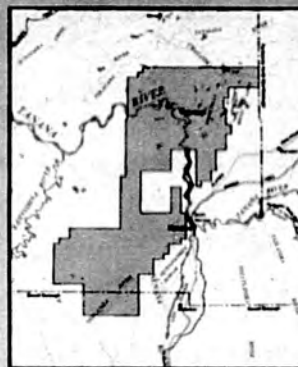


Exploration Licensing Program

- New proposals accepted every April
- Exclusive right to explore for oil and/or gas
- Work commitment, expressed in \$\$
- No rental fees during term of license
- One-time \$1/acre licensing fee
- Right to convert to oil & gas leases (Recently exercised in Copper River license area)

Issued Licenses

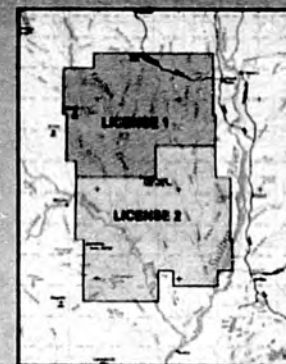
Nenana



Nenana Basin

Licensee: Anrex Resources
Size: 483,175 Acres

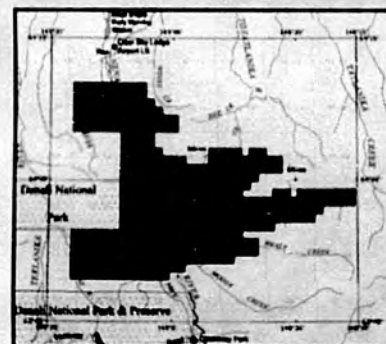
Susitna



Susitna Basin License 1
Licensee - Forest Oil Corp.
386,207 Acres
Susitna Basin License 2
Licensee - Forest Oil Corp.
471,474 Acres

License Proposed

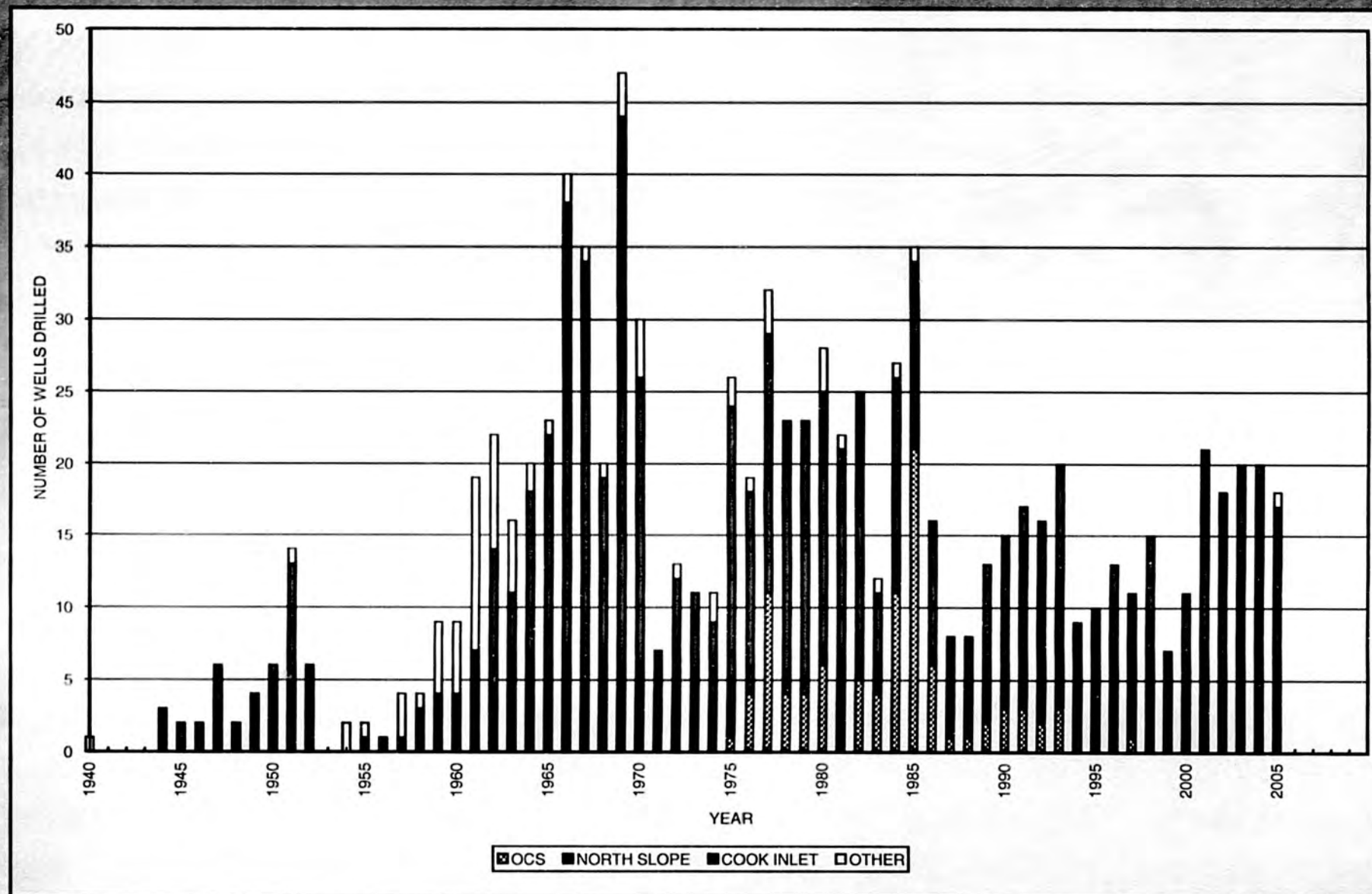
Healy



Healy Basin

Licensee: Usibelli Coal Mine
Size: 209,000 Acres

Alaska Exploration Wells



Units

What Are The Common Lease/Unit Administrative Actions?

Unit - Units are groups of leases; units are established to efficiently explore and develop the leases covering one or more potential hydrocarbon accumulations

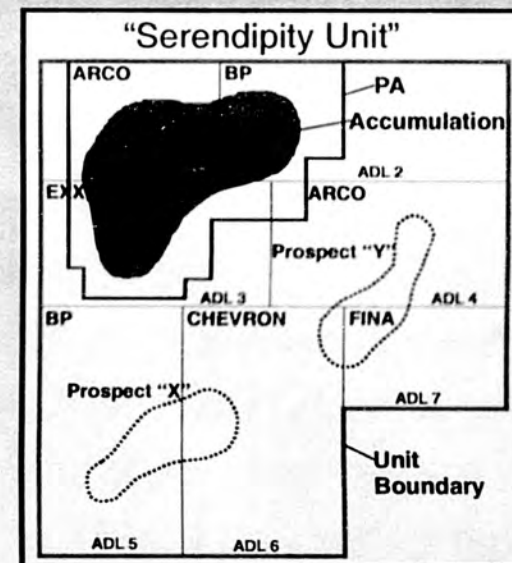
Participating Area (PA) - That portion of leases in a unit which cover a known or estimated accumulation and to which production is allocated via a unit agreement

Units Actions:

- Initial Formation
- Technical Evaluations - Reservoir Extent, Paying Quantities
- Negotiations - Unit Agreement
- Work Commitments
- Expansions
- Contractions
- Annual Plan of Exploration or Development

Participating Areas:

- Initial Formation
- Technical Evaluations - Commerciality
- Tract Allocation Factors
- Field Costs/Processing Costs
- Gas and Gas Liquids
- Fluid Commingling
- Facility Sharing
- Well Test Allocation
- Expansions
- Contractions
- Annual Plan of Development



Growth in Number of North Slope Oil Pools

1996

Endicott Endicott
Ivishak

Kuparuk River Kuparuk River
West Sak

Milne Point Kuparuk River
Schrader Bluff
Sag River

Prudhoe Bay Lisburne
Niakuk
Prudhoe
N. Prudhoe Bay
West Beach
Point McIntyre

Total = 13

2006

Endicott Eider
Ivishak Endicott

Kuparuk River Kuparuk River Meltwater
Tabasco Tarn
Ugnu West Sak

Milne Point Kuparuk River Sag River
Schrader Bluff Ugnu

Prudhoe Bay Aurora Borealis
Lisburne Midnight Sun
Niakuk Polaris
 Prudhoe
 Raven

Orion Schrader Bluff
N. Prudhoe Bay

Badami Badami

Colville River Alpine Fiord
Fiord-Kuparuk Nanuq
Nanuq-Kuparuk Qannik

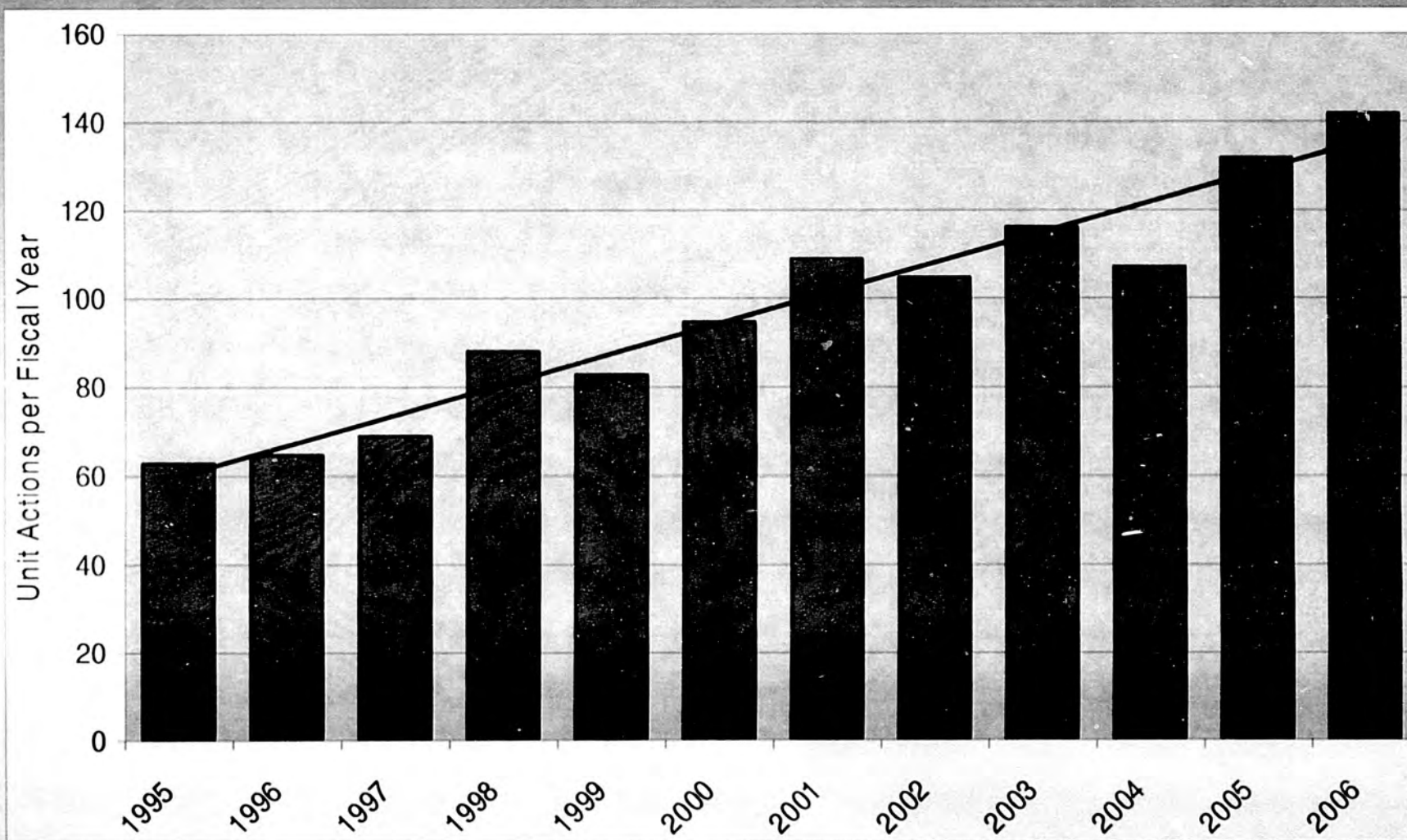
Northstar Northstar

Oooguruk Jurassic Kuparuk

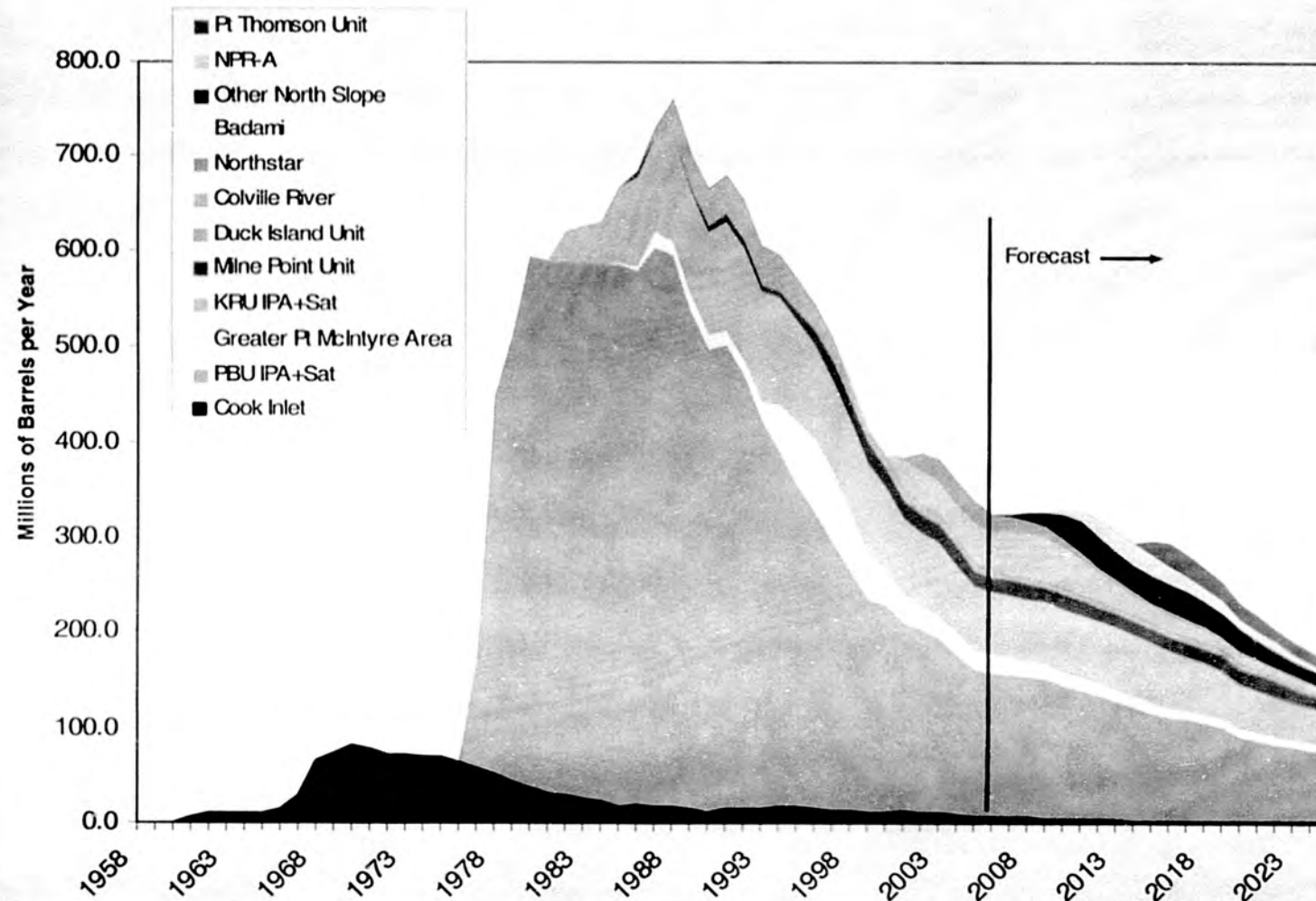
Nikaitsuq Schrader Bluff (pending)

Total = 36

Oil and Gas Unit Activity 1995 - 2006



Alaska Historic and Projected Oil Production 1958 - 2025



Incentives



Oil and Gas Incentives*

■ Royalty Reduction (DNR)

- AS 38.05.180(j) allows reduction to as low as 5 percent royalty for new production or as low as 3 percent for producing or shut-in fields.
- Reduction in royalties to as low as 5 percent for oil produced from certain Cook Inlet platforms should production fall below specified levels (AS 38.05.180(f)(6)).

■ Exploration Incentive Credits (DNR)

- AS 38.05.180(i) allows up to 50 percent of drilling costs on conventional leases; up to 50 percent of seismic costs on unleased state land.
- AS 41.09.010 allows up to 50 percent of drilling and seismic costs on unleased and licensed lands; up to 25 percent on federal and private lands.

■ Discovery Royalty (DNR)

- AS 38.05.180(f)(4) Cook Inlet Sedimentary Basin. Five percent royalty for 10 years.
- AS 38.05.180(f)(5) applies to the following Cook Inlet fields: Falls Creek, Nicolai Creek, Starichkof, North Fork, Redoubt Shoals, and West Forelands. Five percent royalty on first 25 MM bbls for 10 years or 5 percent royalty on first 35 BCF for 10 years.

■ Exploration Incentive Credits; AS 43.55.025 (DOR)

- Tax credit on wells drilled >25 miles from existing unit boundary (N. Slope*); up to 20%
- Tax credit on wells drilled >3 miles from any existing oil or gas well (N. Slope*); up to 20%
- Tax credit on wells drilled >3 miles from any existing oil or gas well *and* >25 miles from an existing unit boundary (N. Slope*); up to 40%
- Tax credit on seismic exploration activity; up to 40%

■ PPT (DOR)

- AS 43.55.023(a) provides for tax credit for Alaska capex (reinvestment) at 20% rate (may be transferred or carried-forward)
- AS 43.55.023(b) provides for tax credit for 20% of net losses (may be transferred or carried-forward)
- AS 43.55.024 provides a tax credit up to \$12 million for small volume producers, phases out on a sliding scale for large volume producers (not transferable)

*Cook Inlet requirements vary

North Slope Development Activities (1)

2005 - 2006

Project Name	Status	Expected Start-Up Date	Estimated Reserves or Expected Production
BP Gas Hydrate well - Mount Elbert	One exploration well permitted	2007	Not disclosed
CRU Satellite Development: CD3 - Fiord & CD4 - Nanuq. Add 2 Satellite Drill sites for Fiord pool and Nanuq pool	Gravel pads in-place; development drilling started 4th Qtr 2005 and expected to continue through Spring 2008	CD3 - Fiord: August 2006 CD4 - Nanuq: November 2006	CD3 - Fiord: 20,000 - 24,000 BOPD at peak production CD4 - Nanuq: 10,000 - 13,000 BOPD at peak production
CRU ACX-III: Add equipment to optimize Alpine and Alpine Satellites enhanced oil recovery projects and add reserves by recovering and selling heavier condensate components from produced gas stream	Project Completed	December 2006	3,000 - 4,000 BOPD incremental
CRU Satellite Development: CD2 - Qannik	• New CD2 gravel in 2006 and facilities installed in 2008 • One well completed and tested	Mid-2008	Peak annual rate of 4,000 BOPD
Cronus Unit	One exploration well drilled	Evaluating	Not disclosed
Jacob's Ladder	One exploration well permitted	2007	Not disclosed
KRU West Sak	• Three multiple tract delineation wells drilled in NE West Sak • Anticipated PA expansion in 2007	Producing	11,437 BOPD
Kupcake	One exploration well planned	2007 (delayed)	Not disclosed
Liberty Development (OCS)	EIS for onshore extended reach drilling under way	??	120MMBO recoverable (est)
Maggiore #1	One exploration well planned	2007	Not disclosed

North Slope Development Activities (2)

2005 - 2006

Project Name	Status	Expected Start-Up Date	Estimated Reserves or Expected Production
Milne Point Unit - Kuparuk PA	One delineation well planned in 2007	Producing	Not disclosed
Milne Point Unit - Sag River PA	• Reprocessing seismic and completing modeling to advance understanding of effective water-flood techniques • C Pad facility upgrade planned • Sag River development wells planned for 2008	Producing	Not disclosed
Milne Point Unit - Schrader Bluff PA	Two delineation wells planned in 2007	Producing	Not disclosed
Nikaitsuq Development	• Nikaitsuq Unit expansion application to be submitted in 2007 • Two wells drilled in the 2006-2007 season • Currently delineation drilling and constructing facilities	2008	Not disclosed
Ooguruk Development	• Unit expansion application submitted • Island construction complete • Sub-sea pipeline construction under way	2007	15,000 - 20,000 BOPD
Rock Flour Unit	Two exploration wells planned in 2007	??	Not disclosed
Point Thomson	No development activity - Unit terminated	??	75,000 bbls. condensate/day
Prudhoe Bay Oil and Gas Rim	In 2006 completed facility upgrades and approximately 29-39 rotary drilling penetrations and 16-22 coiled tubing penetrations	Producing	Forecast for initial participating area in 2007 is approx. 350,000 BOPD with downtime and NGLs
PBU Orion and Borealis	Facility expansions and drilling planned over five years as part of WRD expansion	Producing	Forecast approximately incremental 50,000 bopd by 2011 in WRD expansion
(West Sak/Schrader Bluff) Shallow Sands/ Heavy Oil	Continuing drilling and development at PBU/MPU/KRU	Producing	1.0 - 1.5BBO recoverable, 43,000 BOPD current rate 140 MBOPD by 2010 (est)

Cook Inlet Activity Summary - 2006 (1)

- **Beluga River Unit – ConocoPhillips**
 - 3D seismic survey planned for 2006-2007 winter season.
- **Cosmopolitan Unit – Pioneer (Oil discovered in 1967 by Penzoid)**
 - Hansen #1 well P&Aed, successful results.
 - Hansen #1A well completed as oil producer, test production was trucked to Nikisiki refinery.
 - Pioneer intends to drill sidetrack exploration well Hansen #1B to further develop and evaluate unit in 2007.
- **Deep Creek Unit – Chevron**
 - Happy Valley wells drilled in 2004. Some of these wells have been successful, some not.
 - Unocal built gas pipeline connecting Happy Valley pad to Kenai - Kachemak Pipeline (KKPL) . Start-up Nov. 1, 2004.
 - Ongoing gas production from Tyonek and Beluga in the Happy Valley wells.
- **Granite Point – Chevron**
 - Redevelopment of field under way.
- **Kasilof Unit – Marathon**
 - Kasilof South #1 and #1L drilled 2003-2004.
 - Production facilities installed and construction of a 6 inch lateral pipeline from Kasilof South Pad to the KKPL started February 2006. Production started November 2006.
 - A 3D seismic survey over the unit area expected to commence 2006 - 2007 time period.

Cook Inlet Activity Summary - 2006 (2)

- **Middle Ground Shoals Field – Chevron & XTO**

- While XTO continues operations at two platforms, Chevron has ceased operations at this field and placed its two platforms (Baker and Dillon) in lighthouse mode.
- Decision on “decommissioning (REMOVING)” Baker and Dillon platforms still to come.
- (PER BRIAN – Chevron re-evaluating all Cook Inlet development projects)

- **Nicolai Creek Unit – Aurora**

- Field development continues.

- **Nikolaevsk Unit – Chevron**

- Continued evaluation for delineation and development.
- Final year of a three-year plan of exploration.
- No development to date.
- Negotiations under way with Enstar to build pipeline.
- Red #3 planned

- **Ninilchik Unit – Marathon**

- 3 approved Participating Areas within unit area: Falis Creek (FC), Grassim Oskolkoff (GO), and Susan Dionne (SD); 1 new proposed Participating Area: Paxton PA.
 - SD #5 and Ninilchik State #2 wells drilled in 2006.
 - Three new wells planned for 2007.
- Installation of production facilities at the Ninilchik state pad, and construction of a lateral pipeline from Ninilchik pad to KKPL are in progress. These facilities are expected to be operational in early 2007.
- Pad - based compression planned for the G.O. pad in 2007.
- G.O. #4 well completed in 2006.

- **North Cook Inlet Unit – ConocoPhillips**

- Infill drilling and bypassed gas study under way.

Cook Inlet Activity Summary - 2006 (3)

- **North Fork Unit – Gas Pro Alliance**

- Operator considering development.
- Negotiations are underway with Enstar to build a pipeline extension to Homer.
- Two federal leases were recently transferred from BLM to DNR. The unit is now a totally state-managed unit.

- **Redoubt Unit – Forest Oil**

- RU #1, #5a and #7 are currently producing.
- 2004 drilling results indicate the field is more complicated than previously thought.

- **Three Mile Creek Unit - Aurora**

- Unit approved March 26, 2004.
- Unit terminated November 2006 to focus on single lease production.
- Objective is Beluga Formation gas zones bypassed by earlier operator.
- Additional 2-D seismic acquired.
- Three Mile Creek #3 well permitted for 2007.

- **Trading Bay Unit/McArthur River Field – Chevron**

- Chevron refocusing efforts on development in this field.

- **West McArthur River Unit – Forest**

- Continued evaluation of reprocessed 3D seismic data to support additional gas wells.
- New 3D seismic survey acquired – also under evaluation.
- West Foreland #1 and #2 are producing gas on adjacent federal lease, gas allocated to unit.
- Pilot water-flood project to determine potential for additional recovery from the Hemlock reservoir (oil) under consideration.

Cook Inlet Activity Summary - 2006 (4)

- **Aurora**

- Endeavor #1 drilled at Anchor Point, announced as a dry hole.
- Long Lake #2 drilled north of Nicolai Creek Unit, plugged and abandoned.
- Tyonek Reserve #1 and Nicolai Creek #10 permitted.

- **Escopeta**

- Escopeta (and Forest Oil) considering bringing a jack-up rig into the Cook Inlet.
- North Alexander well planned.
- North Alexander Unit proposed.
- Kitchen and East Kitchen Units proposed.

- **Forest**

- Announced intent to sell Cook Inlet producing properties.
- Drilled Middle Lake unit #1A.
- Corsair Unit proposed.

- **Storm Cat Energy**

- Exploration well Northern Dancer #1 drilled in Mat-Su region.

- **Gas Storage**

- Gas storage leases approved at Kenai gas field in 2006 and Pretty Creek in 2005.

- **Recent New Players**

- Storm Cat Energy
- Benchmark Oil and Gas
- Pioneer Natural Resources
- Geo Petro Alliance
- Rutter and Wilbanks

North Slope Reserves & Resources 1/1/2006

<i>Field</i>	<i>Discovery</i>	<i>Produced</i>	<i>Developed In-Place Resource Million Bbls</i>	<i>High In-Place Resource OOIP Million Bbls</i>	<i>Estimated Ultimate Recovery Million Bbls</i>	<i>Cumulative Liquids Million Bbls</i>	<i>Remaining Oil Reserves Million Bbls</i>	<i>Gas Reserves Bcf</i>
Badami <i>BP Exploration</i>	1990	1998	300	500	6	4	2	-
Barrow <i>North Slope Borough</i>	1949	1958						34
Colville River <i>ConocoPhillips</i>	1994	2000	1,264	1,460	647	185	462	400
Endicott <i>BP Exploration</i>	1978	1986	1,157	1,157	585	466	119	843
Kuparuk River <i>ConocoPhillips</i>	1969	1981	7,409	8,492	3,538	2,138	1,400	1,150
Milne Point <i>BP Exploration</i>	1969	1985	2,312	3,062	633	236	397	14
Northstar <i>BP Exploration</i>	1984	2001	250	250	205	90	115	450
Prudhoe Bay <i>BP Exploration</i>			28,807	32,120	15,201	12,203	2,999	24,526
Undeveloped Ugnu & Schrader	1969		-	>10,000				
Pt. Thomson <i>Exxon</i>	1975			400	250		250	8,000
Walakpa <i>North Slope Borough</i>	1988	1992						25
Totals			41,499	57,441	21,059			35,442

North Slope Reserves & Resources								
11/2006								
Field Reservoir	Discovery Year	Produced Year	Developed In-Place Resource Million Bbls	High In-Place Resource Million Bbls	Estimated Ultimate Recovery Million Bbls	Cumulative Liquids Million Bbls	Remaining Reserves Million Bbls	Gas Reserves Bcf
Badami	1990	1998	300	600	6	4	2	-
BP Exploration								
Barrow	1949	1958						34
North Slope Borough								
Colville River	1994	2000	1,264	1,460	647	186	462	400
ConocoPhillips Alaska								
Alpine	1994	2000	1100	1,100	465	185	280	400
Fiord - Nechelek	1992	2006	60	130	65		65	
Fiord - Kuparuk	1992	2006	20	60	48		48	
Nanuq	1996	2001	84	170	69	0	69	
Nanuq - Kuparuk	2000	2006	21	36	28		28	
Endicott	1978	1986	1,167	1,167	686	466	119	843
BP Exploration								
Endicott	1978	1986	1130	1,130	572	455	117	843
Sag Delta North	1978	1989	14	14	8	8	-	
Eider	1998	1998	13	13	5	3	2	
Kuparuk River	1969	1981	7,409	8,492	3,638	2,138	1,400	1,160
ConocoPhillips								
Kuparuk	1969	1981	5100	5,100	2,889	2,025	864	1,000
West Sak	1971	1983-1997	2000	3,000	481	20	461	100
Tarn	1991	1998	136	136	120	73	47	50
Tabasco	1995	1998	48	131	25	11	14	
Meltwater	2000	2001	125	125	24	10	14	
Milne Point	1969	1985	2,312	3,062	633	236	397	14
BP Exploration								
Kuparuk	1969	1985	1,000	1,000	362	190	172	14
Schrader Bluff	1969	1989	1,250	2,000	264	45	219	
Sag River	1969	1994	62	62	8	2	6	
Northstar	1984	2001	260	260	206	90	116	460
BP Exploration								
Prudhoe Bay			28,807	32,120	16,201	12,203	2,999	24,626
BP Exploration								
Prudhoe	1967	1969	23,000	25,000	13,781	11,284	2,497	23,000
Lisburne	1967	1981	3,000	3,000	200	157	43	1,000
Orion	1968	2002	1,070	1,785	210	205	5	
Aurora	1969	2000	110	150	63	15	49	
Borealis	1969	2001	195	280	151	38	114	
Polaris	1969	1969	350	750	48	5	43	
North Prudhoe	1970	1993	12	12	3	2	1	
West Beach	1976	1993	12	65	9	4	5	
Niakuk	1985	1994	218	218	105	84	21	26
Point McIntyre	1988	1993	800	800	602	397	205	500
Midnight Sun	1997	1998	40	60	29	13	16	
Undeveloped Ugnu & Schrader	1969		-	>10,000				
Pt. Thomson	1975			400	260		260	8,000
Exxon								
Walakpa	1988	1992						26
North Slope Borough								
Totals			41,499	67,441	21,069			36,442

Cook Inlet Oil Reserves & Resources
1/1/2006

Field Operator	Reservoir	Discovery Year	Production Year	Remaining Reserves million bbls	Produced (Oil & NGL million bbls	Estimated Ultimate Recovery million bbls	In-Place Resources million bbls
BEAVER CREEK Marathon Oil Co.	BEAVER CREEK	1972	1973	1	4	6	20
GRANITE PT	total			26	143	169	600
*Union Oil Co of Calif	HEMLOCK UNDEFINED	1965	1992		2		
	MIDDLE KENAI	1965	1967		141		
MCARTHUR RIVER	total			16	631	647	1,530
*Union Oil Co of Calif	HEMLOCK	1965	1967		543		
	MIDDLE KENAI G	1965	1967		63		
	UNDEFINED	1965	1990		0		
	W FORELAND	1965	1969		25		
MIDDLE GROUND SHOAL	total			18	193	211	615
*Union Oil Co of Calif	A	1962	1967		3		
&	BCD	1962	1965		12		
XTO Energy	EFG	1962	1965		178		
REDOUBT SHOAL Forest Oil	UNDEFINED	1968	2002	1	2	3	25
SWANSON RIVER	total						435
*Union Oil Co of Calif	HEMLOCK UNDEFINED	1957	1958	1	230	231	
TRADING BAY	total			3	102	105	385
*Union Oil Co of Calif	G-NE/HEMLOCK-NE	1965	1968		24		
	HEMLOCK	1965	1967		14		
	MID KENAI B	1965	1968		4		
	MID KENAI C	1965	1967		21		
	MID KENAI D	1965	1967		29		
	MID KENAI E	1965	1967		8		
	UNDEFINED	1965	1973		1		
	W FORELAND	1965	1985		0		
W MCARTHUR RIVER Forest Oil	W MCARTHUR RIVER	1991	1993	3	11	14	40
Total				69	2,386	1,386	3,650

*Chevron - dba Union Oil of Calif

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Field Operator	Discovery Year	Production Year	Remaining Reserves Bcf	Cumulative Production Bcf	Estimated Ultimate Recovery Bcf
MCARTHUR RIVER	1965	1967	161	2,314	2,475
*Union Oil Co of Calif.					
KENAI	1959	1961	140	2,290	2,431
Marathon					
NORTH COOK INLET	1962	1969	321	1,678	1,999
Marathon					
BELUGA RIVER	1962	1963	539	961	1,500
ConocoPhillips					
BEAVER CREEK	1967	1972	36	185	222
Marathon					
KENAI C.L.U.	1959	1988	69	139	208
Marathon					
IVAN RIVER	1966	1990	77	77	154
*Union Oil Co of Calif.					
GRANITE PT	1965, 1993	1967, 1995	13	129	143
*Union Oil Co of Calif.					
MIDDLE GROUND SHOAL	1962, 1982	1965, 1982	3	125	128
*Union Oil Co of Calif.					
UNDER DEVELOPMENT			266	-	266
Others			121	239	360
Total			1,747	8,139	9,886

*Chevron - dba Union Oil of Calif

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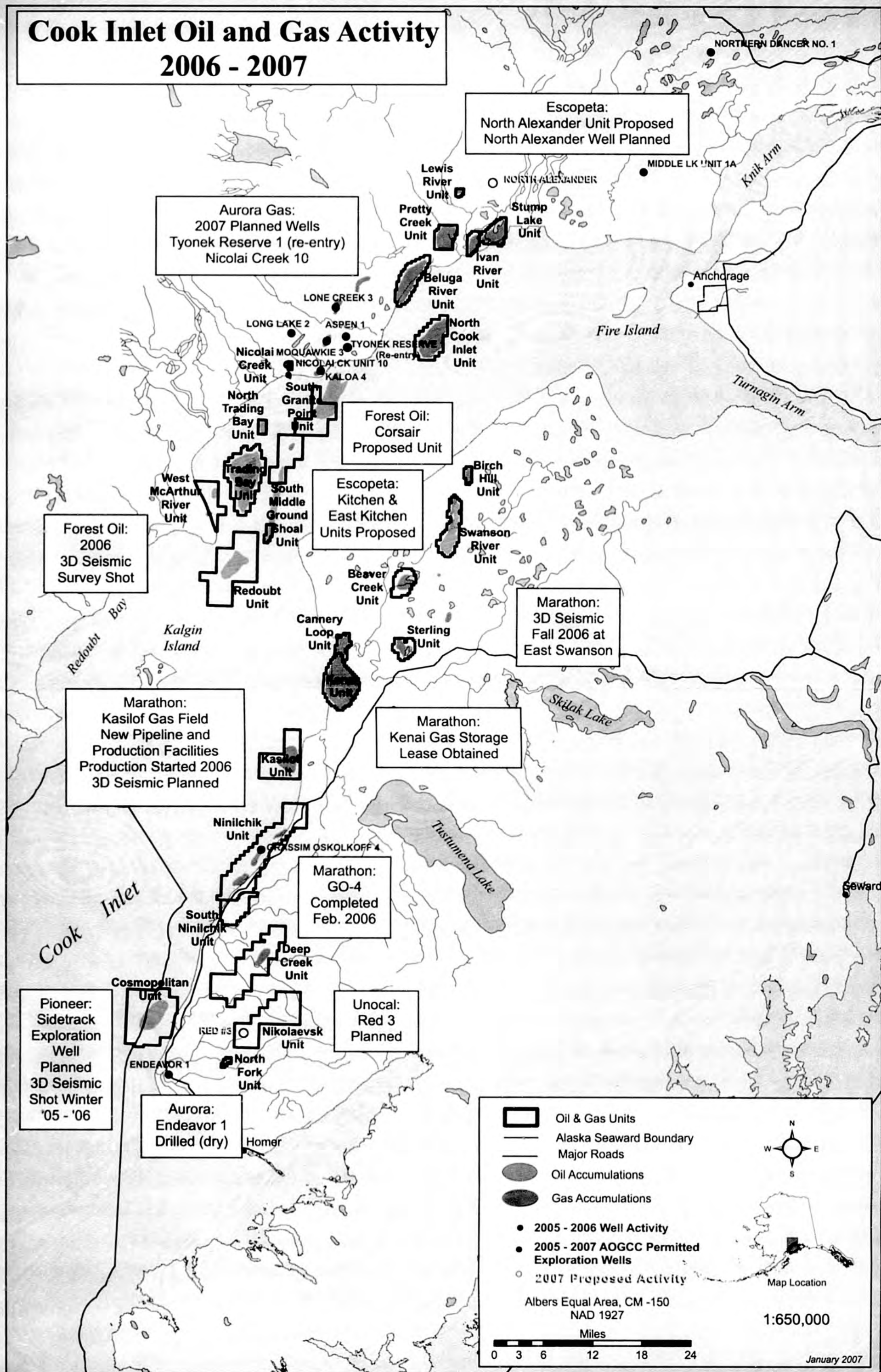
<i>Field Operator</i>	<i>Discovery Year</i>	<i>Production Year</i>	<i>Remaining Reserves Bcf</i>	<i>Cumulative Gas Bcf</i>	<i>Estimated Ultimate Recovery Bcf</i>
ALBERT KALOA	1968	2004	2	2	4
<i>Aurora Gas</i>					
BEAVER CREEK	1967	1972	36	185	222
<i>Marathon</i>					
BELUGA RIVER	1962	1963	539	961	1,500
<i>ConocoPhillips</i>					
BIRCH HILL	1965			0	0
DEEP CREEK	2003	2004	23	4	27
<i>Marathon</i>					
GRANITE PT	1965, 1993	1967, 1995	13	129	143
<i>*Union Oil Co of Calif</i>					
IVAN RIVER	1966	1990	77	77	154
<i>*Union Oil Co of Calif</i>					
KENAI	1959	1961	140	2,290	2,431
<i>Marathon</i>					
KENAI C.L.U.	1959	1988	69	139	208
<i>Marathon</i>					
KUSTATAN		2005	0	0	0
<i>Forrest Oil</i>					
LEWIS RIVER	1975	1984	0	12	12
<i>*Union Oil Co of Calif</i>					
LONE CREEK	1998	2003	2	4	5
<i>Aurora Gas</i>					
MCARTHUR RIVER	1965	1967	161	2,314	2,475
<i>*Union Oil Co of Calif</i>					
MIDDLE GROUND SHOAL	1962, 1982	1965, 1982	3	125	128
<i>*Union Oil Co of Calif</i>					
MOQUAWKIE	1965	1967	2	3	4
<i>Aurora Gas</i>					
NICOLAI CREEK	1966	1968	2	3	6
<i>*Union Oil Co of Calif</i>					

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Field Operator	Discovery Year	Production Year	Remaining Reserves Bcf	Cumulative Gas Bcf	Estimated Ultimate Recovery Bcf
NINILCHIK	1961	2003	51	30	80
<i>Marathon</i>					
NORTH COOK INLET	1962	1969	321	1,678	1,999
<i>ConocoPhillips</i>					
NORTH FORK	1965			0	0
PRETTY CREEK	1979	1986	0	9	9
<i>*Union Oil Co of Calif</i>					
PIONEER	1999		0	0	0
<i>Evergreen</i>					
REDOUBT SHOAL	1968	2003	1	1	2
<i>Forest Oil</i>					
STERLING	1961	1962	6	6	13
<i>Marathon</i>					
STUMP LAKE	1978	1990	-	6	6
<i>*Union Oil Co of Calif</i>					
SWANSON RIVER	1957, 1960	1958	9	63	72
<i>*Union Oil Co of Calif</i>					
THREE MILE CREEK		2005	4	0	5
<i>Aurora Gas</i>					
TRADING BAY	1965, 1979	1967, 1980	9	83	92
<i>Marathon</i>					
WEST FORELAND	1962	2001	8	5	13
<i>Forest Oil</i>					
WEST FORK	1960	1962	1	4	5
<i>Marathon</i>					
W MCARTHUR RIVER	1961	1993	1	3	4
<i>Forest Oil</i>					
WOLF LAKE	1998	2001	0	1	1
<i>Aurora Gas</i>					
UNDER DEVELOPMENT			266	-	266
<i>Chevron - dba Union Oil of Calif</i>			1,747	8,139	9,886

Cook Inlet Oil and Gas Activity 2006 - 2007



North Slope Oil and Gas Activity 2006 - 2007

