

COOK INLET EXPLORATION MILESTONES

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Oil & Gas Cook Inlet Milestones: 1800's - 1940's

1800's:
**Oil Seeps documented
 along Gulf of Alaska**

Early to Mid 1900's:
**The search for Oil
 continues**

*Oil claims
 staked at
 Katalla
 1896*

**Oil:
 Katalla
 1902**

*Shallow well
 drilled in
 Anchorage
 1920*

*Further exploration
 on AK Peninsula,
 Iniskin Peninsula, &
 Gulf of Alaska, with
 no commercial success
 1920's - 1940's*

*Oil claims
 staked on
 Iniskin Pen.
 at Oil Bay
 1890's*

*Wells drilled on
 Iniskin Penn.
 at Dry Bay
 1902*

*Shallow well
 drilled in
 Chickaloon
 1928*

*First well
 spudded on
 Iniskin Penn.
 at Oil Bay
 1898*

*Alaska lands
 withdrawn from
 leasing due
 to oil glut
 1910*

*Alaska lands
 reopened
 for leasing
 1920*

1800's

1890's

1902

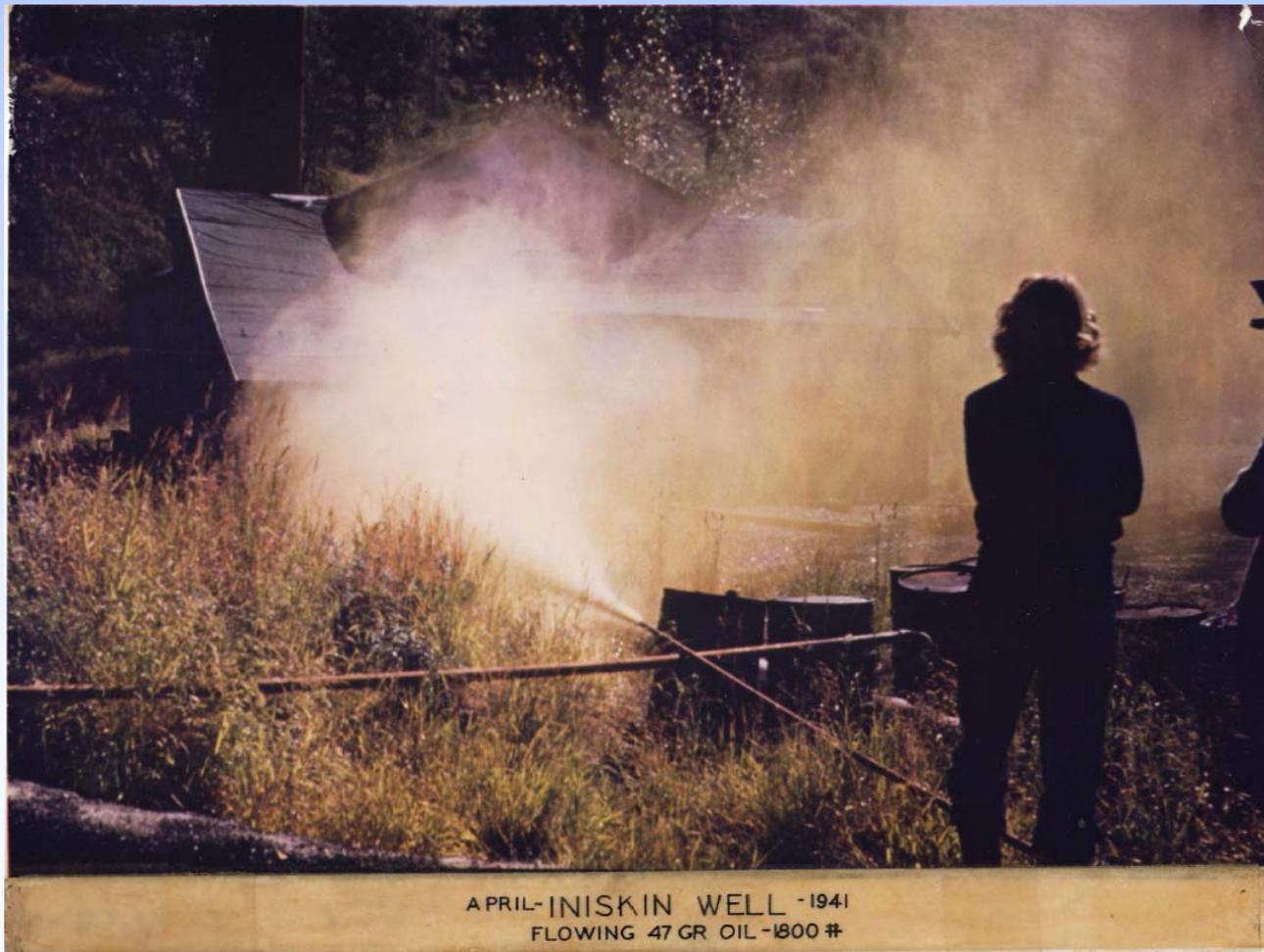
1910

1920

1930 - 1949



The Early Years



APRIL-INISKIN WELL -1941
FLOWING 47 GR OIL-1800 #

Oil & Gas Cook Inlet Milestones: 1950-1959

Early 50's:
Federal acreage limit per company changes from 15,360 acres to 100,000 acres

Focus shifts to the Kenai peninsula

Sterling Highway Completed 1951

Mid 50's:
Promoting & brokering leases in C.I. takes off

AK Gulf Oil #1 near Knik, AK & Rosetta #1 near Houston, AK drilled 1955

Richfield & Marathon file for Swanson River Leases (71,000 acres) & Unocal files for leases North of Kenai (200,000 acres) 1953 - 1954

Richfield, Marathon, & Unocal combine leases to form Swanson River 1955

Late 50's:
Leasing rush in Southern AK, 100 companies active & 18MM acres under lease

Oil: Swanson River 1957

Chevron buys 50% of ARCO's interest in C.I. for \$30MM (\$204MM in today's \$) 1957

Gas: Kenai Gas Field 1959

Alaska Statehood 1959
1st state offshore Lease Sale in C.I. 1959

1950 1951 1952 1953 1954 1955 1956 1957 1958 1959

Oil & Gas Cook Inlet Milestones: 1960-1969

Early 60's:

Exploratory drilling activity explodes

Mid 60's:

**Placement of offshore production platforms begins
Exploratory drilling peaks in 1966
Development drilling peaks in 1968**

*Moon Landing
1969*

**Gas:
West Fork
1960**

**Gas:
Beluga River
& North C.I.
1962**

**Gas:
Beaver
Creek
1965**

**Gas:
Ivan
River &
Nicolai
Creek
1966**

**Gas:
3 Mile
Creek
1967**

**Oil:
Prudhoe
Bay
1968**

**Gas:
Sterling &
Falls Creek
1961**

**Oil & Gas:
Granite
Point &
Trading Bay
1965**

**Oil:
Redoubt
Shoal
1968**

**Oil:
Middle
Ground
Shoal
1962**

**Oil:
Starichkof
(Cosmopolitan)
1967**

*Nikiski LNG
begins
exporting
to Japan
1969*

Kenai Gas Field production begins 1960
Swanson River Oil Field production begins 1961

Chevron opens C.I. refineries 1963

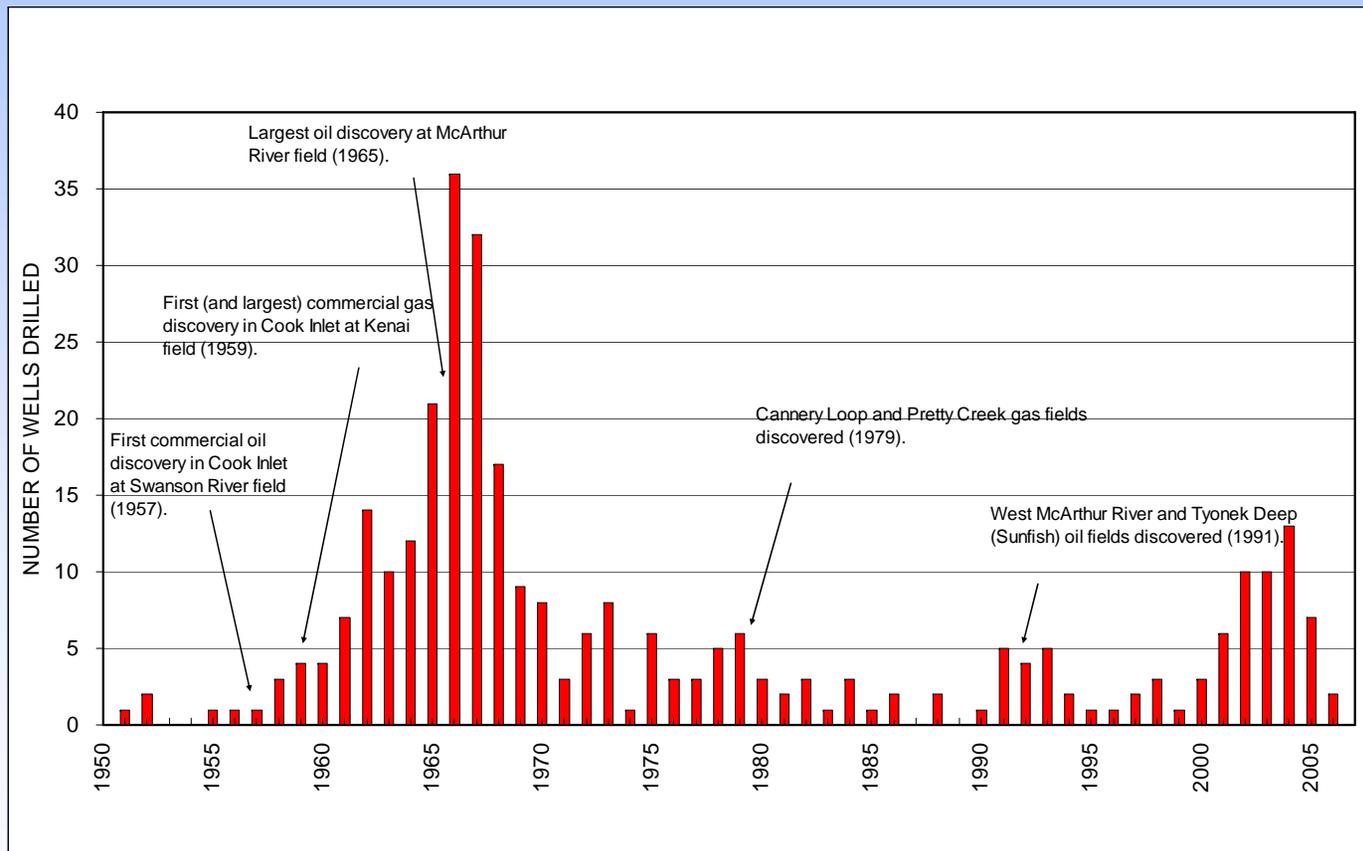
**Oil:
McArthur
River
1965**

Unocal fertilizer plant starts operation 1968
Tesoro refinery begins operation 1969

1960 1961 1962 1963 1964 1965 1966 1967 1968 1969

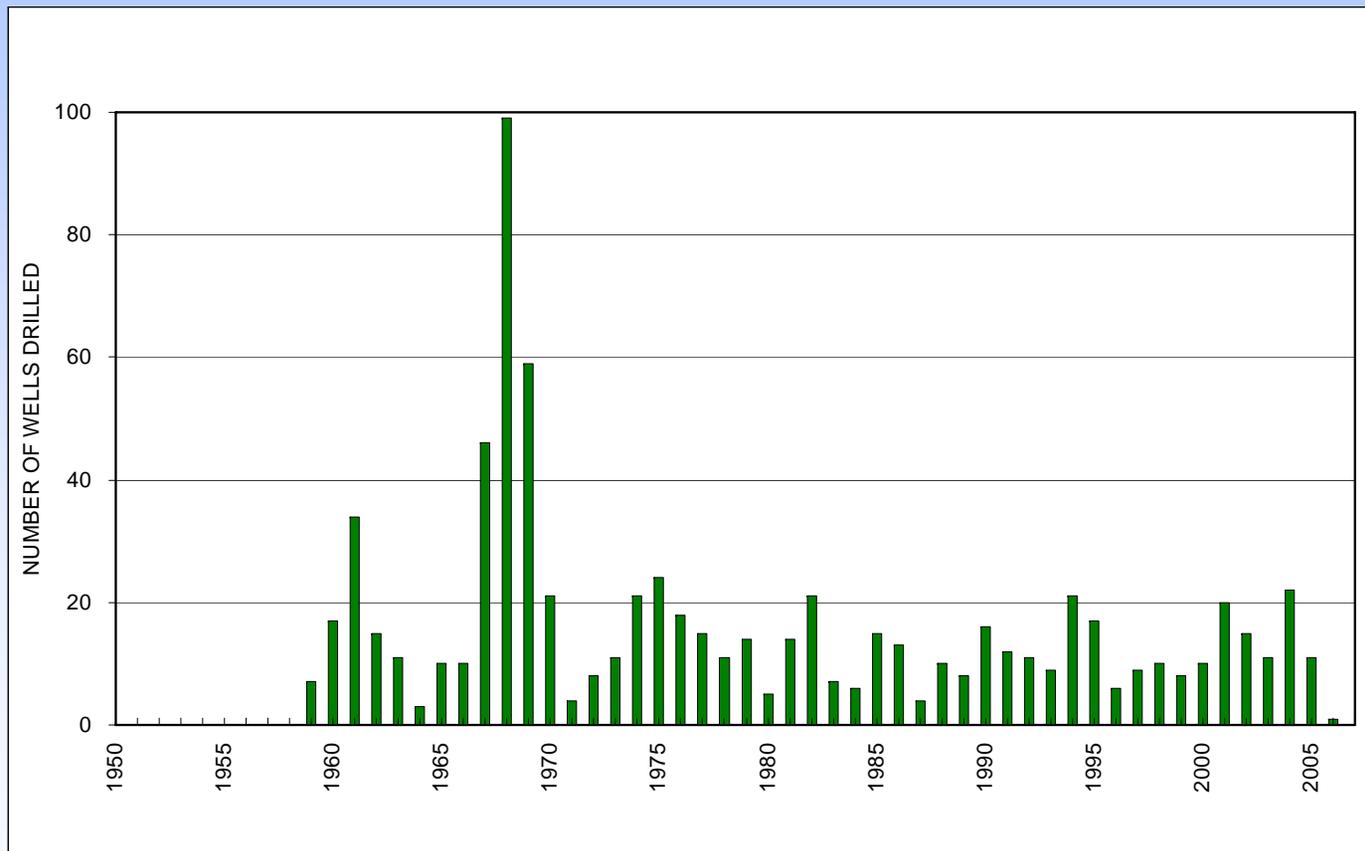
Cook Inlet Exploration Wells

1950-Present



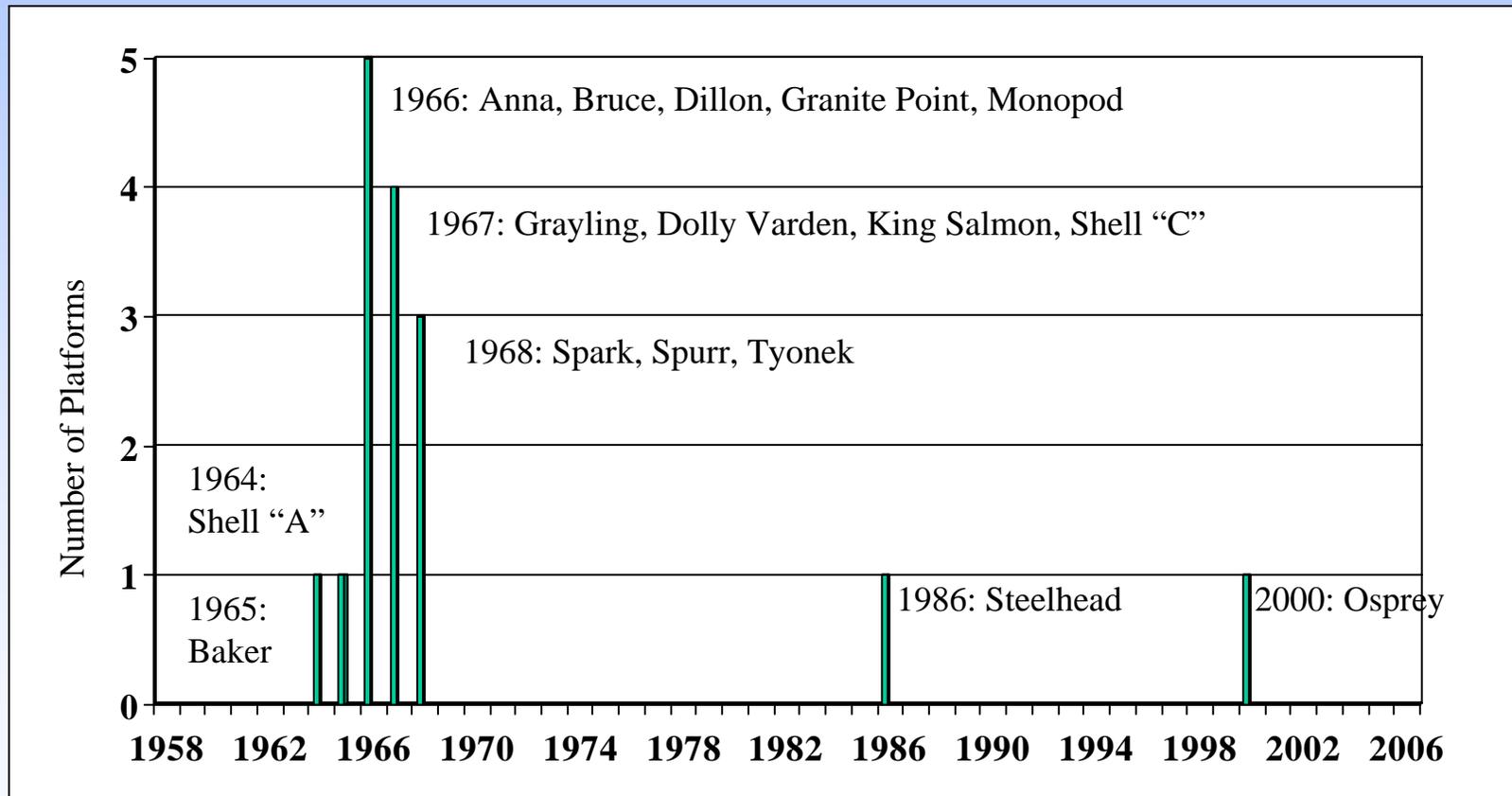
Cook Inlet Development Wells

1950-Present



Cook Inlet Oil & Gas Platforms

1958-Present



**Baker
platform**

Cook Inlet



**Monopod
platform**

Cook Inlet



Oil & Gas Cook Inlet Milestones: 1970-1989

Early 70's:
Exploration in
Gulf of Alaska -
Federal OCS

*C.I. Oil
peaks at
225,000 b/d
1970*

*ANCSA
gives AK
natives
44MM acres
and \$962MM
in cash
1971*

Late 70's:
Gas exploration increases as new
LNG and iron ore reduction
projects are considered

*TAPS
completed
1977*

**Gas:
Lewis River
1975**

*Tesoro constructs
a pipeline from
Nikiski refinery
to Anchorage
airport & port
1976*

*Permanent
Fund
established
1976*

**Gas:
Stump Lake
1978**

*Unocal
fertilizer
plant at
Nikiski
expanded
1978*

Early 80's:
Exploration in
lower Cook Inlet -
Federal OCS,
Upper C.I. at Kalgin Isle.,
Fire Isle., and S.R.S.

**Gas:
Cannery Loop
& Pretty Creek
1979**

**Gas:
Wolf Lake
1983**

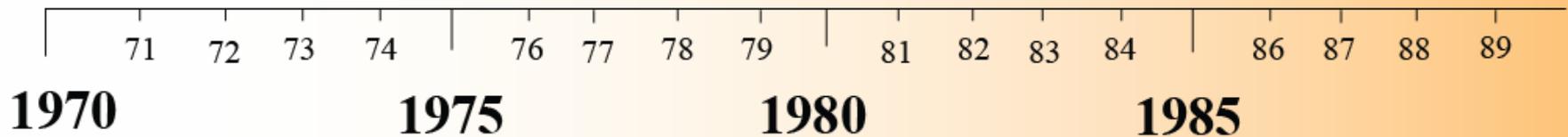
*Legislature
decrees
state to
receive all
Seismic data
shot on it's lands
1981*

Mid to Late 80's:
Recession - Oil price
crash and state spending
cut; 1 in 10 jobs
dissappear from
AK workforce

*Valdez
oil spill in
Prince
William
Sound
1989*

*Marathon
installs
Steelhead
platform
1985*

*Natural Gas
prices
deregulated
1989*



Oil & Gas Cook Inlet Milestones: 1990-1999

1990's:

**Anadarko partners with ARCO
Union Texas partners with CIRI
Forcenergy partners with Stewart,
DANCO, Marathon, and Unocal**

**Gas:
Lone Creek
1998**

**Oil:
West McArthur River
1991**

**Oil:
Sunfish (Tyonek Deep)
1991**

*Union Texas
explores
CIRI land
1994*

*C.I. gas peaks
at 223 bcf/year
1996*

*Nikiski LNG
plant export
license
extended
10 years
1999*

*Ocean Energy
succeeds
Unocal as
operator of
Pioneer
Unit in
MatSu coalbed
methane project
1990*

*ARCO continues
SCI and Sunfish
drilling campaign
(science driven)
1993*

*Cross Timbers
(now XTO
purchases Shell's
interest in
Middle Ground
Shoal Field
1998*

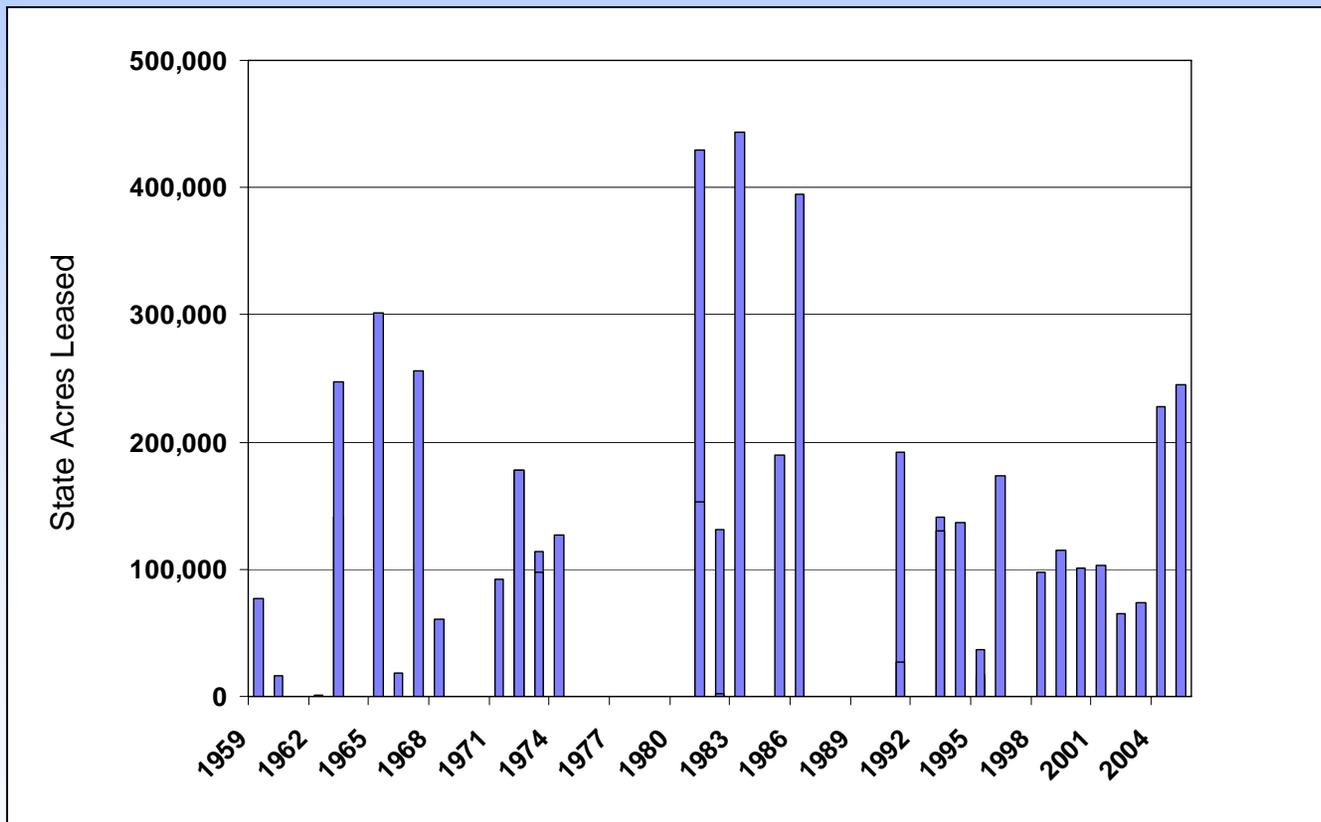
*Petro Star builds
Valdez refinery
1992*

*State starts
Areawide leasing
1996*

1990 1991 1992 1993 1994 1995 1996 1997 1998 1999

Cook Inlet – State Acres Leased

1959-Present



Oil & Gas Cook Inlet Milestones: 2000-2006

**Focus shifts to L.K.P -
Aurora, Stormcat, Pelican, Escopeta,
Rutter & Wilbanks, Benchmark, Geopetro enter C.I.**

**Gas:
Ninilchik
2000**

*Seven natural gas
exploration wells
drilled in C.I.
2001*

**Gas:
Happy Valley
2003**

**Gas:
Kasilof
Gas Field
2004**

*Osprey
Platform set
at Redoubt Shoal
2000*

*Evergreen
succeeds
Ocean
2001*

*Production begins
Redoubt Shoal
2002*

*Agrium
buys
Unocal
fertilizer
plant at
Nikiski
2000*

*BP's Gas
to Liquids
plant begins
operating
in Kenai
2001*

*Dillion & Baker
platforms shut in
2002*

*Aurora buys last
of Anadarko's
C.I. assets
2002*

*Alaska Stranded
Gas Development
Act reauthorized
2003*

*Escopeta
begins
permit of
Kitchen
Prospect
2006*

2000

2001

2002

2003

2004

2005

2006

Cook Inlet Exploration Wells

1950-Present

