



Annual Pool Statistics - 2004

Oil and Gas Conservation Commission > Annual Report > Annual Pool Statistics - 2004: Updated 17 February 2006

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Prudhoe Bay, Lisburne Oil
Prudhoe Bay, Midnight Sun Oil
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Prudhoe Bay, Niak Iv-SR Undefined Oil
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Prudhoe Bay, Orion Schrader Bluff Oil
Prudhoe Bay, Polaris Oil
Prudhoe Bay, Prudhoe Bay
Prudhoe Bay, Pt McIntyre Oil
Prudhoe Bay, PTM Stump Island Oil
Prudhoe Bay, PTM Undefined Oil
Prudhoe Bay, Ugnu Undefined WTRSP
Prudhoe Bay, W Beach Oil
Prudhoe Bay, W Beach TR Undefined WTRSP
Redoubt Shoal, Undefined Oil
Swanson River, Hemlock Oil
Trading Bay, G NE Hemlock NE Oil
Trading Bay, Hemlock Oil
Trading Bay, Mid Kenai B Oil
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Trading Bay, Mid Kenai D Oil
Trading Bay, Mid Kenai E Oil
Trading Bay, Undefined Oil
Trading Bay, W Forland Oil
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Ninilchik-Falls CK, Tyonek Undefined Gas
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Ninilchik-S Dionne, Tyonek Undefined Gas
North Cook Inlet, Tertiary Gas
North Fork, Undefined Gas
Pioneer, Tyonek Undefined Gas
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Pretty Creek, Undefined Gas
Redoubt Shoal, Undefined Gas
Sterling, Beluga Undefined Gas
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Sterling, Sterling Undefined Gas
Stump Lake, Undefined Gas
Swanson River, Beluga Undefined Gas
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Trading Bay, Undefined Gas
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Disposal Pools

Kustatan, Undefined Disposal

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Swanson River, Gas Storage

**State of Alaska
Alaska Oil and Gas Conservation Commission
2004 Annual Report**

PREFACE

The Alaska Oil and Gas Conservation Commission ("Commission") is an independent, quasi-judicial agency of the State of Alaska, established by the Alaska Oil and Gas Conservation Act (AS 31). Regulations adopted by the Commission can be found in Title 20, Chapter 25 of the Alaska Administrative Code.

Our mission is to prevent physical waste of hydrocarbon resources, promote greater ultimate recovery, protect underground supplies of drinking water, and afford all owners of oil and gas rights an equal opportunity to recover their fair share of the resource. We accomplish this in two ways: 1) by regulating subsurface oil and gas drilling, development, production, reservoir depletion and metering operations on all lands in the exercise of the State's police powers, and 2) by compiling and maintaining drilling, completion, and production information for all wells within the State, and making the non-confidential portion of that information readily available to the public. The United States Environmental Protection Agency ("EPA") has delegated to the Commission primary responsibility for the Class II Underground Injection Control ("UIC") program in Alaska, which encompasses operations for enhanced oil recovery ("EOR") and underground disposal of oil field wastes.

The Commission consists of three Commissioners, seven technical professional staff members, five field inspectors, and 12 support staff. Our annual budget is funded by the oil and gas companies operating in Alaska through an annual regulatory cost charge assessed pursuant to AS 31.05.093. In 2004, the Commission's budget amounted to slightly more than one cent per barrel of produced oil. To find out more about the Commission and the information we have available for the public, please visit our web site at www.aogcc.alaska.gov.

INTRODUCTION

The Commission is providing this annual report for the calendar year 2004 as a public service. It is intended to offer key administrative, engineering and geologic information on oil and gas operations throughout the State. This information may be used as a basis for preliminary engineering analyses of producing properties and development activities, and also for the development of analogs for exploratory projects. The contents of this report are abstracted from a wide variety of information from Alaskan petroleum exploration and development operations that the Commission routinely collects. We invite requests for additional information.

ACTIVE AND INACTIVE POOLS

The Commission maintains jurisdiction over all active and inactive oil and gas pools and disposal wells throughout the State. At the end of 2004, there were 56 oil pools, 60 gas pools, 4 source water pools and 28 disposal projects statewide. Of these, 42 oil pools, 39 gas pools, 3 source water pools and 24 disposal projects were active. In addition to production and disposal operations, there were 32 EOR projects underway in the operating oil pools, utilizing water, immiscible gas, or miscible gas as energizing fluids to improve resource recovery.

Three new gas pools began regular production in 2004:

OPERATOR	GEOLOGIC BASIN	FIELD	RESERVOIR	HC TYPE
Aurora Gas, LLC	Cook Inlet	Albert Kaloa	Undefined	Gas
Forest Oil Corporation	Cook Inlet	West Foreland	Tyonek Undefined	Gas
Union Oil Company of California	Cook Inlet	Deep Creek	Tyonek Undefined	Gas

One new source water supply pool began operation in 2004:

OPERATOR	GEOLOGIC BASIN	FIELD	RESERVOIR	TYPE
BP Exploration (Alaska) Inc.	Arctic Slope	Prudhoe Bay	Ugnu Undefined	Water

Operations began in three new waste disposal pools in 2004:

OPERATOR	GEOLOGIC BASIN	FIELD	RESERVOIR	TYPE
Marathon Oil Company	Cook Inlet	Sterling	Undefined	Disposal
Pelican Hill Oil and Gas Inc.	Cook Inlet	Iliamna*	Undefined	Disposal
Union Oil Company of California	Cook Inlet	Deep Creek	Undefined	Disposal

* Disposal injection into Iliamna #1 was limited to wastes generated during exploratory drilling of that same well. Iliamna #1 was plugged and abandoned in 2004.

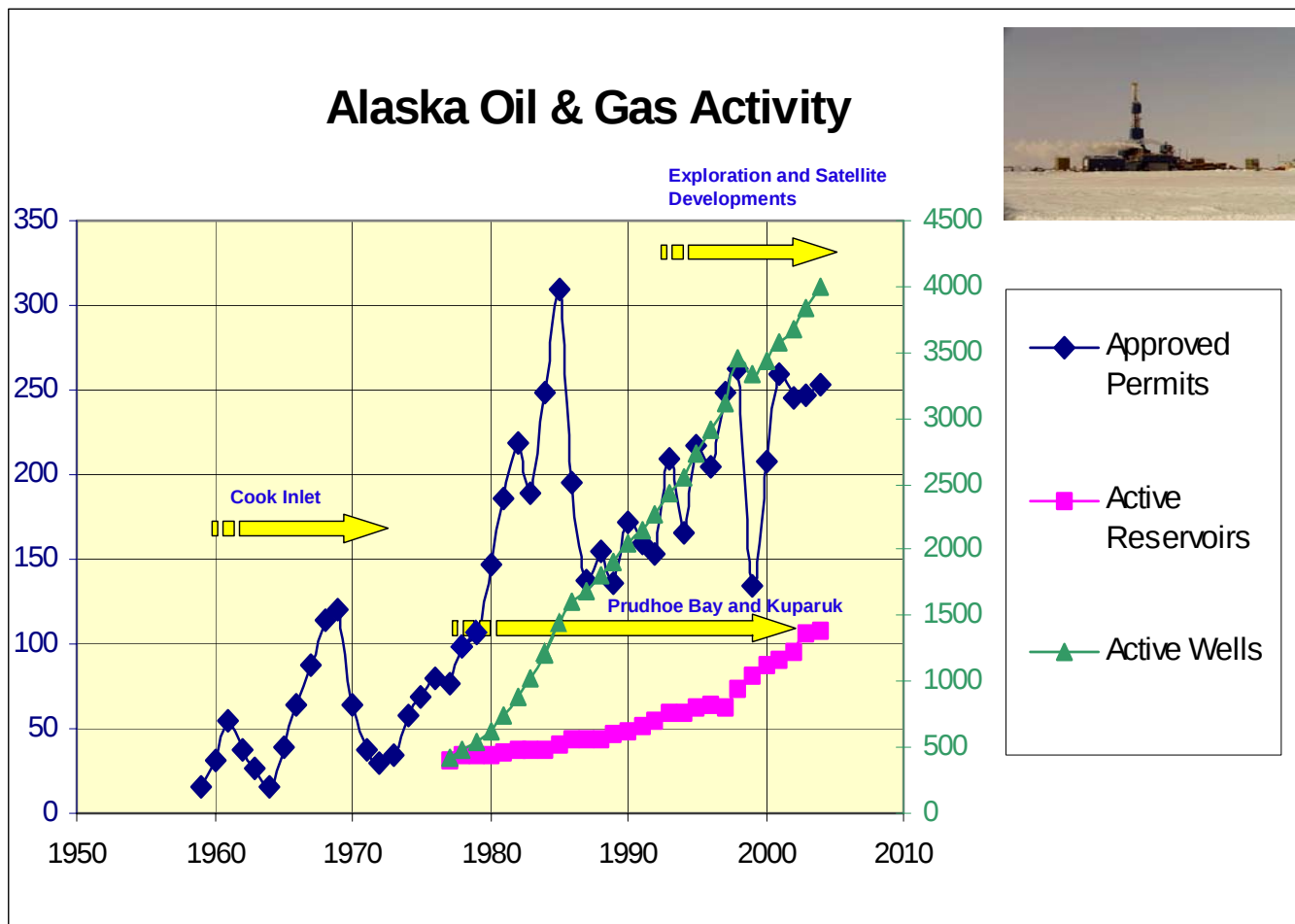
PRODUCTION

During 2004, Alaska's oil and natural gas liquid ("NGL") average production rate dropped below 1 million barrels per day for the first time since 1977. Total oil and NGL production decreased 6.2% from 1,048,740 barrels per day in 2003 (382.8 million barrels total) to 984,150 barrels per day in 2004 (360.2 million barrels total). Oil production decreased 7% from 355.6 million barrels in 2003 to 332.4 million barrels. Part of the production decrease was caused by an unplanned, extended shut down of production from the Prudhoe Bay Unit ("PBU") during August and September. The total estimated impact was a deferral in production of 2.5 million barrels of oil. Another major impact on Alaska's production occurred during maintenance and upgrade of the Alpine Oil Field facilities, in the Colville River Unit ("CRU"), during July and August, which resulted in a 1.5 million barrel production deferral. Without these production interruptions, Alaska's daily average oil and NGL production rate would have been about 995,000 barrels per day, a decrease of 4.8% from 2003. NGL production increased slightly from 27.2 million barrels in 2003 to 27.8 million barrels in 2004, a gain of 2%. Natural gas production increased 2% to 3.7 trillion cubic feet, of which 3.2 trillion cubic feet (87%) were used for EOR purposes. Of the 515.6 billion cubic feet of remaining gas, 238.8 billion cubic feet (46%) were used to fuel oil and gas lease operations, 6.5 billion cubic feet (1%) were consumed in flaring or as pilot/purge gas (0.2%), and 270.3 billion cubic feet (52%) were sold (a 2% increase in gas sales), mainly in south central Alaska.

At year-end, Alaska's active wells (capable of production or those supporting oil or gas operations) totaled 3,988, an increase of 156 wells (4%) from 2003. These include 2,581 oil producers, 225 gas producers, 1,178 service wells (mostly injectors and water supply), and 4 gas storage wells.

COOK INLET BASIN – SIGNIFICANT PRODUCTION CHANGES

Cook Inlet oil production decreased 18% during 2004 to an average rate of 22,414 barrels per day, which was 2% of Alaska's daily oil production. Cook Inlet gas production increased by 1%, from 568 million cubic feet per day ("MMCFD") in 2003 to 571 MMCFD in 2004. On the west side of Cook Inlet, Aurora Gas LLC ("Aurora") brought the Kaloa #2 gas well on-line in October, and during December 2004, this well averaged 4.8 MMCFD. Aurora also continued regular production from the Lone Creek #1 well, and for the last quarter of 2004, this well produced at an average rate of 5.1 MMCFD, a drop of 15% from the last quarter of 2003. For Aurora's Nicolai Creek Unit, production during the last quarter of 2004 averaged 2.3 MMCFD, a decrease of 53% from December of 2003. Forest Oil Corporation ("Forest") began producing a Tyonek Undefined gas pool from the West Foreland #2 well in December 2004. During its first month of production, West Foreland #2 averaged 3.4 MMCFD over 15 operating days.



On the Kenai Peninsula, production continued from Marathon Oil Company's ("Marathon") Falls Creek, Grassim Oskolkoff, and Susan Dionne Participating Areas ("PA"), all included within the Ninilchik Unit. During December, the Falls Creek PA produced an average of 12.5 MMCFD of gas, an increase of 7% over December 2003. For the Grassim Oskolkoff PA, December production averaged 6.6 MMCFD, a 50% decrease from one year ago. Production from the Susan Dionne PA was relatively steady over the past year, averaging about 10.3 MMCFD. On November 5th, Union Oil Company of California ("Unocal") began regular production from the Happy Valley gas field within the Deep Creek Unit, located on the southern portion of the Kenai Peninsula. During December, Happy Valley production averaged 4.9 MMCFD. On the West side of the Cook Inlet, Aurora began gas production from the Kaloa #2 well. During the last quarter of 2004, Kaloa #2 averaged 4.9 MMCFD.

In July of 2004, Evergreen Resources (Alaska) Corporation ("Evergreen") curtailed pilot production from the Pioneer Unit coal bed methane ("CBM") project near Wasilla, Alaska. During September, Evergreen merged with Dallas-based Pioneer Natural Resources Company ("Pioneer"). At the end of September, Pioneer announced that it was releasing all existing shallow gas leases in the Matanuska-Susitna Borough acquired as part of its merger with Evergreen, and withdrawing exploration license applications made by Evergreen in August 2004.

ARCTIC SLOPE – SIGNIFICANT PRODUCTION CHANGES

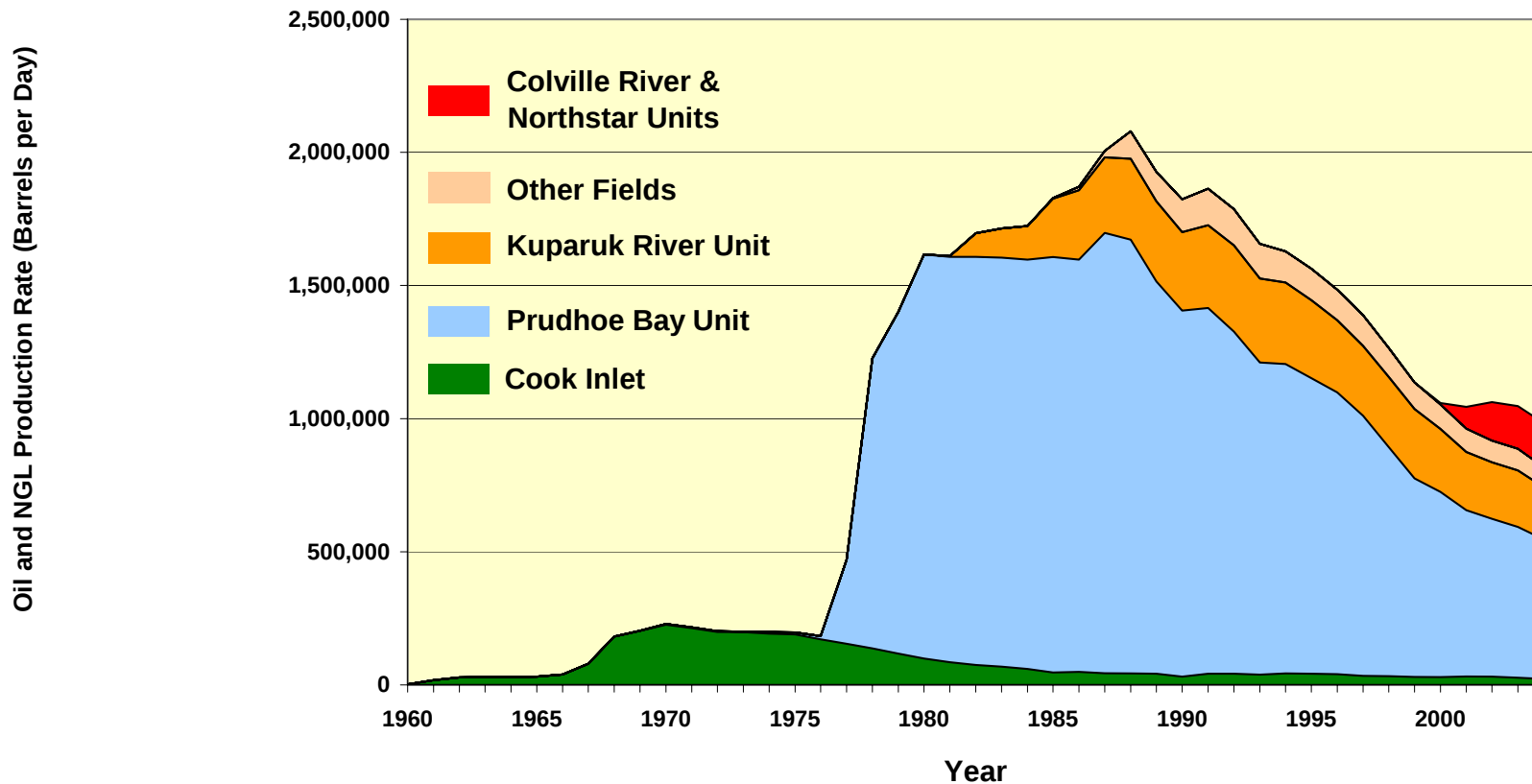
On the Arctic Slope, oil and NGL production decreased 5% to an average of 961,738 barrels per day. PBU oil and NGL production declined by 9%, a loss of 44,715 barrels per day compared to 2003. Contributing to the production impact were: unplanned downtime at PBU Gathering Center #2 in August and September resulting in a two-week extension of a scheduled turnaround (for equipment repairs and upgrades), and numerous intermittent plant shutdowns over a three-week time period at PBU Gathering Center #1. The total estimated impact on Alaska's oil production was 2.5 million barrels. By mid-October, production from PBU was restored to its normal level.

Production from the Kuparuk River Field, the second largest on the Arctic Slope, decreased by 7%, or 15,390 barrels per day during 2004. However, production from other Arctic Slope fields partially offset these losses. The Alpine Oil Field continued to improve: during 2004 Alpine averaged 98,895 barrels per day, an increase of slightly more than 1% over 2003. During 2004, ConocoPhillips Alaska Inc. ("ConocoPhillips") and its partner Anadarko Petroleum Corporation completed Phase 1 of the Alpine Capacity Expansion Project ("ACX"), a project designed to increase water and gas handling capabilities. By December 2004, Alpine oil production had climbed to 115,923 barrels per day. Both companies have approved a second phase of the ACX project, which is scheduled for completion in 2005. Oil production from BP Exploration (Alaska) Inc.'s ("BP") Northstar Island increased 9% from 62,926 barrels per day in 2003 to 68,520 barrels per day in 2004. Combined production from Northstar and Alpine averaged 167,415 barrels per day, or about 17% of Alaska's total daily oil and NGL output. Since 2000, production from Alpine and Northstar has helped stabilize Alaska's daily oil and NGL production rate at about 1 million barrels per day.

Shallower accumulations of more viscous oil (also referred to as "heavy oil") are becoming increasingly important to Alaska. Regular production of this shallower, colder, and more viscous oil has been established in the Orion and Polaris Pools within the PBU, the Schrader Bluff Pool within the Milne Point Unit ("MPU") and the Tabasco and West Sak Pools within the Kuparuk River Unit ("KRU"). During 2004, combined production from these five pools averaged 44,508 barrels per day, or 5% of Alaska's total oil output, which is a jump of 28% from 2003. Orion oil production rose from 1,008 BOPD in 2003 to 5,040 BOPD in 2004. The increase at Polaris was more modest: from 2,514 BOPD in 2003 to 2,717 BOPD in 2004. Petroleum News (October 31, 2004) reported that ConocoPhillips was investing \$500 million dollars to expand production from the West Sak Oil Pool within the KRU. As a result of ConocoPhillips continued efforts, average daily West Sak production rose approximately 50%,

from 7,804 BOPD in 2003 to 11,709 BOPD for 2004. By December 2004, West Sak production jumped to 17,072 BOPD. At Milne Point, Schrader Bluff oil production averaged 21,019 barrels per day, an increase of 10% over 2003. In 2004, the Schrader Bluff Oil Pool provided 41% of the daily oil production from the MPU.

Alaska's Average Daily Oil & NGL Production Rate



During 2004, BP continued to test the limits of viscous oil drilling and production technology at Milne Point. In 2003, BP obtained the first sustained production from the vast, viscous oil resources trapped within the Ugnu Formation, producing a total of 2,212 barrels of oil. In 2004, oil recovered from the Ugnu increased to 14,534 barrels.

UNDERGROUND INJECTION (UIC PROGRAM)

The UIC Program gives the Commission and EPA the opportunity to ensure fluids injected into the subsurface are consistent with mandates provided in the Federal government's Safe Drinking Water Act and State of Alaska Statutes. The Commission maintains primacy for Class II injection wells, while EPA oversees the Class I UIC program. At year-end, there were 1,155 Class II UIC wells in Alaska: 1,088 were involved with enhanced oil recovery, 56 were engaged in disposal operations, and four were gas storage wells in the Swanson River Unit on the Kenai Peninsula. In addition, there were seven Class I, non-hazardous disposal injection wells located on the Arctic Slope: three at PBU, two at Northstar, and one each at the Colville River and Badami Units.

ENHANCED RECOVERY INJECTION

EOR and reservoir pressure management through water and gas injection continues to be a main driver in Alaska's sustained hydrocarbon production. A total of 1,088 water and gas injection wells actively supported oil and gas recovery during 2004, a 4% increase from 2003. Water injection for enhanced recovery operations totaled over 1.11 billion barrels (approximately 3.04 million barrels a day), a 10% increase from 2003. Approximately 3.2 trillion cubic feet (87% of the produced volume) of gas were reinjected in EOR projects throughout the State. During 2004, the Commission issued new or revised Area Injection Orders ("AIO's") that affected EOR injection programs in the Orion, Aurora, and Alpine Oil Pools.

DISPOSAL INJECTION AND STORAGE INJECTION

Underground injection has become one of the most successful and widely used practices for waste management in Alaska hydrocarbon development. It is driven primarily by operational efficiency and efforts to minimize surface impacts. Favorable subsurface conditions have contributed to the successes achieved to date. Class II wastes are predominantly produced water, cuttings and spent drilling mud. During 2004, 65.1 million barrels of waste (94% of the waste stream) were injected into Class II disposal wells, an 8% decrease from 2003. In addition, 4.3 million barrels (6% of the waste stream) were injected into Class I disposal wells. Historically, just 1.2% of total disposal has occurred in Class I wells; however, some fluids eligible for Class II have now been diverted to Class I at Northstar Island, which placed a second, Class I well in operation during 2004 (Northstar #32). During 2004, the Commission issued two Disposal Injection Orders ("DIO's") affecting underground injection of Class II wastes in the Deep Creek Unit, and at Iliamna No. 1 (Tyonek Formation). The Commission also issued a correction to the DIO 25, which governs Class II injection within the Sterling Unit No. 43-9 Well of the Sterling Unit Gas Field.

Underground storage of gas was approved in three wells in the Swanson River Unit. From September through December of 2004, Unocal conducted storage injection operations in two of the three approved gas storage wells, Swanson River KGSF #1 and KGSF #3. A total of 753.2 million cubic feet of gas were injected into these wells over 189 operating days, and 448.3 million cubic feet of gas were produced over 86 operating days.

PERMITTING

The Commission approved 256 drilling permits during 2004, up 5% from 2003. Of these, 247 were new permits and 9 were revised permits. Exploratory and stratigraphic test wells accounted for 27 permits, while development and service wells totaled 229 permits. In addition, one permit was issued to re-enter and test an existing plugged and abandoned well.

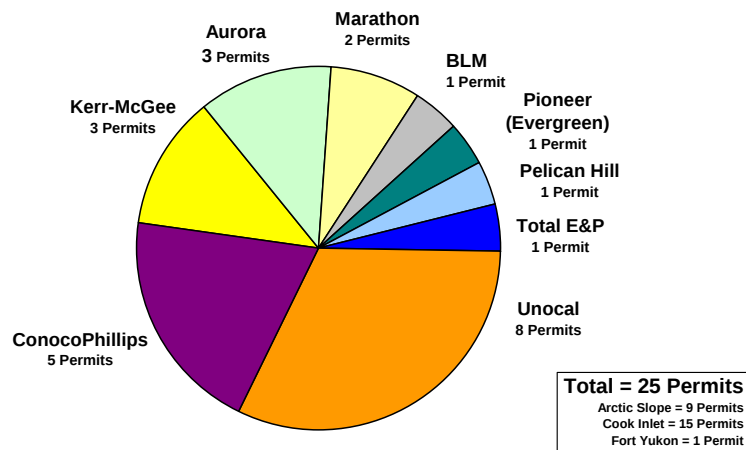
EXPLORATION AND STRATIGRAPHIC WELL PERMITS

During 2004, 27 permits for exploratory and stratigraphic test wells were approved. Of these, 20 were for new wells, four were revised permits, one was for a re-entry of an existing well, and two approved permits were superseded. The 25 new, revised, and re-entry permits represent a 19% increase from 2003.

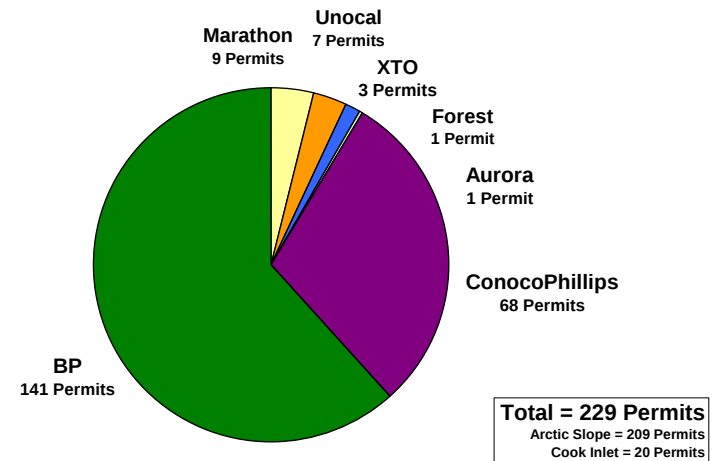
In the Cook Inlet Basin, 15 permits were approved. Of these, Unocal received eight (four wildcat wells and four delineation wells: according to Commission regulations, exploration wells include those drilled to discover or delineate a pool). Marathon and Aurora received two permits each, Pelican Hill Oil and Gas Inc. ("Pelican Hill") received one, and Evergreen (which merged with Pioneer in September) permitted one stratigraphic test. Aurora also received one permit for re-entry of a previously plugged and abandoned well to test and possibly develop bypassed reserves.

On the Arctic Slope, nine exploratory wells were permitted: ConocoPhillips permitted five, all of which were in the National Petroleum Reserve - Alaska ("NPR-A"); Total E&P USA, Inc. ("Total E&P") permitted one NPR-A exploratory well; and Kerr-McGee Corporation ("Kerr-McGee") permitted three wells in the state waters of the Beaufort Sea near Oliktok Point. In addition, the U.S. Bureau of Land Management ("BLM") received a permit to re-enter and deepen an existing well near Fort Yukon as a stratigraphic test. During 2004, the average approval time for a complete exploratory well permit application without special issues involving spacing, bonding, shallow drilling hazards, or shallow aquifers was seven and one-half working days.

Exploration and Stratigraphic Test Permits



Development, Service and Re-Entry Permits



DEVELOPMENT AND SERVICE WELL PERMITS

Development and service wells accounted for 229 drilling permits, a 4% increase over 2003. BP was the most active operator with 141 permits, followed by ConocoPhillips with 68, Marathon with nine, Unocal with seven, XTO with three, Aurora and Forest with one each. During 2004, the average approval time for a complete development and service well permit application was six working days.

The Commission authorizes work on existing wells with sundry approvals. In 2004, the Commission received 496 applications. Of these, 429 were approved, an increase of 14% from 2003. Sixty of the applications were denied, three were cancelled, two were withdrawn and two were not used. The average approval time for a complete sundry application was four working days.

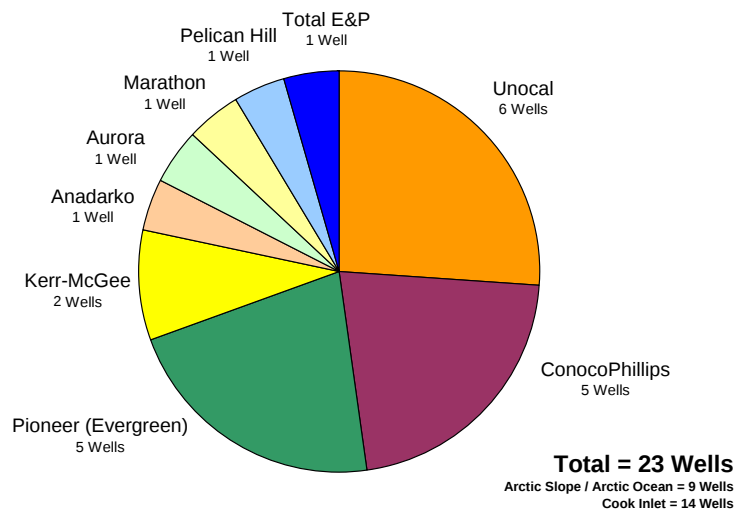
DRILLING

Statewide, 1,467,814 feet were drilled in 237 exploratory and development wells or well bore segments. This represents a 1% increase in drilled footage from the 1,453,377 feet drilled in 226 wells during 2003.

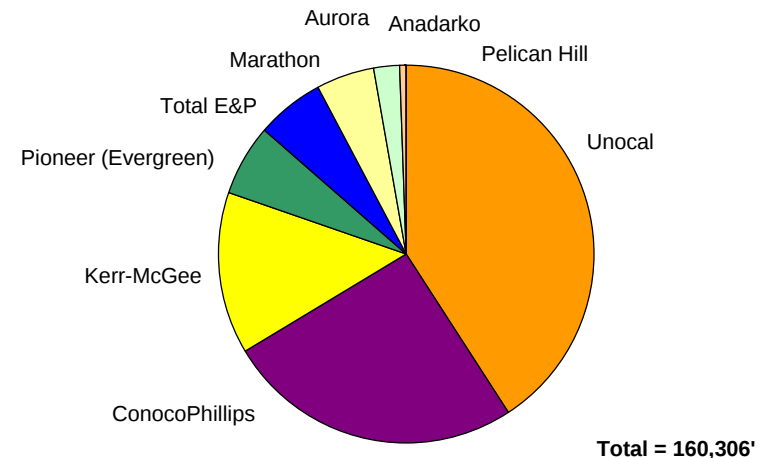
EXPLORATION WELLS

In 2004, drilling operations were conducted on 23 exploratory wells: 14 in the Cook Inlet Basin, seven on the Arctic Slope and two in the Beaufort Sea. This compares with 28 exploratory wells drilled during 2003 (17 in the Cook Inlet Basin and 11 on the Arctic Slope). Total exploratory footage drilled within the State increased 40% to 160,306 feet. Arctic Slope exploratory drilling totaled 73,436 feet in 2004, an increase of over 80% from 2003. Cook Inlet exploratory drilling increased 17% to 86,870 feet during 2004, up from the 74,214 feet drilled in 2003.

Exploration and Stratigraphic Wells Drilled



Exploration and Stratigraphic Footage Drilled



On the Arctic Slope, Kerr-McGee announced in March that it had tested 960 barrels per day of 38-degree API oil from the Sag River Formation in the Nikaitchuq #1 well drilled on Spy Island in the Beaufort Sea. The company also announced that a second well, Nikaitchuq #2 was a successful delineation test. In September, ConocoPhillips and Anadarko announced that the Carbon #1 well, drilled in the National Petroleum Reserve-Alaska ("NPR-A") flowed gas at a rate of 24 MMCFD and 1,250 barrels of 59-degree API condensate per day from an unstimulated Upper Jurassic

reservoir. They also announced that the Spark #4 well, drilled three miles northeast of Carbon #1, penetrated a similar hydrocarbon-bearing reservoir, but the well was not tested.

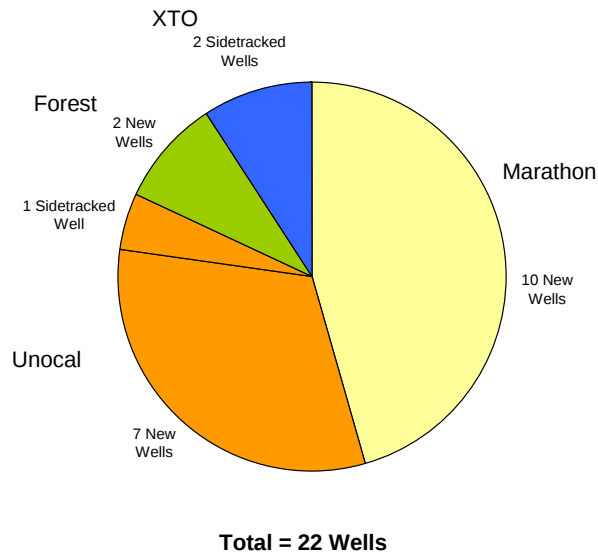
In the Cook Inlet Basin, Unocal continued delineation of the Happy Valley area on the southern Kenai Peninsula, drilling the Happy Valley #3, #4, and #6 wells. Approximately 8 miles to the southwest, Unocal also drilled the Star #1 exploratory well. In November, Unocal announced that this well had tested gas from the Tyonek Formation at a rate of 500,000 cubic feet per day. Eleven miles south of the Happy Valley drill site, Unocal also completed the Red #1 exploration well, but no test results have been announced. Also in November, Pelican Hill announced that Iliamna #1, located onshore near the Trading Bay Production Facility, was a dry hole, and that they would begin operations on N. Beluga #1 later that month.

From January through April, Evergreen drilled, then plugged and abandoned five stratigraphic test well bores in the Wasilla – Houston portion of the Matanuska-Susitna Valley.

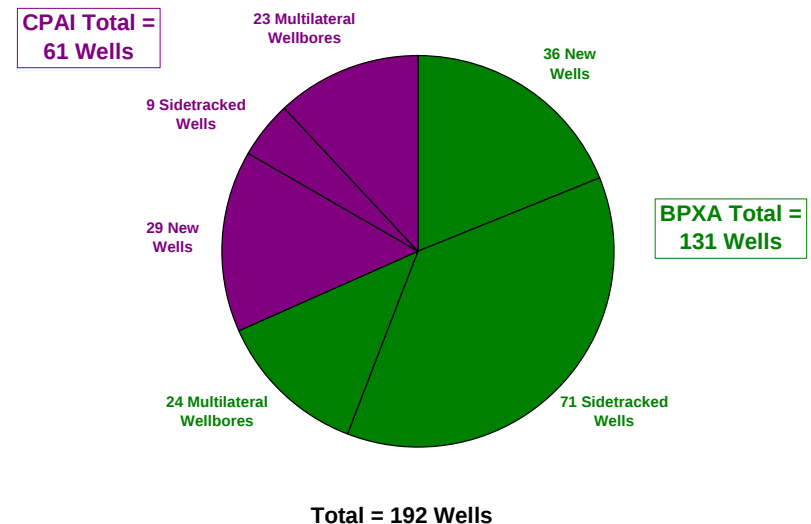
DEVELOPMENT AND SERVICE WELLS

During 2004, 1,311,343 feet were drilled in 214 development and service wells: 175,777 feet in 22 wells in the Cook Inlet Basin and 1,135,666 feet in 192 wells on the Arctic Slope. This represents a decrease of 2% in the total footage drilled compared with 2003.

**Cook Inlet Development and Service
Wells - Drilled**



**Arctic Slope Development and Service
Wells - Drilled**



In the Cook Inlet Basin, during 2004, development drilling was limited to a total of 19 new wells at West Foreland, Redoubt, Beaver Creek, Kenai Beluga, Cannery Loop, Happy Valley, and Swanson River. Two sidetracked wells were drilled at Middle Ground Shoal. Two service wells were drilled in the Cook Inlet Basin: one new well and one sidetrack well. Both will be used for gas storage within the Swanson River Unit.

On the Arctic Slope, BP and ConocoPhillips drilled 192 development and service wells: 65 new wells, 80 sidetracks and 47 multilateral well bore sections. BP was the most active operator, drilling 131 wells. Ninety-three development and service wells and well bores were drilled in the PBU. Of these, only 18 were new wells, with the remaining 75 consisting of 64 sidetracked wells and 11 multilateral well bores used to develop additional reserves from Alaska's maturing Arctic Slope fields. BP continued development at MPU with drilling operations in 32 wells and well bore segments: 15 new wells, 4 sidetracked wells and 13 multilateral well bores. Most of the drilling within the MPU was intended to develop Schrader Bluff reserves. BP drilled three new wells from Northstar Island in the Beaufort Sea: one development well and two service wells. BP also drilled four sidetracks at Duck Island (Endicott) and two sidetracks at Point McIntyre.

ConocoPhillips drilled 61 Arctic Slope development and service wells and well bores during 2004: 43 within the KRU (15 new wells, nine sidetracks and 19 multilaterals) and 18 within the CRU (14 new wells and four multilaterals). One-third of ConocoPhillips' 2004 drilling program (20 wells and well bores) tapped reserves in the West Sak sands, including five "tri-lateral" wells (one new well with two multilateral well bore segments) and two "dual-lateral" wells (one new well with one multilateral well bore segment) drilled from the 1E-Pad.

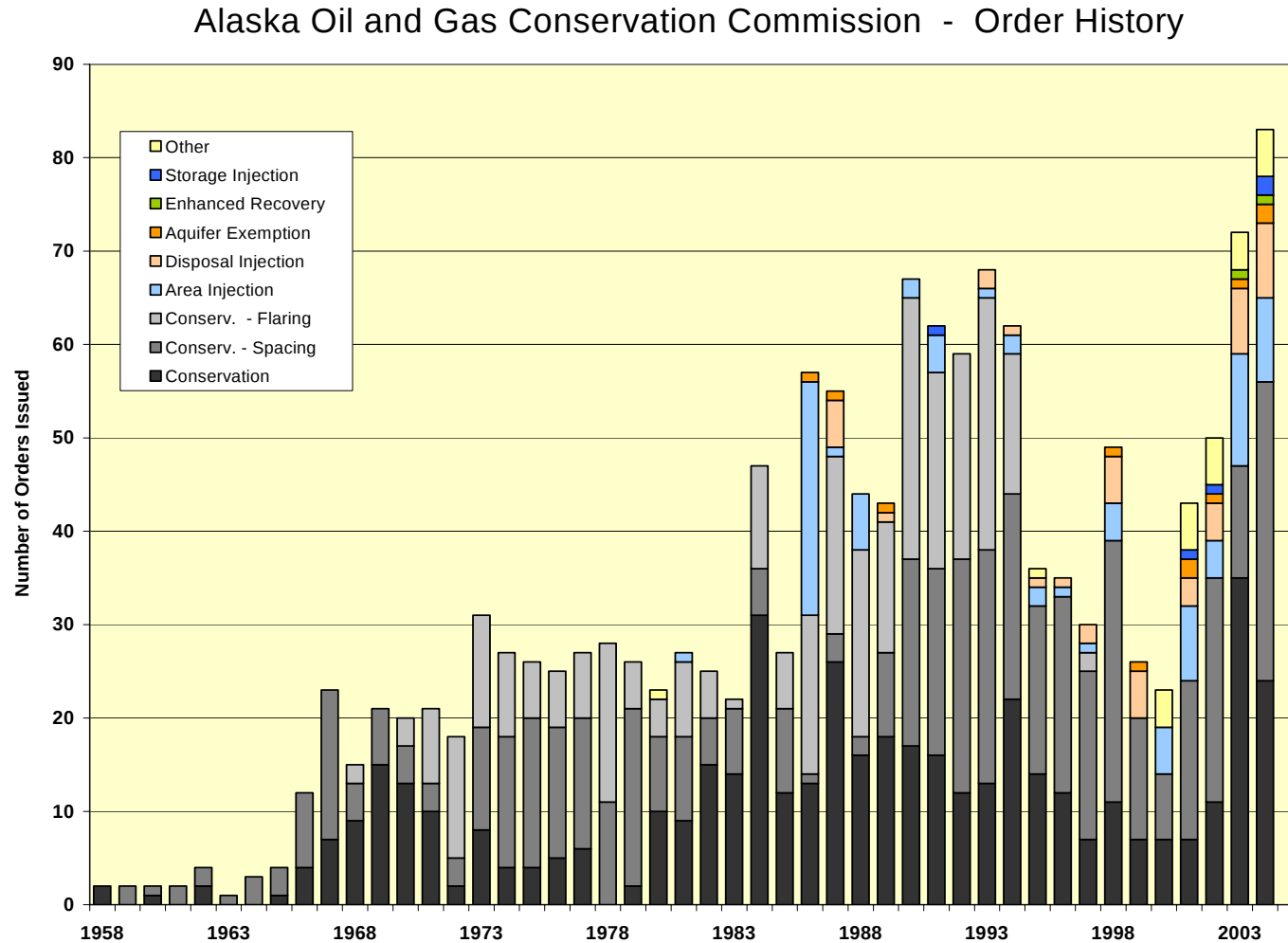
FIELD INSPECTIONS

During 2004, the Commission's Petroleum Inspectors witnessed 18 of 73 diverter tests (25%) and 119 of 569 blowout prevention equipment ("BOPE") tests (21%). Initial BOPE tests were witnessed on 4 of 7 remote exploratory wells (57%), and 15 of 17 (88%) initial BOPE tests were witnessed on rigs that started operations after extended shut down or long rig moves. Inspectors conducted 131 rig inspections and 2,090 wellhead and well house system inspections. Inspectors witnessed 2,131 of 5,093 safety valve system tests (42%) and 239 of 331 mechanical integrity tests (72%). Abandonment operations were witnessed by the Commission on 2 of 5 remote exploratory wells within the NPR-A, while BLM representatives witnessed critical plugs in the other three NPR-A wells. Plugging activities were also witnessed on 7 other wells within the State during 2004. Twenty location clearance inspections were conducted during 2004, including three abandoned exploratory well locations. Commission Inspectors witnessed 19 of 32 scheduled gas meter calibrations statewide. Commission Inspectors also witnessed 131 oil meter provings, 105 of which were on the Arctic Slope. Field inspection statistics are presented in Section 11 of this report (Field Inspection Program).

COMMISSION ACCOMPLISHMENTS

During 2004, the Commission processed 264 applications for permits to drill, 493 sundry approval applications, 645 sundry reports, and 425 well completion or re-completion reports. The Commission issued 79 new Orders, amended Orders, and Administrative Approvals that affect oil and gas production or development drilling. We also issued one Regulatory Cost-Charge order. The Commission issued three enforcement actions: one for the Prudhoe Bay Unit A-22 well incident (penalty \$717,112), one concerning the Prudhoe Bay Unit H-11 well (penalty \$102,500), and one for excessive flaring (penalty \$1,383.12). We also investigated the interruption of production during August and September at PBU Gathering Centers #1 and #2 by reviewing numerous sources of data, and performing field inspections, site visits and interviews. By year-end, the cumulative number of orders and administrative approvals issued by the Commission reached 1,475: 1,298 Conservation Orders ("CO's") and Administrative Approvals, 88 AIO's, 45 DIO's, 11 Aquifer Exemption Orders, 6 Storage Injection Orders, 2 Enhanced Recovery Injection Orders, and 25 miscellaneous ("Other") Orders. Of these, 819 orders and administrative approvals are active. The following chart displays the level of

Commission regulatory activities on an annual basis. Note that CO's concerning flaring abruptly ceased after 1994, due to a 1995 change in gas disposition regulation 20 AAC 25.235.



As part of the Commission's efforts to protect underground sources of fresh water and to eliminate orphaned wells, our Senior Staff arranged for the plugging and abandonment of five shallow, coal bed methane wells located in the Matanuska-Susitna Valley. The Commission requires all applicants for permits to drill oil and gas wells in Alaska to post a bond, which insures that all wells will be drilled, operated, maintained and abandoned in accordance with the requirements of the Alaska Administrative Code. Alaska has had a very low rate of failed oil and gas operators. However, in this case, the operator became insolvent, ceased operations, and the affected leases expired. The operator's bond was forfeited and

used for plugging, abandonment and location clearance costs for all five wells. The Alaska Department of Natural Resources (“DNR”) collected a similar bond from the operator to perform surface reclamation. The Commission and DNR coordinated closely with affected surface owners, including the Matanuska-Susitna Borough, to insure the wells were properly plugged and abandoned, and that the well sites were properly reclaimed.

One of the primary functions of the Commission is dissemination of non-confidential well and production information to the public. During 2004, 748 people visited the Commission, 271 visited the library or members of our staff to request information, and we responded to 567 additional requests for information. Our web site, available at <http://www.aogcc.alaska.gov>, has been newly upgraded and expanded. On October 1st, the Commission implemented two new web applications. The Well and Production Information application allows users to review and download public well and production data. Our WebLink® application allows immediate access to electronic images of each page of our 5,900 non-confidential well history files. Both applications are available at <http://www.aogcc.alaska.gov/publicdb.htm>. Instructional videos, frequently asked questions videos and supplemental lists are also included to facilitate self-training. From September through December of 2004, there were 12,755 new visitors to the Commission’ web site and 10,514 follow-up visits. In the last quarter of 2004, following the release of our web applications, visits to our web site increased 19%, requests for information decreased by 23%, and library visitors decreased by 28%.

Finally, to improve value of this report, it has been reformatted and expanded. Production, injection, disposal, and permitting data for several years have been included to reveal trends. Reserve values gleaned from non-confidential publications have been included to aid in assessment of Alaska’s remaining oil and gas resources. Hyperlinks have been provided to allow users to access location maps, unit maps, structure maps, selected type logs, and listings of orders and references. Additional hyperlinks are also provided so users can review production, injection and disposal data in report form, for easy reading and printing, or as a tab-delimited text file, for easy downloading. The use of this technology will allow the Commission to update and improve this report continuously, and make it a much more valuable information resource. Suggestions for additional features or improvements are always welcome.

FIELD AND POOL SUMMARY SHEETS

The summary sheets presented herein provide information about development wells and regular commercial production operations in Alaska’s known oil and gas fields. Each summary sheet offers a “snapshot” of development activities in a particular pool for the month of December 2004. Unless otherwise noted, the well and completion counts presented on these sheets include only development and service wells. Please review the “Data Origins and Limitations” statement provided at the beginning of the Field and Pool Summary Sheets section to avoid any potential misunderstanding of the different types of data presented. Additional limitations and comments are included on the individual sheets.

John K. Norman
Commission Chair

Daniel T. Seamount, Jr.
Commissioner

Cathy P. Foerster
Commissioner

ALASKA OIL AND GAS CONSERVATION COMMISSION

COMMISSIONERS - TERMS OF OFFICE

Engineer

Hoyle Hamilton

January 1, 1979 - December 31, 1981

C. V. Chatterton

January 18, 1982 - August 1, 1990

Russell A. Douglass

November 26, 1990 - November 17, 1995

J. David Norton, P.E.

November 20, 1995 - May 7, 1996

Robert N. Christenson P.E.

May 16, 1997- June 7, 2000

Julie M. Heusser

November 1, 2000 - March 15, 2002

Michael L. Bill

October 1, 2002 - February 18, 2003

Randy A. Ruedrich

February 19, 2003 - November 8, 2003

Cathy P. Foerster

March 31, 2005 - Present

Geologist

Harry W. Kugler

January 1, 1979 - May 15, 1986

William W. Barnwell

July 1, 1986 - August 11, 1988

David W. Johnston

January 19, 1989 - January 12, 2000

Daniel T. Seamount Jr.

January 13, 2000 - Present

Public Member

Lonnie C. Smith

January 1, 1979 - July 1, 1992

Leigh Griffin

September 9, 1992 - February 6, 1993

Tuckerman Babcock

June 1, 1993 - December 31, 1996

Mary C. Marshburn

January 1, 1997 - May 17, 1997

Cammy Oechsli Taylor

September 16, 1997 - February 18, 2003

Sarah Palin

February 19, 2003 - January 23, 2004

John K. Norman

January 26, 2004 - Present

STAFF

Thomas E. Maunder - Petroleum Engineer

Winton G. Aubert - Petroleum Engineer

Robert P. Crandall - Petroleum Geologist

Stephen F. Davies - Petroleum Geologist

John D. Hartz - Petroleum Reservoir Engineer

Jane M. Williamson - Petroleum Reservoir Engineer

James B. Regg - Petroleum Engineer

Howard D. Okland - Petroleum Geologist Assistant

John H. Crisp - Petroleum Inspector

Louis R. Grimaldi - Petroleum Inspector

Jeffery B. Jones - Petroleum Inspector

Chuck M. Scheve - Petroleum Inspector

John H. Spaulding - Petroleum Inspector

Elaine M. Johnson - Analyst Programmer

C. Bren McIver - Analyst Programmer

Robert J. Fleckenstein - Statistical Technician

Stephen E. McMains - Statistical Technician

Linda S. Berg - Administrative Manager

Jody J. Colombie - Special Staff Assistant

Linda K. Laasch - Accounting Clerk

Helen J. Warman - Administrative Clerk

ALASKA OIL AND GAS CONSERVATION COMMISSION
333 WEST 7th AVENUE, SUITE 100
ANCHORAGE, ALASKA 99501
PHONE (907) 279-1433 FAX (907) 276-7542 www.aogcc.alaska.gov

INFORMATION AND MATERIALS AVAILABLE

ORDERS AND ADMINISTRATIVE APPROVALS

Copies of orders and approvals issued by the Commission are available to the public through our library. Regular library hours are 8:00 AM to 3:30 PM, Monday through Friday, with other times only by appointment. A current index is maintained for review in the Commission's Public Library. Many of the orders are also published on our web site.

DRILLING AND PRODUCTION DATA

Drilling data are tabulations of monthly drilling figures for exploratory, development, and service wells. Production data are tabulations of the monthly, yearly, and cumulative production or injection volumes for each well in the State's producing fields. Recent production and well drilling statistics are on our web site. Public requests for data can include all non-confidential information, and can generally be produced in whatever tabulation format is desired to accommodate your particular needs.

WELL INFORMATION AND RECORDS

Copies of the following material on released wells can be obtained from the AOGCC in accordance with 6AAC 95.010 through 900.

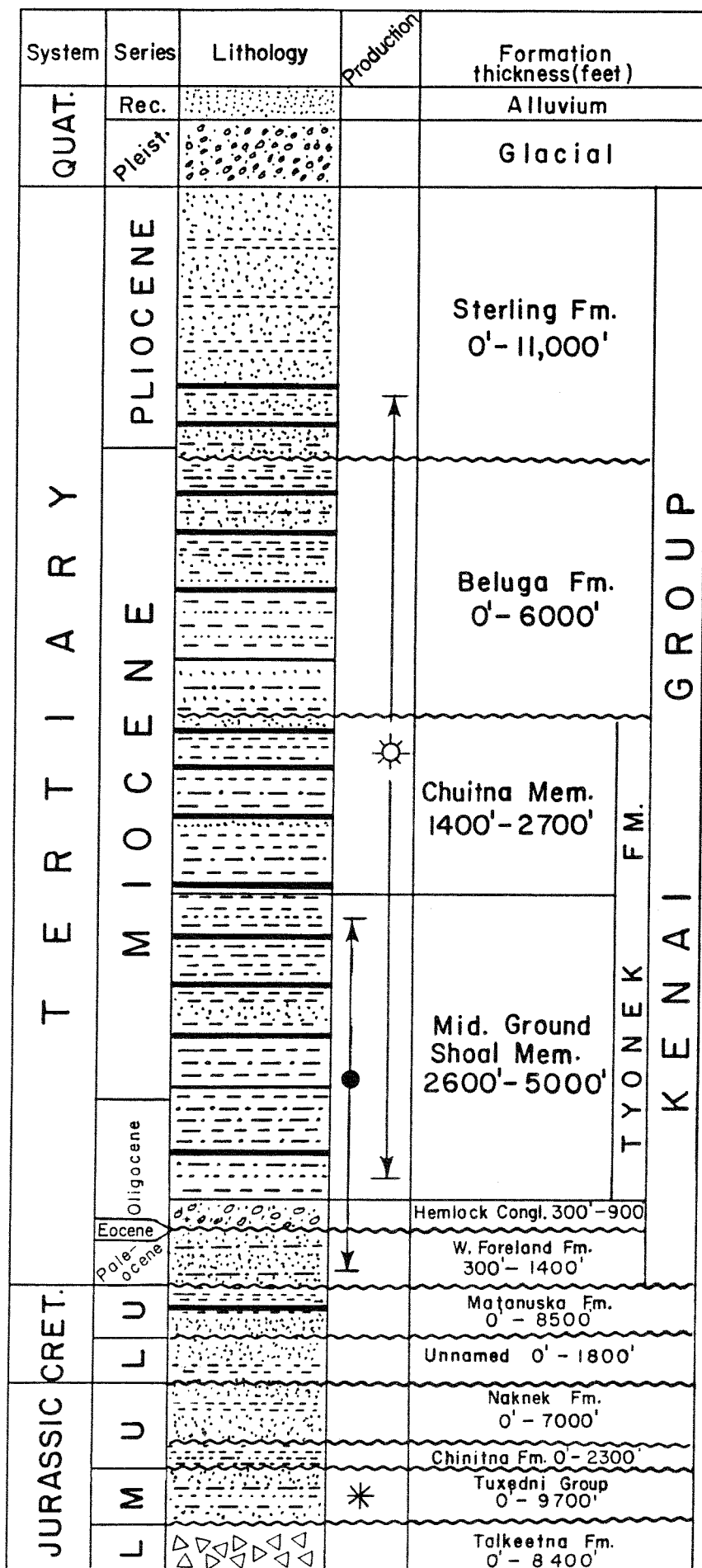
- | | | | |
|-----------------------|----------------------|---------------------------------|--------------------------------|
| - Directional Surveys | - Completion Reports | - Core Descriptions | - Drill Stem Test Reports |
| - Drilling Histories | - Production History | - Digital Data Of Electric Logs | - Bottom-Hole Pressure Surveys |

REGULAR REPORTS

- A. Annual Report - Issued periodically, this report reflects drilling, production, and reservoir statistics. Information is presented both in summary form and on a field-by-field basis. Tabulations of significant data are included for the productive fields in the State. The current edition of this report is available on CD in PDF format from the Commission and on our web site.
- B. Drilling Statistics – This weekly listing presents approved drilling permits and releasable information on recently completed wells. Reports are available on our web site every Tuesday morning for the preceding week.

WELL SAMPLES, CORES AND CUTTINGS

For information concerning well samples, core library, geologic slide inventory, or reports based on analyses made of ditch cuttings and/or core chips from State Well Sample Library, please contact **John Reeder, Alaska Geologic Materials Center, Division of Geological & Geophysical Surveys, P O Box 772805, Eagle River, AK 99577; telephone (907) 696-0079; facsimile 696-0078; email: john_reeder@dnr.state.ak.us.**



LEGEND



Conglomerate



Sandstone



Siltstone



Mudstone/Shale



Coal



Volcanics



Oil production interval



Gas production interval



Surface oil seeps

REFERENCES

Alaska Geological Society, 1970, oil and gas fields in the Cook Inlet Basin, Alaska.

Calderwood, K.W. and Fackler, W.C., 1972, Proposed stratigraphic nomenclature for Kenai Group, Cook Inlet Basin, Alaska. Am. Assoc. Petroleum Geologists Bull., v. 56 no. 4, p. 739-754

Magoon, L.B. and Claypool, G.E., 1979, Petroleum Geology of Cook Inlet Basin, Alaska -- an exploration model: U.S.G.S. open file report no. 79-548.

Detterman, R.L., and Reed, B.L., 1980, Stratigraphy, Structure, and Economic Geology of the Iliamna Quadrangle, Alaska: U.S.G.S. Bull. 1368-B.

Fisher, M.A., and Magoon, L.B., 1978, Geologic Framework of Lower Cook Inlet, Alaska, A.A.P.G. Bull., Vol. 62 No. 3, p. 373-402.

ALASKA OIL AND GAS CONSERVATION COMMISSION GENERALIZED STRATIGRAPHIC COLUMN

Cook Inlet Basin, Alaska

April, 1981

ERA	SYSTEM	LITHOLOGY	PROD.	FORMATION and THICKNESS	GROUP	ALASKA OIL AND GAS CONSERVATION COMMISSION	
CENOZOIC	QUATERNARY			SURFICIAL DEPOSITS and GUBIC FORMATION 0' - 500'		GENERALIZED STRATIGRAPHIC COLUMN KUPARUK FIELD AND PRUDHOE BAY FIELD AREA NORTH SLOPE, ALASKA	
	TERTIARY		☼	SAGAVANIRKTOK FORMATION 2000' - 7000'			
MESOZOIC	CRETACEOUS		●	PRINCE CREEK FM. and SCHRADER BLUFF FM. UNDIFFERENTIATED 900' - 2000'	COLVILLE GROUP	LEGEND MUDSTONE OR SHALE LIMESTONE SILTSTONE DOLOMITE SANDSTONE OR SAND COAL CONGLOMERATE OR GRAVEL ARGILLITE & METASEDIMENTS ● OIL PRODUCTION OR TEST INTERVAL ☼ GAS PRODUCTION OR TEST INTERVAL	
				SEABEE FORMATION 1300' - 3000'			
				"HRZ UNIT" 0' - 250'			
				KALUBIK FORMATION 0' - 300'			
			● ☼	KUPARUK FM. 0' - 500'	UGNURAVIK GROUP		
	JURASSIC			MILUVEACH FORMATION 0' - 700'		REMARKS 1) Geologic interpretation of subsurface stratigraphic relationships changes as new data are developed. To the extent possible, the interpretation shown is consistent with the references cited. 2) No vertical scale in either time or thickness is intended. 3) The Prince Creek Fm. & Schrader Bluff Fm. Undifferentiated contain the "Ugnu sands" and the "West Sak sands" that have produced oil on well tests. 4) The Put River Sandstone in the eastern part of Prudhoe Bay Field is correlative with the Kuparuk Fm. (Carman & Hardwick, p. 1022). 5) In the western area the Itkilyariak Fm. and the Kekiktuk Fm. are not differentiated (see Bird & Jordan, p. 1498). 6) To the southeast the Kayak Fm. interfingers with and is correlative with parts of the Itkilyariak Fm. and the Kekiktuk Fm. (see Bird & Jordan, p. 1500).	
				KINGAK FORMATION 0' - 1800'			
			● ☼	SAG RIVER SANDSTONE 0' - 70'			
	TRIASSIC		● ☼	SHUBLIK FORMATION 0' - 200'			
			● ☼	IVISHAK FORMATION 0' - 650'			
			● ☼	KAVIK FORMATION 0' - 200'	SADLERCHIT GROUP		
PALEOZOIC	PERMIAN			ECHOOKA FORMATION 0' - 150'		REFERENCES 1) Carman, G. J., & P. Hardwick, 1983, Geology & Regional Setting of Kuparuk Oil Field, Alaska, A.A.P.G. Bulletin, v. 67, n. 6, pp. 1014-1031. 2) Bird, K. J., 1982, Rock-unit Reports of 228 Wells Drilled on the North Slope, Alaska, U.S.G.S. Open File Report 82-278, 106 p. 3) Alaska Geological Society, 1981, West to East Stratigraphic Correlation Section, N.P.R.A.--Prudhoe Bay, Arctic Slope Alaska. 4) Jamison, H. C., L. D. Brockett, & R. A. McIntosh, 1980, Prudhoe Bay--A 10 Year Perspective, A.A.P.G. Memoir 30, pp 289-314. 5) Reiser, H. N., D. K. Norris, J. T. Dutro, Jr., & W. P. Brosages, 1978, Restriction and Renaming of the Neruokpuk Formation, Northeastern Alaska, U.S.G.S. Bulletin 1457-A, pp. A106-A107. 6) Bird, K. J., & C. F. Jordan, 1977, Lisburne Group (Mississippian and Pennsylvanian), Potential Major Hydrocarbon Objective of Arctic North Slope, Alaska, A.A.P.G. Bulletin., v. 61, n. 9, pp. 1493-1515.	
	PENNSYLVANIAN		● ☼	WAHOO LIMESTONE and ALAPAH LIMESTONE UNDIFFERENTIATED 350' - 2600'	LISBURN GROUP		
	MISSISSIPPIAN			ITKILYARIAK FORMATION 200' - 850'			
			● ☼	KEKIKTUK FORMATION 200' - 750'	ENDICOTT GROUP		
	PRE-MISSISSIPPIAN			ARGILLITE and METASEDIMENTS			
PRE-CAMBRIAN							

Summary for All Years: Production

YEAR	OIL (BBL)		CASING (MCF)		WATER (BBL)		NAT GAS LIQ (BBL)		DRY GAS (MCF)	
	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM
1919	59,000	59,000								
1920	11,000	70,000								
1921	10,000	80,000								
1922	10,000	90,000								
1923	10,000	100,000								
1924	7,000	107,000								
1925	8,000	115,000								
1926	7,000	122,000								
1927	6,000	128,000								
1928	5,000	133,000								
1929	4,000	137,000								
1930	5,000	142,000								
1931	4,000	146,000								
1932	4,000	150,000								
1933	4,000	154,000								
1949		154,000							32,833	32,833
1950		154,000							90,790	123,623
1951		154,000							135,350	258,973
1952		154,000							136,545	395,518
1953		154,000							74,669	470,187
1954		154,000							27,129	497,316
1955		154,000							114,950	612,266
1956		154,000							103,462	715,728
1957		154,000							114,104	829,832
1958	35,754	189,754	5,643	5,643	283	283			118,555	948,387
1959	186,590	376,344	27,296	32,939	33,422	33,705			131,624	1,080,011
1960	557,999	934,343	99,176	132,115	11,508	45,213			210,165	1,290,176
1961	6,326,501	7,260,844	1,293,259	1,425,374	158,415	203,628			387,155	1,677,331
1962	10,259,110	17,519,954	1,914,055	3,339,429	294,133	497,761			1,839,229	3,516,560
1963	10,739,964	28,259,918	2,808,007	6,147,436	458,781	956,542			8,213,054	11,729,614
1964	11,053,872	39,313,790	3,233,232	9,380,668	1,253,159	2,209,701			8,880,522	20,610,136

Summary for All Years: Production

YEAR	OIL (BBL)		CASING (MCF)		WATER (BBL)		NAT GAS LIQ (BBL)		DRY GAS (MCF)	
	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM
1965	11,131,271	50,445,061	3,842,367	13,223,035	1,683,426	3,893,127			8,701,078	29,311,214
1966	14,364,432	64,809,493	6,822,597	20,045,632	2,114,821	6,007,948			34,833,667	64,144,881
1967	28,913,488	93,722,981	22,587,317	42,632,949	2,467,556	8,475,504			40,481,191	104,626,072
1968	66,145,673	159,868,654	51,210,051	93,843,000	3,246,604	11,722,108	4,345	4,345	49,145,358	153,771,430
1969	74,317,715	234,186,369	71,732,019	165,575,019	4,099,582	15,821,690	70,398	74,743	76,635,731	230,407,161
1970	83,616,318	317,802,687	88,928,012	254,503,031	6,372,591	22,194,281	527,828	602,571	131,092,730	361,499,891
1971	78,785,984	396,588,671	105,187,203	359,690,234	9,341,969	31,536,250	708,463	1,311,034	125,893,982	487,393,873
1972	73,563,632	470,152,303	99,092,912	458,783,146	11,251,900	42,788,150	606,564	1,917,598	126,886,909	614,280,782
1973	73,140,451	543,292,754	101,980,254	560,763,400	14,931,951	57,720,101	810,718	2,728,316	124,661,418	738,942,200
1974	72,244,196	615,536,950	106,597,131	667,360,531	17,068,538	74,788,639	792,318	3,520,634	126,007,165	864,949,365
1975	71,981,044	687,517,994	117,490,887	784,851,418	19,213,561	94,002,200	764,080	4,284,714	138,907,917	1,003,857,282
1976	67,009,336	754,527,330	128,824,724	913,676,142	20,985,559	114,987,759	769,765	5,054,479	143,735,062	1,147,592,344
1977	171,353,457	925,880,787	224,538,933	1,138,215,075	24,517,025	139,504,784	862,548	5,917,027	151,229,764	1,298,822,108
1978	447,810,796	1,373,691,583	435,490,987	1,573,706,062	26,734,389	166,239,173	813,962	6,730,989	167,167,975	1,465,990,083
1979	511,457,726	1,885,149,309	565,229,490	2,138,935,552	36,343,812	202,582,985	634,580	7,365,569	173,221,465	1,639,211,548
1980	591,640,700	2,476,790,009	731,377,844	2,870,313,396	46,399,203	248,982,188	735,123	8,100,692	166,726,214	1,805,937,762
1981	587,339,259	3,064,129,268	766,950,988	3,637,264,384	45,562,658	294,544,846	987,860	9,088,552	181,517,726	1,987,455,488
1982	618,913,766	3,683,043,034	899,781,430	4,537,045,814	45,234,022	339,778,868	998,867	10,087,419	190,835,485	2,178,290,973
1983	625,568,644	4,308,611,678	973,382,488	5,510,428,302	68,314,433	408,093,301	692,188	10,779,607	197,443,315	2,375,734,288
1984	630,437,350	4,939,049,028	1,012,615,592	6,523,043,894	89,712,099	497,805,400	677,723	11,457,330	198,633,464	2,574,367,752
1985	666,556,932	5,605,605,960	1,144,842,140	7,667,886,034	113,661,226	611,466,626	1,040,356	12,497,686	205,567,768	2,779,935,520
1986	681,632,030	6,287,237,990	1,199,969,879	8,867,855,913	173,962,436	785,429,062	1,586,070	14,083,756	181,885,330	2,961,820,850
1987	715,717,986	7,002,955,976	1,518,421,574	10,386,277,487	275,709,396	1,061,138,458	16,554,667	30,638,423	185,874,375	3,147,695,225
1988	738,555,472	7,741,511,448	1,765,108,828	12,151,386,315	344,292,917	1,405,431,375	21,224,309	51,862,732	186,814,826	3,334,510,051
1989	684,624,534	8,426,135,982	1,779,608,120	13,930,994,435	396,005,301	1,801,436,676	18,888,342	70,751,074	195,322,531	3,529,832,582
1990	647,513,924	9,073,649,906	1,859,788,889	15,790,783,324	449,331,473	2,250,768,149	18,190,587	88,941,661	205,207,402	3,735,039,984
1991	656,388,109	9,730,038,015	2,193,400,455	17,984,183,779	539,380,544	2,790,148,693	23,883,790	112,825,451	198,580,558	3,933,620,542
1992	627,341,337	10,357,379,352	2,439,963,297	20,424,147,076	625,516,238	3,415,664,931	26,864,398	139,689,849	200,118,078	4,133,738,620
1993	577,946,277	10,935,325,629	2,603,169,408	23,027,316,484	669,013,585	4,084,678,516	26,847,508	166,537,357	191,177,383	4,324,916,003
1994	568,964,817	11,504,290,446	2,921,149,067	25,948,465,551	663,581,873	4,748,260,389	25,890,334	192,427,691	181,628,795	4,506,544,798
1995	541,653,478	12,045,943,924	3,207,886,835	29,156,352,386	698,326,933	5,446,587,322	29,649,194	222,076,885	180,450,280	4,686,995,078

Summary for All Years: Production

YEAR	OIL (BBL)		CASING (MCF)		WATER (BBL)		NAT GAS LIQ (BBL)		DRY GAS (MCF)	
	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM
1996	510,766,826	12,556,710,750	3,207,315,405	32,363,667,791	740,948,099	6,187,535,421	33,216,210	255,293,095	184,716,922	4,871,712,000
1997	472,957,230	13,029,667,980	3,217,714,932	35,581,382,723	789,169,522	6,976,704,943	34,764,552	290,057,647	180,514,198	5,052,226,198
1998	429,232,454	13,458,900,434	3,213,507,267	38,794,889,990	791,391,512	7,768,096,455	33,731,716	323,789,363	183,992,326	5,236,218,524
1999	383,198,870	13,842,099,304	3,201,730,251	41,996,620,241	807,923,413	8,576,019,868	32,151,708	355,941,071	178,682,297	5,414,900,821
2000	355,148,940	14,197,248,244	3,370,854,303	45,367,474,544	844,108,239	9,420,128,107	33,013,137	388,954,208	182,603,202	5,597,504,023
2001	351,466,248	14,548,714,492	3,250,912,060	48,618,386,604	819,820,135	10,239,948,242	30,195,265	419,149,473	195,759,255	5,793,263,278
2002	359,381,666	14,908,096,158	3,301,171,672	51,919,558,276	813,366,607	11,053,314,849	28,853,758	448,003,231	195,257,458	5,988,520,736
2003	355,598,616	15,263,694,774	3,399,990,594	55,319,548,870	801,155,818	11,854,470,667	27,199,674	475,202,905	197,445,317	6,185,966,053
2004	332,437,481	15,596,132,255	3,459,992,197	58,779,541,067	848,266,295	12,702,736,962	27,762,031	502,964,936	203,991,573	6,389,957,626

Summary for All Years: Injection Storage

YEAR	OIL (BBL)		GAS (MCF)	
	ANNUAL	CUM	ANNUAL	CUM
1969	216,906	216,906	0	0
1970	879,222	1,096,128	0	0
1971	833,343	1,929,471	0	0
1972	792,433	2,721,904	0	0
1973	817,055	3,538,959	0	0
1974	1,640,419	5,179,378	0	0
1975	2,147,164	7,326,542	0	0
1976	3,611,042	10,937,584	0	0
1977	2,075,291	13,012,875	0	0
1986	6,767	13,019,642	0	0
1987	14,269	13,033,911	0	0
1988	0	13,033,911	0	0
1989	0	13,033,911	0	0
1990	0	13,033,911	0	0
1991	0	13,033,911	0	0
1992	0	13,033,911	0	0
1993	0	13,033,911	0	0
1994	0	13,033,911	0	0
2001	0	13,033,911	896,748	896,748
2002	0	13,033,911	950,814	1,847,562
2003	0	13,033,911	1,074,538	2,922,100
2004	0	13,033,911	753,198	3,675,298

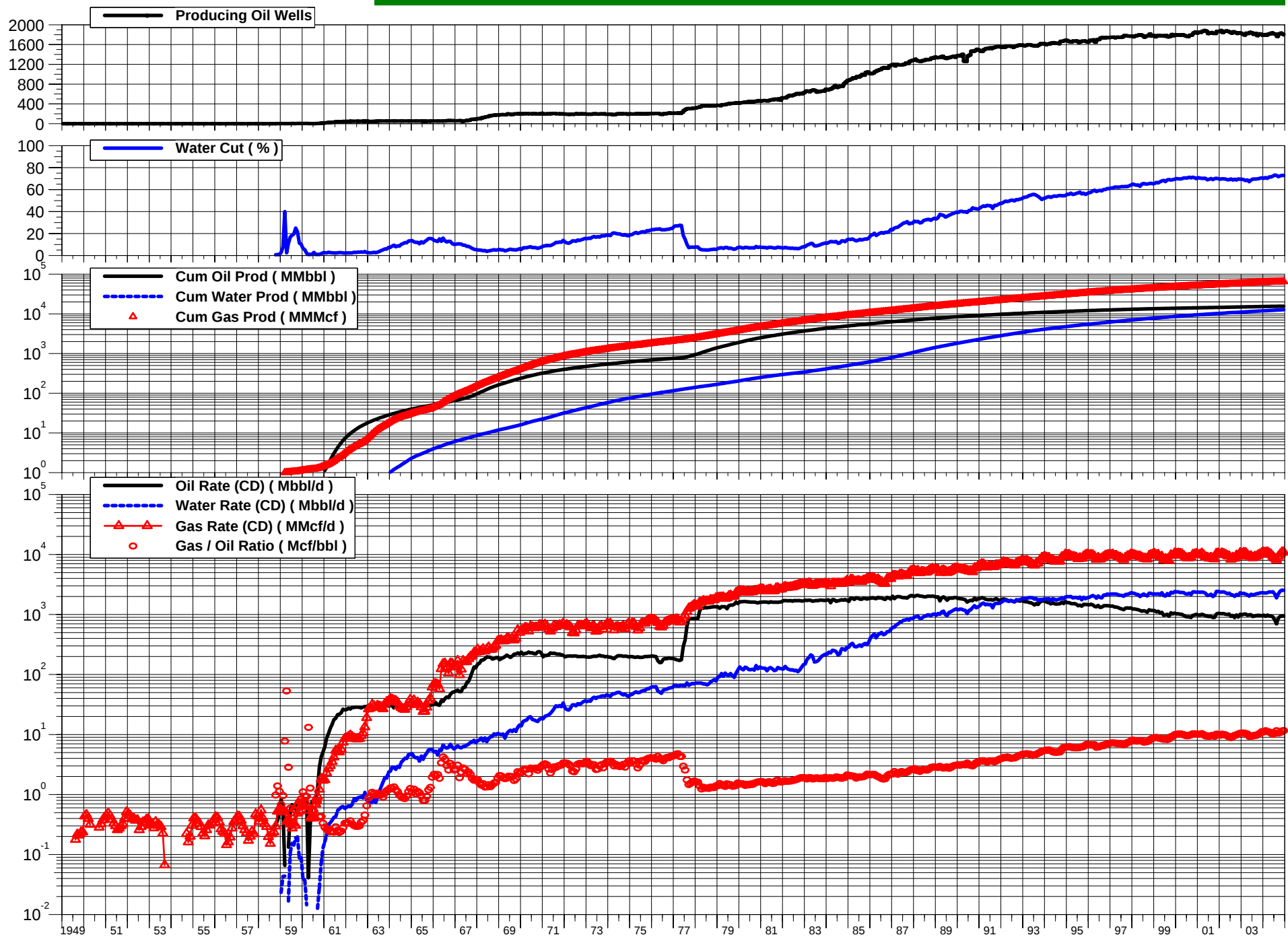
Summary for All Years: Enhanced Recovery and Disposal Injection

YEAR	Enhanced Recovery LIQUID (BBL)		Disposal LIQUID (BBL)		Enhanced Recovery GAS (MMCF)	
	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM
1960	37,078	37,078	0	0	46,482	46,482
1962	0	37,078	0	0	259	46,741
1963	0	37,078	0	0	6,478	53,219
1964	0	37,078	0	0	5,620	58,839
1965	0	37,078	0	0	4,843	63,682
1966	0	37,078	0	0	28,770	92,452
1967	1,701	38,779	0	0	37,944	130,396
1968	1,491,394	1,530,173	0	0	58,316	188,712
1969	18,698,646	20,228,819	0	0	67,215	255,927
1970	62,778,756	83,007,575	0	0	73,139	329,066
1971	83,454,123	166,461,698	118,730	118,730	73,892	402,958
1972	99,564,107	266,025,805	31,660	150,390	76,133	479,091
1973	100,600,647	366,626,452	0	150,390	87,482	566,573
1974	93,407,362	460,033,814	0	150,390	86,812	653,385
1975	100,875,351	560,909,165	0	150,390	97,976	751,360
1976	96,822,425	657,731,590	0	150,390	113,370	864,730
1977	98,766,926	756,498,516	36,761	187,151	186,460	1,051,190
1978	92,285,764	848,784,280	1,453,181	1,640,332	386,556	1,437,746
1979	83,395,433	932,179,713	6,967,910	8,608,242	510,482	1,948,228
1980	79,708,170	1,011,887,883	10,487,247	19,095,489	667,175	2,615,403
1981	78,325,027	1,090,212,910	12,301,375	31,396,864	701,263	3,316,665
1982	75,102,559	1,165,315,469	11,608,453	43,005,317	828,695	4,145,360
1983	101,109,094	1,266,424,563	8,143,632	51,148,949	887,705	5,033,065
1984	209,823,626	1,476,248,189	11,412,413	62,561,362	910,516	5,943,581
1985	498,162,870	1,974,411,059	23,258,452	85,819,814	1,021,720	6,965,301
1986	609,089,737	2,583,500,796	19,844,453	105,664,267	1,067,130	8,032,431
1987	706,093,637	3,289,594,433	25,452,525	131,116,792	1,343,583	9,376,014
1988	707,713,314	3,997,307,747	62,930,726	194,047,518	1,551,571	10,927,585
1989	733,772,736	4,731,080,483	119,724,554	313,772,072	1,571,010	12,498,596
1990	761,821,841	5,492,902,324	133,342,108	447,114,180	1,652,875	14,151,471
1991	830,190,733	6,323,093,057	125,690,006	572,804,186	1,949,908	16,101,379
1992	950,404,931	7,273,497,988	98,385,636	671,189,822	2,191,059	18,292,438
1993	998,399,885	8,271,897,873	96,644,096	767,833,918	2,338,511	20,630,949
1994	991,117,298	9,263,015,171	76,326,667	844,160,585	2,633,719	23,264,667
1995	983,394,849	10,246,410,020	85,247,218	929,407,803	2,898,302	26,162,969
1996	961,984,032	11,208,394,052	101,546,447	1,030,954,250	2,901,444	29,064,413
1997	972,549,328	12,180,943,380	116,387,436	1,147,341,686	2,916,360	31,980,773
1998	930,849,206	13,111,792,586	131,299,066	1,278,640,752	2,919,887	34,900,659
1999	941,326,185	14,053,118,771	129,520,052	1,408,160,804	2,907,801	37,808,460

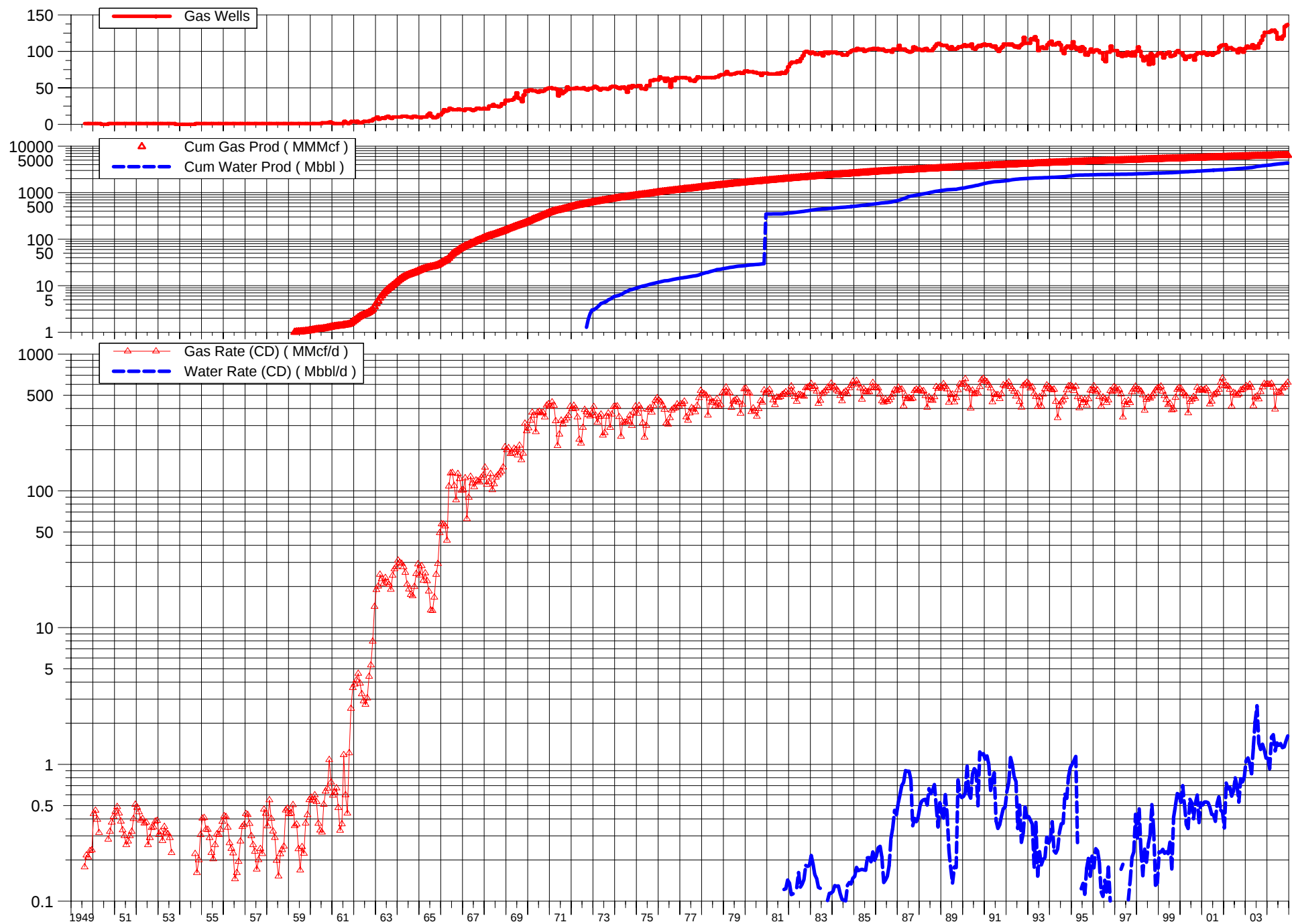
Summary for All Years: Enhanced Recovery and Disposal Injection

YEAR	Enhanced Recovery LIQUID (BBL)		Disposal LIQUID (BBL)		Enhanced Recovery GAS (MMCF)	
	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM
2000	949,216,613	15,002,335,384	129,744,508	1,537,905,312	3,079,578	40,888,039
2001	929,476,032	15,931,811,416	101,803,101	1,639,708,413	2,963,775	43,851,814
2002	921,924,672	16,853,736,088	98,119,210	1,737,827,623	3,022,293	46,874,107
2003	1,007,296,420	17,861,032,508	73,452,644	1,811,280,267	3,122,906	49,997,013
2004	1,111,439,663	18,972,472,171	65,156,563	1,876,436,830	3,183,387	53,180,400

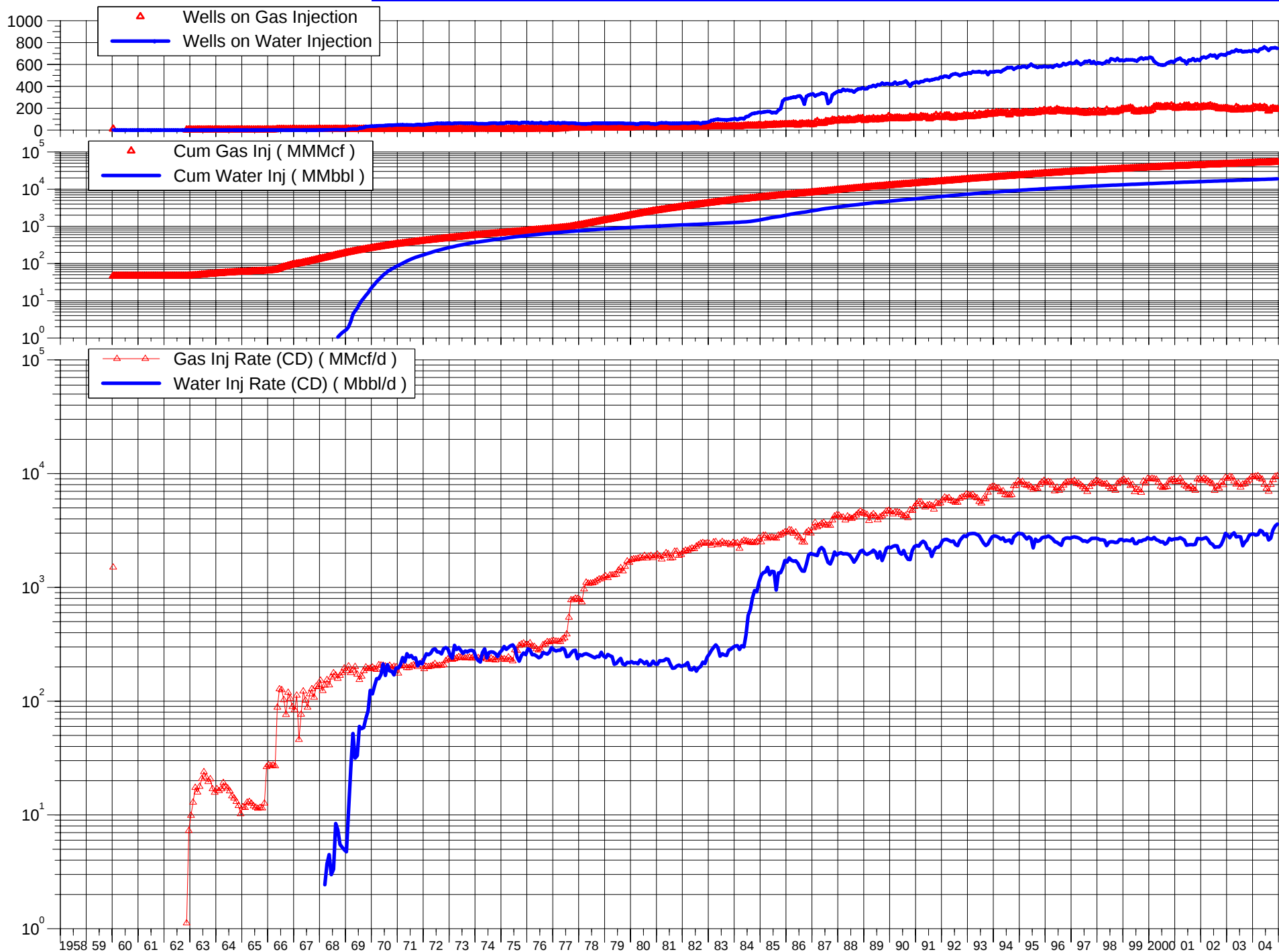
STATE OF ALASKA OIL & ASSOCIATED GAS PRODUCTION



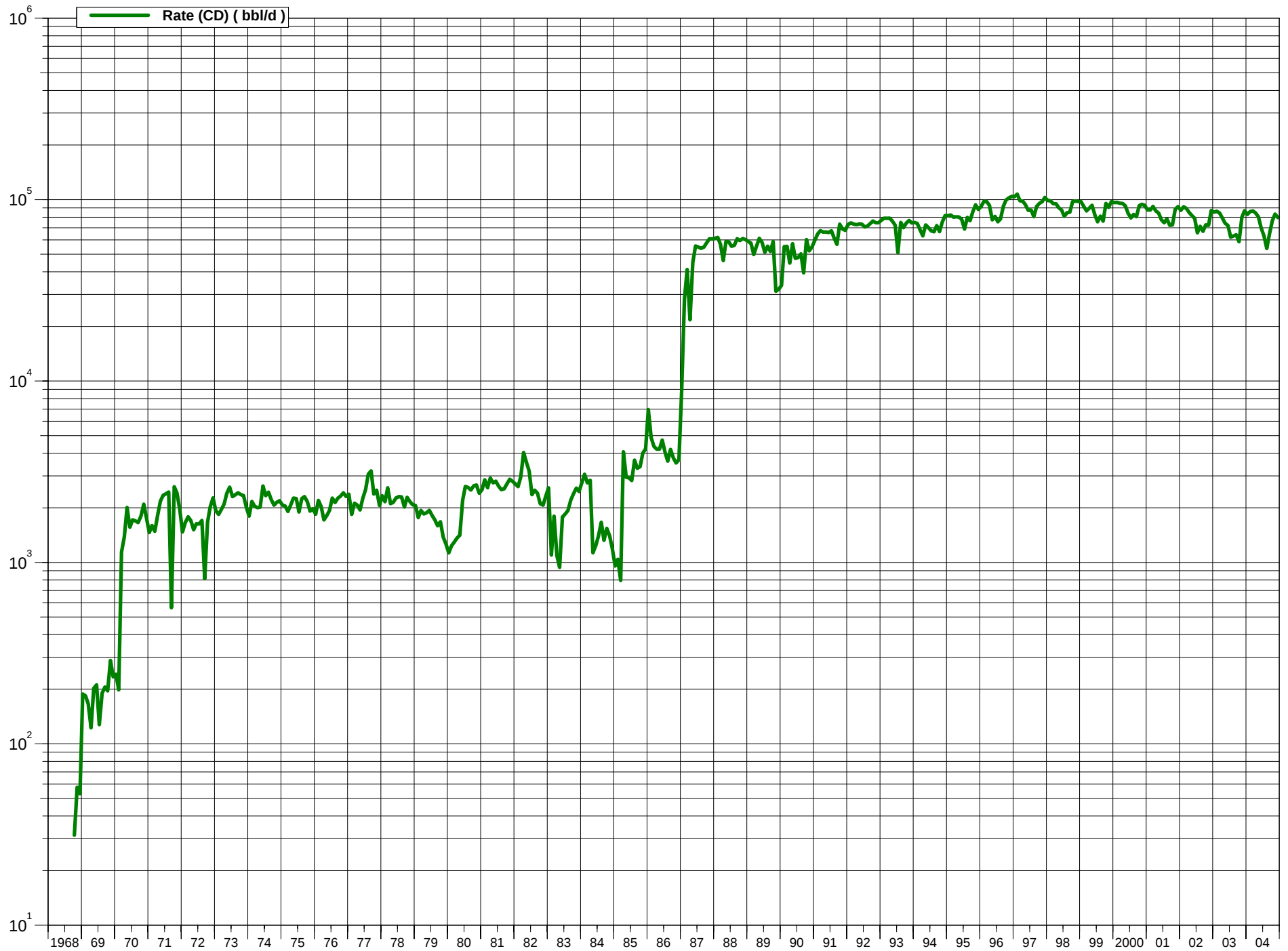
STATE OF ALASKA - NON-ASSOCIATED (DRY) GAS PRODUCTION



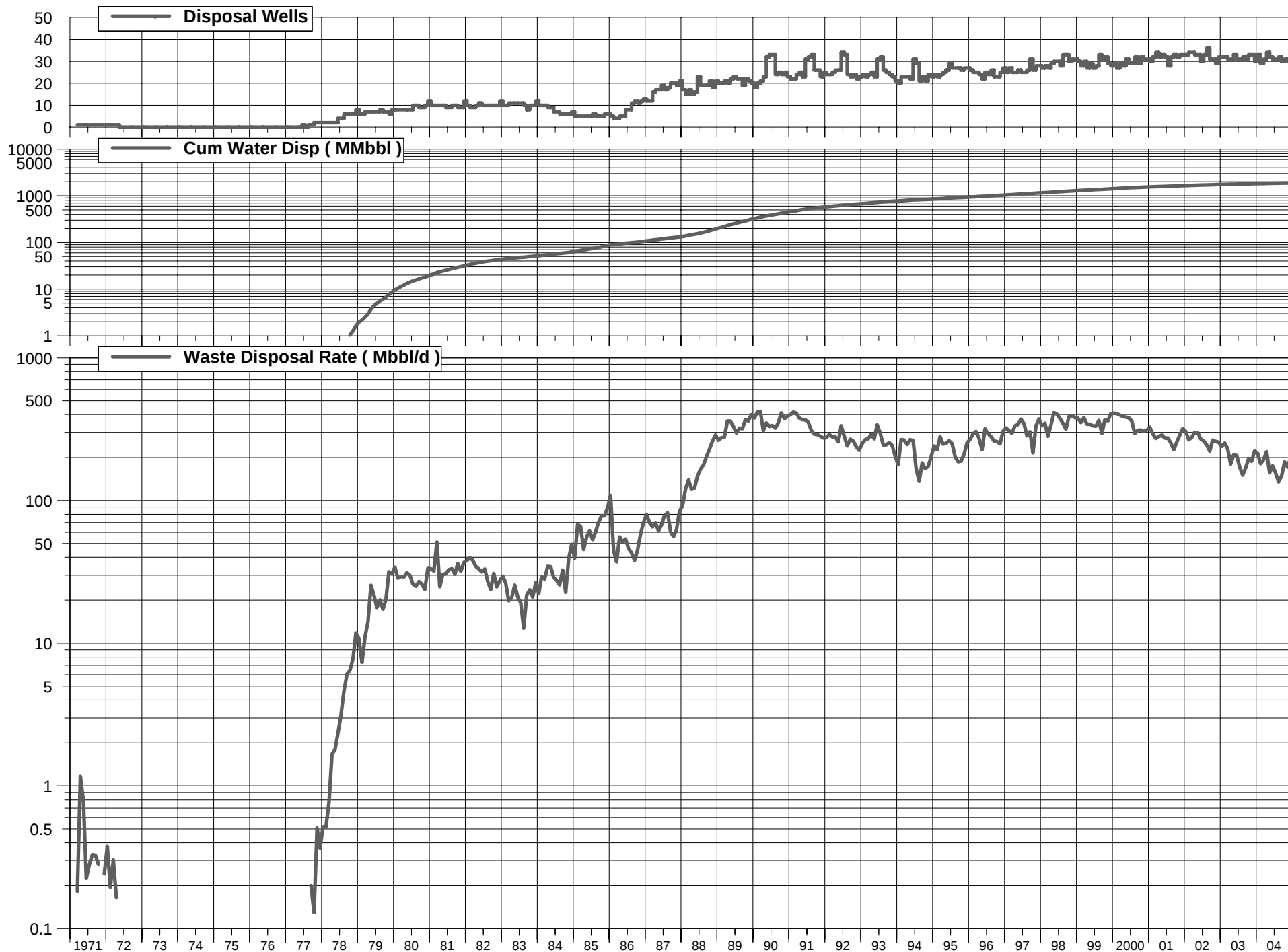
STATE OF ALASKA - ENHANCED OIL RECOVERY INJECTION



STATE OF ALASKA - NATURAL GAS LIQUIDS (NGL) PRODUCTION



STATE OF ALASKA - WASTE DISPOSAL RATES AND VOLUMES



Summary by Year: Production by Field/Pool 2004

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Summary by Year: Production by Field/Pool 2004

FIELD AND POOL NAME	OIL (BBL)		CASING (MCF)		WATER (BBL)		NAT GAS LIQ (BBL)		DRY GAS (MCF)	
	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM
Field Totals	1,429,223	141,744,826	1,287,118	126,386,473	234,241	16,783,956			44,387	844,378
IVAN RIVER, UNDEFINED GAS					158	12,485			1,669,764	75,718,829
Field Totals					158	12,485			1,669,764	75,718,829
KATALLA, KATALLA OIL		154,000								
Field Totals		154,000								
KENAI, BELUGA UNDEFINED GAS										120
KENAI, STERLING 3 GAS					722	134,850			925,983	330,224,352
KENAI, STERLING 4 GAS					4,571	150,413			3,750,494	447,083,173
KENAI, STERLING 5.1 GAS					37	154,689			43,164	484,679,341
KENAI, STERLING 5.2 GAS						12,700				44,031,635
KENAI, STERLING 6 GAS					6,887	107,872			4,962,579	517,638,198
KENAI, TYONEK GAS		8,994			2,985	72,487			1,029,042	184,554,952
KENAI, UPPER TYONEK BELUGA GAS		2,879			110,453	447,976			13,506,059	261,525,860
Field Totals		11,873			125,655	1,080,987			24,217,321	2,269,737,631
KENAI C.L.U., BELUGA GAS		104			107,129	303,055			6,135,029	44,162,598
KENAI C.L.U., STERLING UND GAS					406	562			3,467,990	12,854,536
KENAI C.L.U., TYONEK D GAS						9,410				1,399,385
KENAI C.L.U., UPPER TYONEK GAS		394			4,821	42,811			4,036,821	65,993,500
Field Totals		498			112,356	355,838			13,639,840	124,410,019
KUPARUK RIVER, CRETACEO U WDSP						56,455,530				
KUPARUK RIVER, KUPARUK RV OIL	53,215,046	1,971,201,878	101,523,406	2,385,909,982	188,586,542	2,468,869,352		3,345,638		
KUPARUK RIVER, MELTWATER OIL	2,477,630	7,654,729	7,322,154	17,144,176	133,469	250,201				
KUPARUK RIVER, TABASCO OIL	1,470,728	9,733,879	182,638	1,329,159	5,745,390	26,185,268				
KUPARUK RIVER, TARN OIL	10,337,267	64,595,052	14,283,700	91,411,714	3,394,981	7,427,491				
KUPARUK RIVER, WEST SAK OIL	4,280,641	15,625,750	2,069,357	5,257,960	1,034,800	5,181,635				
Field Totals	71,781,312	2,068,811,288	125,381,255	2,501,052,991	198,895,182	2,564,369,477		3,345,638		
LEWIS RIVER, UNDEFINED GAS					61	1,895			369,191	11,251,629
Field Totals					61	1,895			369,191	11,251,629
LONE CREEK, UNDEFINED GAS					22	22			1,783,141	2,794,973

Summary by Year: Production by Field/Pool 2004

FIELD AND POOL NAME	OIL (BBL)		CASING (MCF)		WATER (BBL)		NAT GAS LIQ (BBL)		DRY GAS (MCF)	
	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM
Field Totals					22	22			1,783,141	2,794,973
MCARTHUR RIVER, HEMLOCK OIL	2,208,269	533,147,662	1,096,272	213,190,273	30,965,941	794,694,204	7,981,409			
MCARTHUR RIVER, MIDKENAI G OIL	1,082,729	61,567,870	509,629	33,756,878	6,166,512	64,060,096	784,489			
MCARTHUR RIVER, MIDKENAI GAS					12,371	362,990			32,773,113	999,297,501
MCARTHUR RIVER, UNDEFINED OIL		332,951		175,472		188,772				
MCARTHUR RIVER, W FORELAND OIL	82,118	24,271,271	28,706	8,429,499	1,045,188	26,089,859	212,981			
Field Totals	3,373,116	619,319,754	1,634,607	255,552,122	38,190,012	885,395,921	8,978,879		32,773,113	999,297,501
MIDDLE GROUND SHOAL, A OIL		2,838,227		5,322,225		3,146,841				
MIDDLE GROUND SHOAL, B,C,D OIL	1,590	12,010,325	943	8,797,239	1,357	5,509,414				
MIDDLE GROUND SHOAL, E,F,G OIL	1,320,948	176,897,292	413,969	77,987,560	668,064	99,265,041				
MIDDLE GROUND SHOAL, UNDEF GAS						131				16,383,183
Field Totals	1,322,538	191,745,844	414,912	92,107,024	669,421	107,921,427				16,383,183
MILNE POINT, KUPARUK RIVER OIL	10,996,052	180,286,397	6,553,785	91,491,969	17,745,366	137,291,909				
MILNE POINT, SAG RIVER OIL	47,771	1,589,010	27,750	1,595,848	1,568	1,414,091				
MILNE POINT, SCHRADER BLFF OIL	7,692,957	38,126,257	5,107,503	23,914,295	3,635,914	14,897,547				
MILNE POINT, TERTI UNDEF WTRSP					13,690,207	185,867,591				
MILNE POINT, UGNU UNDEF WTRSP					1,875,530	11,610,762				
MILNE POINT, UGNU UNDEFINE OIL	14,534	16,746	1,128	3,370						
Field Totals	18,751,314	220,018,410	11,690,166	117,005,482	36,948,585	351,081,900				
MOQUAWKIE, UNDEFINED GAS					347	347			764,752	1,752,501
Field Totals					347	347			764,752	1,752,501
NICOLAI CREEK, NORTH UND GAS					82	32,201			982,752	3,189,351
Field Totals					82	32,201			982,752	3,189,351
NINILCHIK, FC TYONEK UNDEF GAS					6,072	6,875			4,871,487	5,979,065
NINILCHIK, GO TYONEK UNDEF GAS					1,449	2,081			3,701,766	5,462,004
NINILCHIK, SD TYONEK UNDEF GAS					12,106	12,121			3,793,836	3,988,469
Field Totals					19,627	21,077			12,367,089	15,429,538
NORTH COOK INLET, TERTIARY GAS					78,437	592,246			41,012,343	1,662,365,485

Summary by Year: Production by Field/Pool 2004

FIELD AND POOL NAME	OIL (BBL)		CASING (MCF)		WATER (BBL)		NAT GAS LIQ (BBL)		DRY GAS (MCF)		
	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	
Field Totals					78,437	592,246			41,012,343	1,662,365,485	
NORTH FORK, UNDEFINED GAS											104,595
Field Totals											104,595
OOOGURUK, UNDEFINED OIL		3,828									
Field Totals		3,828									
PRETTY CREEK, UNDEFINED GAS					560	8,556			658,034	8,930,952	
Field Totals					560	8,556			658,034	8,930,952	
NORTHSTAR, NORTHSTAR OIL	25,078,477	67,214,704	104,382,882	225,546,155	2,817,059	3,870,835					
Field Totals		25,078,477	67,214,704	104,382,882	225,546,155	2,817,059	3,870,835				
PIONEER, TYONEK UNDEFINED GAS					32,990	95,331			796	2,952	
Field Totals					32,990	95,331			796	2,952	
PRUDHOE BAY, AURORA OIL	3,219,105	11,397,395	9,868,761	47,582,920	2,869,485	5,151,440					
PRUDHOE BAY, BOREALIS OIL	9,273,797	30,848,760	6,997,393	27,079,864	6,643,456	10,143,174					
PRUDHOE BAY, LISBURNE OIL	3,299,878	139,711,098	56,339,950	1,445,184,498	1,233,867	36,914,060	372,793	13,910,063			
PRUDHOE BAY, MIDNIGHT SUN OIL	1,641,441	11,342,234	6,191,077	40,092,659	300,216	1,630,107					
PRUDHOE BAY, N PRUDHOE BAY OIL		1,984,791		6,616,438		2,989,263		84,599			
PRUDHOE BAY, NIAK IV-SR UN OIL		65,388		504,427		85,330					
PRUDHOE BAY, NIAKUK OIL	3,803,343	80,267,630	3,021,718	67,440,715	12,258,973	57,219,279	44,486	955,457			
PRUDHOE BAY, ORION SCHR BL OIL	1,844,471	2,309,634	1,623,892	1,993,760	33,962	81,712					
PRUDHOE BAY, PM UNDEFINED OIL		33,480		30,008		13,127		600			
PRUDHOE BAY, POLARIS OIL	994,514	3,538,567	993,484	4,086,751	122,772	527,701					
PRUDHOE BAY, PRUD UNDEFIN WDSP						1,112,346					
PRUDHOE BAY, PRUDHOE OIL	127,610,356	10,698,518,931	2,885,902,348	48,187,299,880	410,712,635	7,314,493,713	25,628,910	445,193,478			
PRUDHOE BAY, PT MCINTYRE OIL	13,321,984	376,071,984	64,807,760	638,764,638	54,117,725	334,176,621	744,105	8,031,145			
PRUDHOE BAY, UG NU UNDEF WTRSP					1,046,846	1,046,846					
PRUDHOE BAY, W BCH TR UN WTRSP						5,432,157					
PRUDHOE BAY, W BEACH OIL	4,653	3,360,694	58,898	20,011,808	14,487	137,174	327	220,057			
Field Totals		165,013,542	11,359,450,586	3,035,805,281	50,486,688,366	489,354,424	7,771,154,050	26,790,621	468,395,399		
REDOUBT SHOAL, UNDEF G-O GAS									1,152	451,933	

Summary by Year: Production by Field/Pool 2004

FIELD AND POOL NAME	OIL (BBL)		CASING (MCF)		WATER (BBL)		NAT GAS LIQ (BBL)		DRY GAS (MCF)	
	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM
REDOUBT SHOAL, UNDEFINED OIL	559,443	1,519,282	137,063	371,988	604,649	1,399,244				
Field Totals	559,443	1,519,282	137,063	371,988	604,649	1,399,244			1,152	451,933
STERLING, BELUGA UNDEFINED GAS					597	5,366			103,062	486,257
STERLING, STERLING UNDEF GAS					13,596	39,139			172,933	3,699,850
STERLING, TYONEK UNDEFINED GAS					1,758	2,758			23,747	171,623
Field Totals					15,951	47,263			299,742	4,357,730
STUMP LAKE, UNDEFINED GAS						493				5,643,301
Field Totals						493				5,643,301
SWANSON RIVER, BELUGA UNDF GAS									194,502	310,656
SWANSON RIVER, GAS STORAGE									448,336	2,228,606
SWANSON RIVER, HEMLOCK OIL	320,241	228,619,957	2,518,612	2,858,564,409	2,226,403	117,559,418		1,398,720		
SWANSON RIVER, STERLING UND GS					1,265	322,098			1,973,017	27,211,254
SWANSON RIVER, TYONEK UNDF GAS					1,266	413,687			1,579,957	16,542,931
SWANSON RIVER, UNDEFINED OIL		51,239		323,888		4,170				
Field Totals	320,241	228,671,196	2,518,612	2,858,888,297	2,228,934	118,299,373		1,398,720	4,195,812	46,293,447
TRADING BAY, G-NE/HEMLK-NE OIL		23,630,100		6,484,662		30,468,431				
TRADING BAY, HEMLOCK OIL	114,546	14,101,098	98,852	14,614,719	475,786	8,784,272		51,753		
TRADING BAY, M.KENAI UNALLOCAT				1,193,899				307,851		
TRADING BAY, MID KENAI B OIL	67,554	4,002,899	16,711	3,383,702	28,395	818,258				
TRADING BAY, MID KENAI C OIL	69,680	20,653,845	33,844	14,353,546	500,636	29,918,045				
TRADING BAY, MID KENAI D OIL	137,288	29,257,860	35,927	24,017,256	595,621	24,202,258				
TRADING BAY, MID KENAI E OIL	58,570	8,279,149	14,382	6,704,721	59,170	3,894,058				
TRADING BAY, UNDEFINED GAS					9,800	120,872			27,431	5,292,169
TRADING BAY, UNDEFINED OIL	14,036	1,389,708	5,081	648,268	30,508	930,238				
TRADING BAY, W FORELAND OIL		61,120		28,517		9,611				
Field Totals	461,674	101,375,779	204,797	71,429,290	1,699,916	99,146,043		359,604	27,431	5,292,169
WALAKPA, WALAKPA GAS						14			1,245,473	13,912,605
Field Totals						14			1,245,473	13,912,605
W FORELAND, TYONEK UND 4.0 GAS									973,706	2,070,600

Summary by Year: Production by Field/Pool 2004

FIELD AND POOL NAME	OIL (BBL)		CASING (MCF)		WATER (BBL)		NAT GAS LIQ (BBL)		DRY GAS (MCF)	
	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM	ANNUAL	CUM
W FORELAND, TYONEK UND 4.2 GAS									50,884	50,884
Field Totals									1,024,590	2,121,484
W FORK, STERLING A GAS						12,431				1,230,786
W FORK, STERLING B GAS						49,119				1,439,560
W FORK, UNDEFINED GAS										1,541,595
Field Totals						61,550				4,211,941
W MCARTH RIV, W MCARTH RIV OIL	669,220	10,487,723	157,591	2,488,417	1,022,667	10,693,733				
Field Totals	669,220	10,487,723	157,591	2,488,417	1,022,667	10,693,733				
WOLF LAKE, BEL-TYON UNDEF GAS					2,329	6,798			73,383	727,600
Field Totals					2,329	6,798			73,383	727,600
State Totals	332,437,481		3,459,992,197		848,266,295		27,762,031		203,991,573	
		15,596,132,255		58,779,541,067		12,702,736,962		502,964,936		6,389,957,626

Summary by Year: Enhanced Recovery and Disposal 2004

Field and Pool Name	Oil (BBL)		Water (BBL)		Gas (MCF)		Disposal Projects-Fluid	
	Annual	Cum.	Annual	Cum.	Annual	Cum.	Annual	Cum.
BADAMI, BADAMI OIL						20,510,696		
BADAMI, UNDEFINED WDSP							26,987	770,701
Field Totals						20,510,696	26,987	770,701
BEAVER CREEK, UNDEFINED WDSP							78,818	529,366
BEAVER CREEK, BELUGA GAS						551,056		
Field Totals						551,056	78,818	529,366
BELUGA RIVER, UNDEFINED WDSP							15,673	225,252
Field Totals							15,673	225,252
COLVILLE RIVER, UNDEFINED WDSP							384,326	2,131,379
COLVILLE RIVER, ALPINE OIL			37,248,356	130,087,523	39,468,610	136,699,834		
Field Totals			37,248,356	130,087,523	39,468,610	136,699,834	384,326	2,131,379
DEEP CK, UNDEFINED WDSP							3,804	3,804
Field Totals							3,804	3,804
ENDICOTT, ENDICOTT OIL			77,054,504	1,112,937,606	117,796,597	1,631,153,756		
ENDICOTT, EIDER OIL			495,335	4,332,064				
ENDICOTT, IVISHAK OIL			3,211,661	40,853,972				
ENDICOTT, UNDEFINED WDSP							2,427	5,876,300
Field Totals			80,761,500	1,158,123,642	117,796,597	1,631,153,756	2,427	5,876,300
GRANITE PT, UNDEFINED WDSP G&I							39,859	733,505
GRANITE PT, MIDDLE KENAI OIL			655,533	155,940,428				
Field Totals			655,533	155,940,428			39,859	733,505
ILIAMNA, UNDEFINED WDSP							5,671	5,671
Field Totals							5,671	5,671
IVAN RIVER, UNDEFINED WDSP								39,662
Field Totals								39,662
KENAI, STERLING 4 GAS								829,025
KENAI, UNDEFINED WDSP G&I							336,088	1,784,189
KENAI, UNDEFINED WDSP							144,329	1,217,839
Field Totals							480,417	3,831,053
KUPARUK RIVER, TARN OIL			13,250,085	67,067,985	17,356,907	101,830,355		
KUPARUK RIVER, CRETACEO U WDSP							684,182	20,085,168
KUPARUK RIVER, KUPARUK RV OIL			232,963,295	4,590,315,780	78,363,400	1,903,525,506		
KUPARUK RIVER, MELTWATER OIL			3,627,030	5,364,490	11,596,143	23,502,556		
KUPARUK RIVER, WEST SAK OIL			7,201,485	27,325,443	121,143	291,982		
KUPARUK RIVER, TABASCO OIL			5,975,291	30,420,436				
Field Totals			263,017,186	4,720,494,134	107,437,593	2,029,150,399	684,182	20,085,168
KUSTATAN, UNDEFINED WDSP							63,920	475,689
Field Totals							63,920	475,689
LEWIS RIVER, UNDEFINED WDSP							1,672	42,503
Field Totals							1,672	42,503

Summary by Year: Enhanced Recovery and Disposal 2004

Field and Pool Name	Oil (BBL)		Water (BBL)		Gas (MCF)		Disposal Projects-Fluid	
	Annual	Cum.	Annual	Cum.	Annual	Cum.	Annual	Cum.
Field Totals							12,391	12,391
SWANSON RIVER, HEMLOCK OIL				8,385,967		2,898,806,819		
SWANSON RIVER, UNDEFINED WDSP							2,244,061	53,323,450
Field Totals				8,385,967		2,898,806,819	2,244,061	53,323,450
TRADING BAY, HEMLOCK OIL			840,221	11,286,016				
TRADING BAY, MID KENAI C OIL			511,267	40,346,761				
TRADING BAY, G-NE/HEMLK-NE OIL				33,548,653				
TRADING BAY, MID KENAI D OIL			511,254	73,853,319				
TRADING BAY, UNDEFINED WDSP							9,800	121,557
Field Totals			1,862,742	159,034,749			9,800	121,557
W MCARTH RIV, UNDEFINED WDSP							1,043,348	11,030,194
Field Totals							1,043,348	11,030,194
State Totals			1,111,439,663	18,972,472,171	3,183,387,409	53,180,400,145	65,156,563	1,876,436,830

COMMISSION ORDERS ISSUED IN 2004

Order			Operator	Issue Date	Description
ERI	2	0	FOREST OIL CORP	8/26/2004	Authorizes a pilot waterflood project designed to test the potential for enhanced oil recovery in the Hemlock Formation, Redoubt Unit, Cook Inlet.
CONSERVATION ORDERS					
CO	505	0	BP EXPLORATION (ALASKA) INC	1/5/2004	Orion Pool Rules.
CO	506	0	CONOCOPHILLIPS ALASKA INC	1/8/2004	Rules regulating sustained annulus pressures in the Beluga River.
CO	507	0	CONOCOPHILLIPS ALASKA INC	1/8/2004	Rules regulating sustained annulus pressures in North Slope Inlet Field development wells.
CO	511	0	MARATHON OIL CO	2/4/2004	Spacing Exception Falls Creek 4.
CO	510	0	MARATHON OIL CO	2/11/2004	Commingling of production from the Kenai Sterling Gas Pool 4 and the Kenai Sterling Gas Pool 5.1 in well KU 33-32 is GRANTED.
CO	508	0	UNION OIL CO OF CALIFORNIA	2/17/2004	Spacing Exception Happy Valley #2.
CO	509	0	UNION OIL CO OF CALIFORNIA	2/17/2004	Spacing Exception Happy Valley #4.
CO	512	0	MARATHON OIL CO	2/19/2004	Spacing Exception Happy Valley #5.
CO	513	0	FOREST OIL CORP	3/5/2004	Spacing exception to allow drilling and operation of Redoubt 7.
CO	514	0	CONOCOPHILLIPS ALASKA INC	3/5/2004	Spacing Exception to allow drilling and operations of the KRU 3F-19A well.
CO	516	0	BP EXPLORATION (ALASKA) INC	4/7/2004	Rules establishing a blow out prevention equipment pressure test interval of fourteen days applicable to drilling and completion operations within the Prudhoe Bay oil pool.
CO	517	0	BP EXPLORATION (ALASKA) INC	4/7/2004	Rules establishing a blow out prevention equipment pressure test interval of fourteen days applicable to drilling and completion operations within the Lisburne oil pool.
CO	526	0	UNION OIL CO OF CALIFORNIA	6/2/2004	Spacing Exception SRU 231-16. Withdrawn by operator 6/2/04.
CO	519	0	UNION OIL CO OF CALIFORNIA	6/8/2004	Spacing Exception Happy Valley #6.
CO	457 B	0	BP EXPLORATION (ALASKA) INC	6/25/2004	Order expanding the affected area of the Aurora Oil Pool, Prudhoe Bay.
CO	520	0	UNION OIL CO OF CALIFORNIA	7/20/2004	Spacing Exception Swanson River Unit KGSF No. 7.

Order			Operator	Issue Date	Description
CO	521	0	MARATHON OIL CO	7/20/2004	Spacing Exception Beaver Creek Unit #14.
CO	522	0	UNION OIL CO OF CALIFORNIA	7/20/2004	Spacing Exception Swanson River Unit 241-16
CO	523	0		7/20/2004	Order adopting rules regulating sustained annulus pressures.
CO	524	0		7/20/2004	Order adopting rules regulating sustained annulus pressures.
CO	525	0		7/20/2004	Order adopting rules regulating sustained annulus pressures.
CO	527	0	UNION OIL CO OF CALIFORNIA	8/6/2004	Spacing Exception Happy Valley 7.
CO	528	0	UNION OIL CO OF CALIFORNIA	8/6/2004	Spacing Exception Happy Valley 8.
CO	457 B	0	BP EXPLORATION (ALASKA) INC	8/9/2004	Pool rules for development of the Aurora Oil Pool.
CO	529	0	CONOCOPHILLIPS ALASKA INC	8/18/2004	Spacing Exception 1C-08L1-01.
CO	530	0	CONOCOPHILLIPS ALASKA INC	8/19/2004	Spacing Exception KRU 1Y-24A and 1Y-24AL1.
CO	531	0	MARATHON OIL CO	8/24/2004	Spacing Exception Susan Dionne No #2.
CO	532	0	FOREST OIL CORP	9/16/2004	Spacing Exception West Foreland #2 gas production well.
CO	533	0	MARATHON OIL CO	10/4/2004	Waiver of Certain Wellhead Equipment Requirements of 20 AAC 25.200 for Kenai Field Wells.
CO	534	0	MARATHON OIL CO	10/4/2004	Order re: Waiver of Certain Wellhead Equipment Requirement of 20 AAC 25.200 for Beaver Creek Field Wells.
CO	535	0	MARATHON OIL CO	10/4/2004	Order re: Waiver of Certain Wellhead Equipment Requirement of 20 AAC 25.200 for Sterling Field Wells.
CO	443 a	0	CONOCOPHILLIPS ALASKA INC	10/7/2004	Order to expand the enhanced oil recovery project in the Alpine Oil Pool, Colville River Field.
CO	536	0	CONOCOPHILLIPS ALASKA INC	10/12/2004	Spacing Exception for Kuparuk River 1F-18A and 1F-18AL1.
CO	537	0	MARATHON OIL CO	10/25/2004	Spacing exception for Falls Creek #1RD. Falls Creek #3 and Susan Dionne #3. See CO 272, 491 and 468.
CO	538	0	MARATHON OIL CO	11/1/2004	Spacing Exception for Beaver Creek Unit #15.
CO	539	0	UNION OIL CO OF CALIFORNIA	11/1/2004	Spacing Exception for Swanson River Unit KGSF no. 7A.

Order			Operator	Issue Date	Description
CO	540	0	UNION OIL CO OF CALIFORNIA	11/1/2004	Spacing Exception Happy Valley #9.
CO	406 B	0	CONOCOPHILLIPS ALASKA INC	11/2/2004	Spacing exception for the West Sak Oil Pool.
CO	432 C	0	CONOCOPHILLIPS ALASKA INC	11/2/2004	Modification of Pool Rules.
CO	541	0	UNION OIL CO OF CALIFORNIA	11/4/2004	Spacing Exception Happy Valley #10.
CO	543	0	UNION OIL CO OF CALIFORNIA	12/22/2004	Spacing Exception Happy Valley #11.

AQUIFER EXEMPTION ORDERS

AEO	10	0	Envirotech LLC	10/6/2004	Order granting an aquifer exemption beginning at the ground surface for purposes of Class II disposal of treated, rproduced water using a waste-water drain field installed at Envirotech's North Foreland Facility site.
AEO	11	0	UNION OIL CO OF CALIFORNIA	12/7/2004	Aquifer Exemption for portions of the Deep Creek Unit in Township 2 South, Range 13 West, SM, Kenai.

STORAGE INJECTION ORDERS

SIO	2 A	0	UNION OIL CO OF CALIFORNIA	6/25/2004	Order amending Storage Injection Order #2 for underground storage of hydrocarbons by injection into the existing well Kenai Gas Storage Facility #1. Amended by AIO 2A. Superseded by SIO 2A.
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AREA INJECTION ORDERS

AIO	26	0	BP EXPLORATION (ALASKA) INC	1/5/2004	Area Injection Order for Orion Development Area.
AIO	22 C	0	BP EXPLORATION (ALASKA) INC	6/25/2004	Order expanding the area in which injection is authorized in the Aurora Oil Pool, Prudhoe Bay Field
AIO	18 b	0	CONOCOPHILLIPS ALASKA INC	10/7/2004	Order to expand the enhanced oil recovery project in the Alpine Oil Pool, Colville River Field. Superseded by AIO 18B.

DISPOSAL INJECTION ORDERS

DIO	27	0	PELICAN HILL OIL AND GAS INC.	9/16/2004	Order for disposal of Class II oil field wastes by underground injection in the Tyonek Formation in the Iliamna No 1Well. Superseded by DIO 27A
DIO	27 A	0	PELICAN HILL OIL AND GAS INC.	10/4/2004	Amended Order for disposal of Class II oil field wastes by underground injection in the Tyonek Formation in the Iliamna No 1 well, Section 31 T9N, R14W, SM.

Order			Operator	Issue Date	Description
DIO	28	0	UNION OIL CO OF CALIFORNIA	12/7/2004	Disposal of Class II oil field wastes by underground injection in the Tyonek Formation in the Deep Creek Unit NNA No. 1 Well Section 11, T2S, R13W, SM.

ADMINISTRATIVE APPROVALS

CO	362 A	1	BP EXPLORATION (ALASKA) INC	2/3/2004	Commingle production from Lisburne Well L2-14A with production from the Prudhoe Bay Oil Pool with terms and conditions.
DIO	22	2	FOREST OIL CORP	2/3/2004	Disposal injection of Treated Sanitary Waste and Produced water into Redoubt Unit #D1.
CO	477	1	BP EXPLORATION (ALASKA) INC	2/19/2004	Spacing Exception for Milne Point Unit G-18 and G18L1 well (Schrader Bluff).
AIO	22 b	2	BP EXPLORATION (ALASKA) INC	2/22/2004	Extend current pilot miscible injection (MI) operations in Aurora Oil Pool Wells S-112, S-110 and S-116.
DIO	17	3	CONOCOPHILLIPS ALASKA INC	5/3/2004	Authorization to beneficial re-use of treated sanitary waste to flush Claas II-Disposal well A-12.
AIO	22 B	1	BP EXPLORATION (ALASKA) INC	5/11/2004	Authorization to conduct a pilot miscible injection project in Aurora Oil Pool Wells S-112, S-110 and S-116. Superseded by AIO 22B.
CO	406 A	1	CONOCOPHILLIPS ALASKA INC	5/20/2004	Spacing Exception for Kuparuk River Unit 1E-123L1. Amended by CO 494 and Superseded by CO 406B.
DIO	23	1	UNION OIL CO OF CALIFORNIA	6/1/2004	Approval under Rule 6 to change the interval between MIT for Ivan River Unit 13-31 from annual to once every 4 years.
AIO	3	3	BP EXPLORATION (ALASKA) INC	6/7/2004	Authorization for the underground injection of the waste stream generated from the external cleaning of aerial gas coolers at Flow Station 1 and 2 within the Eastern Operating Area of Prudhoe Bay Unit.
AIO	4 C	2	BP EXPLORATION (ALASKA) INC	6/7/2004	Authorization for the underground injection of the waste stream generated from the external cleaning of aerial gas coolers at Flow Station 1 and 2 within the Eastern Operating Area of Prudhoe Bay Unit.
AIO	24	1	BP EXPLORATION (ALASKA) INC	6/29/2004	Authorization to conduct a pilot miscible injection (MI) project in Borealis Oil Pool Wells V-100, L-105 and L-108.
CO	471	3	BP EXPLORATION (ALASKA) INC	6/29/2004	Authorization to conduct a pilot miscible injection (MI) project in Borealis Oil Pool Wells V-100, L-105 and L-108. Amended by CO 492
CO	443	1	CONOCOPHILLIPS ALASKA INC	7/13/2004	Spacing exception CD1-46. Amended by CO 495 and Superseded by CO 443A.

Order		Operator		Issue Date	Description
CO	477	2	BP EXPLORATION (ALASKA) INC	9/8/2004	Spacing Exception for Milne Point Unit I-19L1. Amended by CO 496
CO	477	3	BP EXPLORATION (ALASKA) INC	10/1/2004	Spacing Exception Milne Point Unit H-16 and H-16L1.
SIO	2 A	1	UNION OIL CO OF CALIFORNIA	10/6/2004	Order to expand the Kenai Gas Storage Facility to include well KGsf No. 7A.
AIO	24	2	BP EXPLORATION (ALASKA) INC	10/7/2004	Approval for 120 day extension to the existing authorization to conduct a pilot miscible injection (MI) project in the Borealis Oil Pools in wells V-100, L-105 and L-108.
CO	471	4	BP EXPLORATION (ALASKA) INC	10/7/2004	Approval for 120 day extension to the existing authorization to conduct a pilot miscible injection (MI) project in the Borealis Oil Pools in wells V-100, L-105 and L-108.
DIO	26	3	FOREST OIL CORP	10/8/2004	Administrative Approval Kustatan Field Well #1.
CO	44	73	XTO ENERGY INC	10/14/2004	Administrative Approval MGS C24A-23LN2 Well.
DIO	16	1	FOREST OIL CORP	10/15/2004	Authorization to dispose of non-hazardous wastes, other than those wastes returned from downhole, into West McArthur River Unit (WMRU) 4D, a Class II disposal well
CO	457 A	3	BP EXPLORATION (ALASKA) INC	12/11/2004	Authorization to conduct a pilot miscible injection project in Aurora Oil Pool Wells S-112, S-110 and S-116. Amended by CO 492. Superseded and Replaced by CO 457B.
CO	44	74	XTO ENERGY INC	12/16/2004	Administrative Approval MGS C41-23LN Well.
CO	457 a	4	BP EXPLORATION (ALASKA) INC	12/22/2004	Extend current pilot miscible injection (MI) operations in Aurora Oil Pool Wells S-112, S-110 and S-116.

OTHER

OTH	26	0	UNION OIL CO OF CALIFORNIA	4/1/2004	Enforcement Order for excessful flaring on 7-1-03 and 7-2-03. Unocal to pay AOGCC a penalty in the amount of \$1,383.12.
OTH	29	0	BP EXPLORATION (ALASKA) INC	11/5/2004	Enforcement Action Prudhoe Bay Field A-22.
OTH	30	0		11/16/2004	Regulatory Cost Charges 2005.
OTH	32	0	BP EXPLORATION (ALASKA) INC	12/16/2004	Decision and Order Prudhoe Bay Well H-11.

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Exploratory

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
200-042-0	HOUSTON 22	GRI INC	3/24/2000	6/22/2000	8/26/2004	P&A
50-009-20018-00-00	3460 FSL AND 730 FWL, SEC 9, T18N, R3W, SM	3460 FSL AND 730 FWL, SEC 9, T18N, R3W, SM			513	513
201-240-0	NINILCHIK UNIT, S DIONNE 2XX	MARATHON OIL CO	2/21/2002			EXPIR
50-133-20508-00-00	110 FSL AND 1450 FEL, SEC 6, T1S, R13W, SM	564 FSL AND 2150 FEL, SEC 32, T1N, R13W, M				
201-247-0	SAKONOWYAK RIVER 1XX	BP EXPLORATION (ALASKA) INC	1/29/2002			EXPIR
50-029-23062-00-00	1983 FNL AND 1599 FEL, SEC 1, T12N, R12E, UM	4233 FSL AND 2466 FWL, SEC 36, T13N, R12E, UM				
202-037-0	ALTAMURA 2XX	ANADARKO PETROLEUM CORPORATION	2/25/2002			EXPIR
50-103-20412-00-00	1883 FSL AND 1339 FWL, SEC 19, T9N, R2E, UM	2503 FSL AND 3797 FWL, SEC 19, T9N, R2E, UM				
202-038-0	NOVA 1XX	CONOCOPHILLIPS ALASKA INC	2/26/2002			EXPIR
50-103-20413-00-00	2292 FSL AND 292 FWL, SEC 22, T10N, R2E, UM	2367 FSL AND 292 FWL, SEC 22, T10N, R2E, UM				
202-051-0	PIONEER 1	CONOCOPHILLIPS ALASKA INC	3/8/2002			EXPIR
50-103-20416-00-00	525 FSL AND 87 FWL, SEC 11, T9N, R2E, UM	600 FSL AND 87 FWL, SEC 11, T9N, R2E, UM				
203-026-0	HOT ICE 1	ANADARKO PETROLEUM CORPORATION	3/10/2003	4/1/2003	3/8/2004	P&A
50-103-20451-00-00	1510 FNL AND 1510 FWL, SEC 30, T9N, R8E, UM	1510 FNL AND 1510 FWL, SEC 30, T9N, R8E, UM			2,300	2,300
203-071-0	KALOA 2XX	AURORA GAS LLC	12/15/2003			CANC
50-283-20104-00-00	987 FNL AND 1669 FEL, SEC 26, T11N, R12W, SM	987 FNL AND 1669 FEL, SEC 26, T11N, R12W, SM				
203-172-0	ILIAMNA 1	PELICAN HILL OIL AND GAS INC.	10/24/2003	11/4/2003	9/5/2004	P&A
50-133-20527-00-00	1578 FNL AND 2480 FEL, SEC 31, T9N, R14W, SM	1578 FNL AND 2480 FEL, SEC 31, T9N, R14W, SM			3,530	3,530
203-196-0	CARIBOU 26-11 1	TOTAL E&P USA, INC.	12/29/2003	1/29/2004	2/25/2004	P&A
50-279-20009-00-00	1373 FSL AND 1589 FWL, SEC 26, T10N, R5W, UM	1373 FSL AND 1589 FWL, SEC 26, T10N, R5W, UM			9,362	9,362
203-218-0	CARBON 1	CONOCOPHILLIPS ALASKA INC	12/22/2003	3/4/2004	4/23/2004	SUSP
50-103-20477-00-00	1765 FSL AND 2125 FEL, SEC 4, T10N, R1E, UM	1765 FSL AND 2125 FEL, SEC 4, T10N, R1E, UM			8,196	8,193
203-221-0	NINILCHIK UNIT, FALLS CK 4	MARATHON OIL CO	12/22/2003	1/20/2004	3/26/2004	1-GAS
50-133-20533-00-00	1842 FSL AND 2842 FEL, SEC 6, T1N, R12W, SM	775 FSL AND 1892 FEL, SEC 1, T1N, R13W, SM			7,910	6,047
203-222-0	HAPPY VALLEY A-3	UNION OIL CO OF CALIFORNIA	12/29/2003	2/2/2004	3/12/2004	1-GAS
50-231-20016-00-00	1277 FSL AND 1294 FEL, SEC 22, T2S, R13W, SM	1160 FNL AND 2198 FEL, SEC 22, T2S, R13W, SM			11,345	10,772
203-223-0	HAPPY VALLEY A-4	UNION OIL CO OF CALIFORNIA	12/29/2003	2/6/2004	3/23/2004	1-GAS
50-231-20017-00-00	1270 FSL AND 1297 FEL, SEC 22, T2S, R13W, SM	2083 FSL AND 2258 FEL, SEC 22, T2S, R13W, SM			10,620	10,515
204-006-0	SCOUT 1	CONOCOPHILLIPS ALASKA INC	1/7/2004	3/8/2004	3/28/2004	SUSP
50-103-20479-00-00	571 FSL AND 232 FWL, SEC 20, T11N, R1E, UM	611 FSL AND 267 FWL, SEC 20, T11N, R1E, UM			8,050	8,049

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Exploratory

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-007-0	HAPPY VALLEY A-5	UNION OIL CO OF CALIFORNIA	1/7/2004			OPSHD
50-231-20018-00-00	1264 FSL AND 1299 FEL, SEC 22, T2S, R13W, SM	789 FSL AND 408 FWL, SEC 14, T2S, R13W, SM				
204-008-0	SPARK 4	CONOCOPHILLIPS ALASKA INC	1/12/2004	3/26/2004	4/13/2004	P&A
50-103-20480-00-00	682 FSL AND 568 FEL, SEC 23, T11N, R1E, UM	688 FSL AND 443 FEL, SEC 23, T11N, R1E, UM			8,005	7,997
204-010-0	PAXTON 1	MARATHON OIL CO	1/28/2004			
50-133-20535-00-00	1168 FNL AND 3405 FEL, SEC 13, T1S, R14W, SM	2522 FSL AND 140 FWL, SEC 12, T1S, R14W, SM				
204-014-0	PLACER 1	CONOCOPHILLIPS ALASKA INC	1/30/2004	2/27/2004	4/11/2004	SUSP
50-103-20481-00-00	1009 FSL AND 19 FWL, SEC 33, T12N, R7E, UM	2169 FSL AND 515 FWL, SEC 4, T11N, R7E, UM			7,761	6,289
204-015-0	SPARK 8	CONOCOPHILLIPS ALASKA INC	1/30/2004			
50-103-20482-00-00	1260 FSL AND 253 FWL, SEC 6, T10N, R1E, UM	1260 FSL AND 253 FWL, SEC 6, T10N, R1E, UM				
204-018-0	NIKAITCHUQ 1	KERR-MCGEE OIL & GAS CORP	1/30/2004	2/16/2004	4/1/2004	P&A
50-629-23193-00-00	404 FSL AND 1336 FWL, SEC 16, T14N, R9E, UM	507 FSL AND 1190 FWL, SEC 9, T14N, R9E, UM			11,010	9,307
204-025-0	CARIBOU 09-11 1XX	TOTAL E&P USA, INC.	2/6/2004			CANC
50-279-20010-00-00	2406 FSL AND 4038 FEL, SEC 9, T9N, R5W, UM	2406 FSL AND 4038 FEL, SEC 9, T9N, R5W, UM				
204-033-0	PLACER 2	CONOCOPHILLIPS ALASKA INC	2/24/2004	3/21/2004	4/8/2004	P&A
50-103-20488-00-00	999 FSL AND 20 FEL, SEC 32, T12N, R7E, UM	1567 FNL AND 761 FEL, SEC 33, T12N, R7E, UM			9,118	6,939
204-038-0	NIKAITCHUQ 2	KERR-MCGEE OIL & GAS CORP	3/5/2004	3/13/2004	4/4/2004	P&A
50-629-23199-00-00	2240 FNL AND 1293 FEL, SEC 22, T14N, R9E, UM	2424 FNL AND 1123 FEL, SEC 15, T14N, R9E, UM			11,001	9,508
204-044-0	HAPPY VALLEY A-6	UNION OIL CO OF CALIFORNIA	3/4/2004	4/7/2004	6/15/2004	1-GAS
50-231-20019-00-00	1088 FSL AND 1363 FEL, SEC 22, T2S, R13W, SM	2009 FNL AND 258 FWL, SEC 27, T2S, R13W, SM			11,798	10,400
204-068-0	HAPPY VALLEY A-7XX	UNION OIL CO OF CALIFORNIA	4/27/2004			CANC
50-231-20020-00-00	1312 FSL AND 1170 FEL, SEC 22, T2S, R13W, SM	1415 FSL AND 150 FEL, SEC 15, T2S, R13W, SM				
204-084-0	RED #1	UNION OIL CO OF CALIFORNIA	5/20/2004	6/9/2004	7/17/2004	1-GAS
50-231-20021-00-00	352 FNL AND 392 FWL, SEC 8, T4S, R13W, SM	1616 FNL AND 2307 FWL, SEC 8, T4S, R13W, SM			12,458	12,047
204-096-0	KALOA 2	AURORA GAS LLC	6/9/2004	6/21/2004	7/16/2004	1-GAS
50-283-20107-00-00	1308 FNL AND 1706 FEL, SEC 26, T11N, R12W, SM	1308 FNL AND 1706 FEL, SEC 26, T11N, R12W, SM			3,720	3,720
204-117-0	STAR 1	UNION OIL CO OF CALIFORNIA	7/1/2004	7/12/2004	7/31/2004	1-GAS
50-231-20024-00-00	1357 FSL AND 405 FWL, SEC 24, T3S, R14W, SM	1189 FSL AND 1795 FEL, SEC 23, T3S, R14W, SM			9,130	8,640
204-148-0	RED 2	UNION OIL CO OF CALIFORNIA	8/9/2004	8/14/2004	9/5/2004	1-GAS
50-231-20025-00-00	377 FNL AND 458 FWL, SEC 8, T4S, R13W, SM	2886 FNL AND 1822 FEL, SEC 7, T4S, R13W, SM			10,100	9,280

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Exploratory

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-160-0	TYONEK RESERVE 1 Re-entry	AURORA GAS LLC	9/15/2004			
50-283-10001-90-00	2078 FNL AND 425 FEL, SEC 5, T11N, R11W, SM	2078 FNL AND 425 FEL, SEC 5, T11N, R11W, SM				
204-169-0	RED 3	UNION OIL CO OF CALIFORNIA	9/3/2004			
50-231-20026-00-00	367 FNL AND 431 FWL, SEC 8, T4S, R13W, SM	908 FSL AND 1202 FEL, SEC 6, T4S, R13W, SM				
204-183-0	THREE MILE CK UNIT 1	AURORA GAS LLC	10/26/2004			
50-283-20108-00-00	1560 FNL AND 144 FWL, SEC 35, T13N, R11W, SM	1477 FNL AND 741 FEL, SEC 34, T13N, R11W, SM				
204-226-0	N BELUGA 1	PELICAN HILL OIL AND GAS INC.	11/18/2004			
50-283-20109-00-00	1750 FSL AND 2000 FEL, SEC 12, T13N, R10W, SM	1750 FSL AND 2000 FEL, SEC 12, T13N, R10W, SM				
204-249-0	TUVAAG ST 1	KERR-MCGEE OIL & GAS CORP	12/23/2004			
50-629-23239-00-00	1724 FSL AND 500 FEL, SEC 24, T14N, R8E, UM	2400 FNL AND 1792 FWL, SEC 15, T14N, R8E, UM				

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Stratigraphic

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
203-205-0	LITTLE SU NO. 1	EVERGREEN RESOURCES (ALASKA) CORPORATION	12/11/2003	12/19/2004	4/6/2004	P&A
50-009-20027-00-00	1191 FNL AND 605 FWL, SEC 35, T19N, R1E, SM	1191 FNL AND 605 FWL, SEC 35, T19N, R1E, SM			2,125	2,125
203-206-0	HOUSTON PIT NO. 1	EVERGREEN RESOURCES (ALASKA) CORPORATION	12/10/2003	2/1/2004	3/19/2004	P&A
50-009-20028-00-00	1022 FNL AND 797 FEL, SEC 20, T18N, R3W, SM	1022 FNL AND 797 FEL, SEC 20, T18N, R3W, SM			1,604	1,604
203-208-0	SHEEP CREEK 1	EVERGREEN RESOURCES (ALASKA) CORPORATION	12/19/2003	1/14/2004	3/3/2004	P&A
50-283-20105-00-00	417 FNL AND 1505 FWL, SEC 20, T22N, R4W, SM	417 FNL AND 1505 FWL, SEC 20, T22N, R4W, SM			1,371	1,371
203-209-0	KASHWITNA LAKE 1	EVERGREEN RESOURCES (ALASKA) CORPORATION	12/18/2003	12/31/2004	2/14/2004	P&A
50-283-20106-00-00	1847 FNL AND 2050 FWL, SEC 7, T20N, R4W, SM	1847 FNL AND 2050 FWL, SEC 7, T20N, R4W, SM			1,770	1,770
204-057-0	SLATS 1	EVERGREEN RESOURCES (ALASKA) CORPORATION	4/20/2004	4/24/2004	5/16/2004	P&A
50-009-20030-00-00	2178 FSL AND 524 FWL, SEC 17, T17N, R2W, SM	2178 FSL AND 524 FWL, SEC 17, T17N, R2W, SM			3,095	3,095

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Development

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
197-241-0	HOUSTON 1	GRI INC	1/22/1998	1/8/1998	8/27/2004	P&A
50-009-20009-00-00	1545 FSL AND 1436 FEL, SEC 21, T18N, R3W, SM	1545 FSL AND 1436 FEL, SEC 21, T18N, R3W, SM			1,730	1,730
197-242-0	HOUSTON 2	GRI INC	1/22/1998	1/29/1998	8/27/2004	P&A
50-009-20010-00-00	1216 FSL AND 2111 FEL, SEC 21, T18N, R3W, SM	1216 FSL AND 2111 FEL, SEC 21, T18N, R3W, SM			2,105	2,105
202-047-0	KUPARUK RIV UNIT 3M-26A	CONOCOPHILLIPS ALASKA INC	3/4/2002			EXPIR
50-029-22431-01-00	939 FNL AND 1563 FEL, SEC 25, T13N, R8E, UM	803 FSL AND 357 FEL, SEC 13, T13N, R8E, UM				
202-197-0	PRUDHOE BAY UNIT H-14B	BP EXPLORATION (ALASKA) INC	9/20/2002			EXPIR
50-029-20580-02-00	1542 FNL AND 1265 FEL, SEC 21, T11N, R13E, UM	2678 FNL AND 72 FEL, SEC 16, T11N, R13E, UM				
202-218-0	NORTHSTAR UNIT NS-21	BP EXPLORATION (ALASKA) INC	11/13/2002	11/16/2002	6/13/2004	1-OIL
50-029-23126-00-00	1249 FSL AND 646 FEL, SEC 11, T13N, R13E, UM	2106 FSL AND 3604 FEL, SEC 33, T14N, R13E, UM			22,261	11,078
203-055-0	PRUDHOE BAY UN NIA NK-12C	BP EXPLORATION (ALASKA) INC	4/4/2003	2/18/2004	2/25/2004	1-OIL
50-029-22414-03-00	3952 FNL AND 995 FEL, SEC 36, T12N, R15E, UM	904 FSL AND 2823 FEL, SEC 23, T12N, R15E, UM			17,515	9,257
203-063-0	PRUDHOE BAY UNIT 18-14B	BP EXPLORATION (ALASKA) INC	4/17/2003	2/26/2004	3/11/2004	1-OIL
50-029-21614-02-00	4351 FSL AND 4609 FEL, SEC 19, T11N, R15E, UM	1496 FSL AND 380 FEL, SEC 24, T11N, R14E, UM			12,201	8,748
203-107-0	PRUDHOE BAY UNIT A-30L1	BP EXPLORATION (ALASKA) INC	6/17/2003	6/27/2003	5/29/2004	P&A
50-029-21372-60-00	3181 FNL AND 1014 FEL, SEC 35, T11N, R13E, UM	3349 FNL AND 2317 FWL, SEC 1, T10N, R13E, UM			11,900	8,926
203-110-0	PRUDHOE BAY UNIT D-04B	BP EXPLORATION (ALASKA) INC	6/20/2003	4/2/2004	4/8/2004	1-OIL
50-029-20056-02-00	1800 FNL AND 1067 FEL, SEC 23, T11N, R13E, UM	990 FSL AND 2145 FWL, SEC 13, T11N, R13E, UM			11,900	9,039
203-114-0	PRUDHOE BAY UNIT 15-04A	BP EXPLORATION (ALASKA) INC	6/24/2003	1/9/2004	1/17/2004	1-OIL
50-029-20726-01-00	1206 FNL AND 237 FWL, SEC 22, T11N, R14E, UM	133 FSL AND 5136 FEL, SEC 16, T11N, R14E, UM			12,295	8,897
203-138-0	BEAVER CK UNIT 13	MARATHON OIL CO	8/29/2003	11/9/2003	1/26/2004	1-GAS
50-133-20525-00-00	1302 FNL AND 1474 FWL, SEC 34, T7N, R10W, SM	2448 FNL AND 2716 FWL, SEC 34, T7N, R10W, SM			10,500	10,182
203-146-0	PRUDHOE BAY UNIT 02-29B	BP EXPLORATION (ALASKA) INC	8/25/2003	11/20/2003	4/10/2004	P&A
50-029-22011-02-00	887 FNL AND 1740 FWL, SEC 36, T11N, R14E, UM	1055 FSL AND 4895 FWL, SEC 25, T11N, R14E, UM			10,707	8,873
203-150-0	REDOUBT UNIT 7	FOREST OIL CORP	9/2/2003	9/7/2003	3/25/2004	1-OIL
50-733-20526-00-00	1967 FSL AND 223 FEL, SEC 14, T7N, R14W, SM	2037 FNL AND 2024 FEL, SEC 19, T7N, R13W, SM			15,950	12,332
203-155-0	KUPARUK RIV U TARN 2L-311	CONOCOPHILLIPS ALASKA INC	9/11/2003	3/15/2004	5/23/2004	1-OIL
50-103-20469-00-00	171 FNL AND 661 FEL, SEC 22, T10N, R7E, UM	1912 FNL AND 1962 FEL, SEC 24, T10N, R7E, UM			11,605	5,662
203-160-0	KUPARUK RIV UNIT 3H-10B	CONOCOPHILLIPS ALASKA INC	10/3/2003	5/10/2004	5/15/2004	1-OIL
50-103-20087-02-00	1320 FNL AND 4997 FEL, SEC 12, T12N, R8E, UM	836 FNL AND 4250 FEL, SEC 12, T12N, R8E, UM			6,410	6,274

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Development

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
203-167-0	MILNE PT UNIT KR F-57A	BP EXPLORATION (ALASKA) INC	10/6/2003	11/17/2003	1/13/2004	1-OIL
50-029-22747-01-00	2052 FSL AND 2555 FEL, SEC 6, T13N, R10E, UM	809 FSL AND 4366 FEL, SEC 28, T14N, R10E, UM			16,285	7,743
203-170-0	PRUDHOE BAY UNIT 05-41A	BP EXPLORATION (ALASKA) INC	10/13/2003	1/15/2004	1/23/2004	1-OIL
50-029-22696-01-00	2291 FSL AND 4103 FEL, SEC 32, T11N, R15E, UM	1345 FNL AND 194 FEL, SEC 6, T10N, R15E, UM			11,956	9,049
203-171-0	PRUDHOE BAY UN BORE Z-100	BP EXPLORATION (ALASKA) INC	10/13/2003	11/24/2003	1/15/2004	1-OIL
50-029-23182-00-00	4557 FSL AND 3043 FEL, SEC 19, T11N, R12E, UM	325 FSL AND 2012 FEL, SEC 18, T11N, R12E, UM			7,163	6,939
203-183-0	KENAI BELUGA UNIT 33-06X	MARATHON OIL CO	10/28/2003	12/13/2003	2/5/2004	1-GAS
50-133-20529-00-00	42 FSL AND 860 FEL, SEC 6, T4N, R11W, SM	2051 FSL AND 2019 FEL, SEC 6, T4N, R11W, SM			8,405	7,844
203-184-0	PRUDHOE BAY UNIT A-38L2	BP EXPLORATION (ALASKA) INC	10/30/2003	3/1/2004	3/6/2004	1-OIL
50-029-22347-61-00	2229 FSL AND 1013 FEL, SEC 35, T11N, R13E, UM	183 FNL AND 3175 FEL, SEC 11, T10N, R13E, UM			13,050	9,043
203-188-0	BEAVER CK UNIT BC-12	MARATHON OIL CO	11/18/2003	5/27/2004	8/12/2004	1-GAS
50-133-20530-00-00	2023 FNL AND 482 FEL, SEC 33, T7N, R10W, SM	1295 FNL AND 524 FWL, SEC 34, T7N, R10W, SM			8,839	8,656
203-191-0	CANNERY LOOP UNIT 7	MARATHON OIL CO	11/19/2003	12/20/2003	2/21/2004	1-GAS
50-133-20531-00-00	184 FSL AND 194 FEL, SEC 7, T5N, R11W, SM	4465 FSL AND 3814 FWL, SEC 8, T5N, R11W, SM			10,864	7,992
203-192-0	PRUDHOE BAY UNIT 07-29C	BP EXPLORATION (ALASKA) INC	11/19/2003	12/25/2003	1/8/2004	1-OIL
50-029-21782-03-00	452 FNL AND 327 FEL, SEC 33, T11N, R14E, UM	1858 FSL AND 54 FEL, SEC 21, T11N, R14E, UM			13,020	8,940
203-194-0	PRUDHOE BAY UNIT 15-33B	BP EXPLORATION (ALASKA) INC	12/2/2003	1/1/2004	1/9/2004	1-OIL
50-029-22448-02-00	558 FNL AND 5171 FEL, SEC 22, T11N, R14E, UM	2609 FSL AND 5227 FEL, SEC 16, T11N, R14E, UM			12,699	8,842
203-197-0	COLVILLE RIV UNIT CD2-43	CONOCOPHILLIPS ALASKA INC	12/10/2003	12/27/2003	1/19/2004	1-OIL
50-103-20474-00-00	1994 FNL AND 1512 FEL, SEC 2, T11N, R4E, UM	2883 FNL AND 584 FEL, SEC 15, T11N, R4E, UM			19,040	7,410
203-200-0	PRUDHOE BAY UN AURO S-118	BP EXPLORATION (ALASKA) INC	12/2/2003	1/3/2004	4/12/2004	1-OIL
50-029-23188-00-00	4286 FSL AND 4501 FEL, SEC 35, T12N, R12E, UM	3441 FSL AND 5197 FEL, SEC 35, T12N, R12E, UM			7,255	6,960
203-203-0	KUPARUK RIV U MELT 2P-424	CONOCOPHILLIPS ALASKA INC	12/10/2003	12/27/2003	1/10/2004	P&A
50-103-20475-00-00	910 FNL AND 2050 FWL, SEC 17, T8N, R7E, UM	2623 FSL AND 806 FWL, SEC 21, T8N, R7E, UM			10,548	5,931
203-210-0	MILNE PT UNIT SB G-16	BP EXPLORATION (ALASKA) INC	12/12/2003	1/21/2004	2/3/2004	1-OIL
50-029-23189-00-00	1990 FSL AND 3443 FEL, SEC 27, T13N, R10E, UM	2315 FSL AND 2123 FEL, SEC 26, T13N, R10E, UM			9,561	4,453
203-211-0	MILNE PT UNIT SB G-16L1	BP EXPLORATION (ALASKA) INC	12/12/2003	1/29/2004	2/3/2004	1-OIL
50-029-23189-60-00	1990 FSL AND 3443 FEL, SEC 27, T13N, R10E, UM	2807 FSL AND 2044 FEL, SEC 26, T13N, R10E, UM			10,030	4,401
203-212-0	DUCK IS UNIT MPI 1-65A/N27	BP EXPLORATION (ALASKA) INC	12/11/2003	3/17/2004	4/25/2004	1-OIL
50-029-22627-01-00	3058 FSL AND 2218 FEL, SEC 36, T12N, R16E, UM	1186 FNL AND 1678 FWL, SEC 5, T11N, R17E, UM			15,379	10,249

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Development

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
203-213-0	MILNE PT UNIT KR F-87A	BP EXPLORATION (ALASKA) INC	12/10/2003	12/12/2003	1/27/2004	1-OIL
50-029-23184-01-00	2114 FSL AND 2923 FEL, SEC 6, T13N, R10E, UM	712 FSL AND 1214 FEL, SEC 36, T14N, R9E, UM			9,751	7,431
203-214-0	PRUDHOE BAY UN LIS L2-14A	BP EXPLORATION (ALASKA) INC	12/12/2003	1/21/2004	1/27/2004	P&A
50-029-21758-01-00	1556 FSL AND 1272 FWL, SEC 18, T11N, R15E, UM	1736 FSL AND 3805 FWL, SEC 18, T11N, R15E, UM			10,400	9,148
203-215-0	DUCK IS UNIT SDI 3-33A/J35	BP EXPLORATION (ALASKA) INC	12/12/2003	2/2/2004	2/21/2004	1-OIL
50-029-21668-01-00	2770 FSL AND 690 FEL, SEC 8, T11N, R17E, UM	3085 FSL AND 3890 FWL, SEC 4, T11N, R17E, UM			14,540	10,142
203-216-0	DUCK IS UNIT SDI 3-17F/K30	BP EXPLORATION (ALASKA) INC	12/17/2003	2/26/2004	3/13/2004	1-OIL
50-029-21946-06-00	2524 FNL AND 799 FEL, SEC 8, T11N, R17E, UM	65 FSL AND 5186 FEL, SEC 33, T12N, R17E, UM			15,436	10,225
203-217-0	KENAI BELUGA UNIT 23-7	MARATHON OIL CO	12/17/2003	2/17/2004	7/23/2004	1-GAS
50-133-20532-00-00	317 FSL AND 1105 FWL, SEC 6, T4N, R11W, SM	3307 FNL AND 2146 FWL, SEC 7, T4N, R11W, SM			9,320	7,965
203-219-0	PRUDHOE BAY UNIT Z-30A	BP EXPLORATION (ALASKA) INC	12/22/2003	1/19/2004	2/1/2004	1-OIL
50-029-22013-01-00	714 FNL AND 1323 FWL, SEC 19, T11N, R12E, UM	2951 FSL AND 2038 FWL, SEC 7, T11N, R12E, UM			16,600	8,891
203-220-0	PRUDHOE BAY UNIT H-05A	BP EXPLORATION (ALASKA) INC	12/22/2003	1/26/2004	2/11/2004	1-OIL
50-029-20106-01-00	773 FNL AND 1265 FEL, SEC 21, T11N, R13E, UM	4014 FSL AND 4292 FEL, SEC 16, T11N, R13E, UM			12,470	9,018
203-224-0	MILNE PT UNIT KR L-43	BP EXPLORATION (ALASKA) INC	12/29/2003	1/6/2004	1/16/2004	1-OIL
50-029-23190-00-00	3636 FSL AND 5040 FEL, SEC 8, T13N, R10E, UM	3751 FSL AND 342 FEL, SEC 6, T13N, R10E, UM			9,645	7,484
204-001-0	PRUDHOE BAY UN ORIN L-200	BP EXPLORATION (ALASKA) INC	1/5/2004	1/19/2004	2/23/2004	1-OIL
50-029-23191-00-00	2568 FSL AND 3704 FEL, SEC 34, T12N, R11E, UM	277 FSL AND 2530 FEL, SEC 21, T12N, R11E, UM			13,067	4,356
204-002-0	PRUDHOE BAY UN ORIN L-200L1	BP EXPLORATION (ALASKA) INC	1/5/2004	2/6/2004	2/23/2004	1-OIL
50-029-23191-60-00	2568 FSL AND 3704 FEL, SEC 34, T12N, R11E, UM	288 FSL AND 2532 FEL, SEC 21, T12N, R11E, UM			13,045	4,265
204-003-0	PRUDHOE BAY UN ORIN L-200L2	BP EXPLORATION (ALASKA) INC	1/5/2004	2/14/2004	2/23/2004	1-OIL
50-029-23191-61-00	2568 FSL AND 3704 FEL, SEC 34, T12N, R11E, UM	249 FSL AND 2669 FEL, SEC 21, T12N, R11E, UM			13,115	4,234
204-004-0	PRUDHOE BAY UNIT F-46A	BP EXPLORATION (ALASKA) INC	1/6/2004	3/12/2004	3/18/2004	1-OIL
50-029-22122-01-00	2289 FSL AND 2195 FEL, SEC 2, T11N, R13E, UM	1704 FSL AND 4408 FEL, SEC 2, T11N, R13E, UM			10,675	9,063
204-005-0	CANNERY LOOP UNIT 8	MARATHON OIL CO	1/6/2004	1/25/2004	4/28/2004	1-GAS
50-133-20534-00-00	208 FSL AND 486 FEL, SEC 7, T5N, R11W, SM	2341 FSL AND 3552 FWL, SEC 8, T5N, R11W, SM			9,777	7,941
204-009-0	KUPARUK RIV U MELT 2P-424A	CONOCOPHILLIPS ALASKA INC	1/12/2004	1/11/2004	2/15/2004	1-OIL
50-103-20475-01-00	910 FNL AND 2050 FWL, SEC 17, T8N, R7E, UM	1351 FSL AND 696 FWL, SEC 21, T8N, R7E, UM			11,539	5,873
204-011-0	PRUDHOE BAY UNIT 17-07A	BP EXPLORATION (ALASKA) INC	1/14/2004	2/7/2004	2/20/2004	1-OIL
50-029-20596-01-00	2242 FNL AND 930 FWL, SEC 22, T10N, R15E, UM	3150 FSL AND 329 FWL, SEC 15, T10N, R15E, UM			12,969	8,731

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Development

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-012-0	PRUDHOE BAY UNIT 01-17B	BP EXPLORATION (ALASKA) INC	1/14/2004	1/31/2004	2/9/2004	1-OIL
50-029-20289-02-00	191 FNL AND 646 FWL, SEC 8, T10N, R15E, UM	1222 FSL AND 2581 FEL, SEC 6, T10N, R15E, UM			11,057	9,016
204-016-0	KUPARUK RIV UNIT 3F-19A	CONOCOPHILLIPS ALASKA INC	1/16/2004	2/7/2004	4/1/2004	1-OIL
50-029-22680-01-00	37 FSL AND 124 FEL, SEC 19, T12N, R9E, UM	269 FNL AND 817 FEL, SEC 19, T12N, R9E, UM			8,254	6,281
204-019-0	PRUDHOE BAY UNIT 15-37B	BP EXPLORATION (ALASKA) INC	1/30/2004	4/22/2004	5/7/2004	1-OIL
50-029-22485-02-00	1445 FNL AND 4419 FEL, SEC 22, T11N, R14E, UM	2853 FSL AND 671 FEL, SEC 15, T11N, R14E, UM			12,471	8,780
204-020-0	MILNE PT UNIT SB G-18	BP EXPLORATION (ALASKA) INC	1/30/2004	2/15/2004	3/1/2004	1-OIL
50-029-23194-00-00	2134 FSL AND 3462 FEL, SEC 27, T13N, R10E, UM	2979 FSL AND 5167 FEL, SEC 27, T13N, R10E, UM			8,421	4,184
204-021-0	MILNE PT UNIT SB G-18L1	BP EXPLORATION (ALASKA) INC	1/30/2004	2/25/2004	3/1/2004	1-OIL
50-029-23194-60-00	2134 FSL AND 3462 FEL, SEC 27, T13N, R10E, UM	3013 FSL AND 39 FEL, SEC 28, T13N, R10E, UM			8,563	4,145
204-022-0	KUPARUK RIV U MELT 2P-406	CONOCOPHILLIPS ALASKA INC	1/30/2004	2/27/2004	5/9/2004	1-OIL
50-103-20484-00-00	827 FNL AND 2401 FWL, SEC 17, T8N, R7E, UM	1240 FNL AND 1123 FWL, SEC 16, T8N, R7E, UM			7,350	5,921
204-023-0	PRUDHOE BAY UNIT 17-04B	BP EXPLORATION (ALASKA) INC	2/6/2004	3/1/2004	3/13/2004	1-OIL
50-029-20498-02-00	2795 FSL AND 4830 FEL, SEC 22, T10N, R15E, UM	430 FNL AND 3182 FEL, SEC 28, T10N, R15E, UM			12,048	9,017
204-026-0	KUPARUK RIV U MELT 2P-449	CONOCOPHILLIPS ALASKA INC	2/6/2004	2/11/2004	3/5/2004	1-OIL
50-103-20486-00-00	1026 FNL AND 1564 FWL, SEC 17, T8N, R7E, UM	1700 FNL AND 1879 FEL, SEC 19, T8N, R7E, UM			9,946	5,659
204-027-0	PRUDHOE BAY UN BORE V-115	BP EXPLORATION (ALASKA) INC	2/6/2004	3/16/2004	4/4/2004	1-OIL
50-029-23195-00-00	4722 FSL AND 1503 FEL, SEC 11, T11N, R11E, UM	2231 FSL AND 4048 FWL, SEC 12, T11N, R11E, UM			10,190	6,706
204-030-0	PRUDHOE BAY UNIT 02-24A	BP EXPLORATION (ALASKA) INC	2/10/2004	5/9/2004	5/15/2004	1-OIL
50-029-20744-01-00	1799 FNL AND 36 FWL, SEC 36, T11N, R14E, UM	1238 FNL AND 2109 FEL, SEC 2, T10N, R14E, UM			11,442	9,032
204-032-0	KUPARUK RIV U MELT 2P-443	CONOCOPHILLIPS ALASKA INC	2/12/2004	2/23/2004	4/30/2004	1-OIL
50-103-20487-00-00	998 FNL AND 1680 FWL, SEC 17, T8N, R7E, UM	436 FSL AND 1505 FEL, SEC 8, T8N, R7E, UM			6,334	5,709
204-034-0	KUPARUK RIV U TARN 2N-345A	CONOCOPHILLIPS ALASKA INC	2/25/2004	5/7/2004	6/13/2004	1-OIL
50-103-20264-01-00	144 FNL AND 1113 FEL, SEC 3, T9N, R7E, UM	120 FNL AND 1794 FEL, SEC 4, T9N, R7E, UM			8,557	5,414
204-035-0	KENAI BELUGA UNIT 11-8X	MARATHON OIL CO	2/24/2004	3/28/2004	6/11/2004	1-GAS
50-133-20536-00-00	43 FSL AND 755 FEL, SEC 6, T4N, R11W, SM	77 FSL AND 882 FWL, SEC 5, T4N, R11W, SM			7,659	7,400
204-036-0	PRUDHOE BAY UNIT 14-06A	BP EXPLORATION (ALASKA) INC	2/24/2004	5/21/2004	5/21/2004	1-OIL
50-029-20328-01-00	1731 FNL AND 1129 FEL, SEC 9, T10N, R14E, UM	3807 FNL AND 4585 FEL, SEC 9, T10N, R14E, UM			11,801	9,001
204-037-0	PRUDHOE BAY UN PTM P1-07A	BP EXPLORATION (ALASKA) INC	2/25/2004	4/10/2004	4/24/2004	1-OIL
50-029-21996-01-00	1449 FSL AND 722 FEL, SEC 16, T12N, R14E, UM	4024 FSL AND 2073 FEL, SEC 16, T12N, R14E, UM			10,671	9,207

PERMIT and WELL ACTIVITY

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Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-039-0	MILNE PT UNIT KR C-43	BP EXPLORATION (ALASKA) INC	3/8/2004	3/19/2004	4/26/2004	1-OIL
50-029-23200-00-00	1344 FSL AND 2290 FEL, SEC 10, T13N, R10E, UM	525 FSL AND 523 FEL, SEC 33, T14N, R10E, UM			13,817	7,547
204-040-0	PRUDHOE BAY UNIT E-39A	BP EXPLORATION (ALASKA) INC	3/8/2004	3/20/2004	3/28/2004	1-OIL
50-029-22587-01-00	3358 FSL AND 501 FEL, SEC 6, T11N, R14E, UM	163 FSL AND 1149 FWL, SEC 5, T11N, R14E, UM			12,118	8,948
204-041-0	PRUDHOE BAY UN BORE V-119	BP EXPLORATION (ALASKA) INC	3/1/2004	4/5/2004	6/25/2004	1-OIL
50-029-23201-00-00	4645 FSL AND 1803 FEL, SEC 11, T11N, R11E, UM	2262 FNL AND 450 FWL, SEC 13, T11N, R11E, UM			10,483	6,867
204-042-0	PRUDHOE BAY UNIT 07-06B	BP EXPLORATION (ALASKA) INC	3/1/2004	8/10/2004	8/19/2004	1-OIL
50-029-20294-02-00	1450 FNL AND 117 FEL, SEC 33, T11N, R14E, UM	113 FNL AND 1146 FWL, SEC 34, T11N, R14E, UM			10,401	9,021
204-046-0	PRUDHOE BAY UN ORIN L-201	BP EXPLORATION (ALASKA) INC	3/8/2004	3/17/2004	4/30/2004	1-OIL
50-029-23202-00-00	2598 FSL AND 3588 FEL, SEC 34, T12N, R11E, UM	1476 FSL AND 4655 FWL, SEC 35, T12N, R11E, UM			13,698	4,787
204-047-0	PRUDHOE BAY UN ORIN L-201L1	BP EXPLORATION (ALASKA) INC	3/8/2004	4/6/2004	4/30/2004	1-OIL
50-029-23202-60-00	2598 FSL AND 3588 FEL, SEC 34, T12N, R11E, UM	1440 FSL AND 4549 FWL, SEC 35, T12N, R11E, UM			13,540	4,665
204-048-0	PRUDHOE BAY UN ORIN L-201L2	BP EXPLORATION (ALASKA) INC	3/8/2004	4/14/2004	4/30/2004	1-OIL
50-029-23202-61-00	2598 FSL AND 3588 FEL, SEC 34, T12N, R11E, UM	1470 FSL AND 4566 FWL, SEC 35, T12N, R11E, UM			13,490	4,623
204-049-0	PRUDHOE BAY UN ORIN L-201L3	BP EXPLORATION (ALASKA) INC	3/8/2004	4/23/2004	4/30/2004	1-OIL
50-029-23202-62-00	2598 FSL AND 3588 FEL, SEC 34, T12N, R11E, UM	2940 FSL AND 730 FWL, SEC 35, T12N, R11E, UM			9,860	4,422
204-050-0	PRUDHOE BAY UNIT P-27	BP EXPLORATION (ALASKA) INC	3/16/2004	4/27/2004	5/25/2004	1-OIL
50-029-23203-00-00	2491 FSL AND 3051 FEL, SEC 31, T11N, R13E, UM	4986 FNL AND 2408 FWL, SEC 2, T10N, R12E, UM			18,584	8,956
204-051-0	PRUDHOE BAY UNIT 02-29C	BP EXPLORATION (ALASKA) INC	3/26/2004	4/20/2004	5/4/2004	1-OIL
50-029-22011-03-00	887 FNL AND 1740 FWL, SEC 36, T11N, R14E, UM	1782 FSL AND 4697 FWL, SEC 25, T11N, R14E, UM			11,411	8,856
204-052-0	PRUDHOE BAY UNIT 07-25A	BP EXPLORATION (ALASKA) INC	3/25/2004	4/12/2004	4/18/2004	1-OIL
50-029-20938-01-00	1751 FNL AND 269 FEL, SEC 33, T11N, R14E, UM	1963 FNL AND 4059 FEL, SEC 33, T11N, R14E, UM			10,952	9,013
204-053-0	PRUDHOE BAY UN PBU L2-07A	BP EXPLORATION (ALASKA) INC	3/26/2004	5/24/2004	6/2/2004	1-OIL
50-029-22910-01-00	1315 FSL AND 3802 FEL, SEC 18, T11N, R15E, UM	245 FSL AND 4922 FEL, SEC 12, T11N, R14E, UM			12,956	8,656
204-054-0	MILNE PT UNIT SB E-20A	BP EXPLORATION (ALASKA) INC	4/2/2004	4/23/2004	5/10/2004	1-OIL
50-029-22561-01-00	3637 FSL AND 1955 FEL, SEC 25, T13N, R10E, UM	488 FSL AND 2977 FEL, SEC 23, T13N, R10E, UM			9,878	4,415
204-055-0	MILNE PT UNIT SB E-20AL1	BP EXPLORATION (ALASKA) INC	4/2/2004	5/1/2004	5/10/2004	1-OIL
50-029-22561-60-00	3637 FSL AND 1955 FEL, SEC 25, T13N, R10E, UM	778 FSL AND 4128 FEL, SEC 23, T13N, R10E, UM			11,078	4,247
204-058-0	PRUDHOE BAY UNIT C-24A	BP EXPLORATION (ALASKA) INC	4/14/2004		7/4/2004	1-OIL
50-029-20816-01-00	1425 FNL AND 1030 FEL, SEC 19, T11N, R14E, UM	3319 FNL AND 4106 FEL, SEC 19, T11N, R14E, UM			11,275	9,019

PERMIT and WELL ACTIVITY

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Development

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-059-0	COLVILLE RIV UNIT CD1-08	CONOCOPHILLIPS ALASKA INC	4/14/2004	4/28/2004	5/13/2004	1-OIL
50-103-20489-00-00	272 FNL AND 2757 FEL, SEC 5, T11N, R5E, UM	2581 FSL AND 2198 FWL, SEC 10, T11N, R5E, UM			15,837	6,934
204-060-0	PRUDHOE BAY UN LIS L2-14AL1	BP EXPLORATION (ALASKA) INC	4/20/2004			
50-029-21758-60-00	1556 FSL AND 1272 FWL, SEC 18, T11N, R15E, UM	2290 FSL AND 2606 FWL, SEC 18, T11N, R15E, UM				
204-061-0	KUPARUK RIV UNIT 3S-24A	CONOCOPHILLIPS ALASKA INC	4/22/2004	4/30/2004	5/18/2004	1-OIL
50-103-20456-01-00	2565 FNL AND 1266 FEL, SEC 18, T12N, R8E, UM	268 FNL AND 2471 FEL, SEC 25, T12N, R7E, UM			12,518	6,054
204-063-0	KUPARUK RIV U TARN 2N-311	CONOCOPHILLIPS ALASKA INC	4/21/2004			
50-103-20491-00-00	27 FNL AND 617 FEL, SEC 3, T9N, R7E, UM	539 FSL AND 370 FWL, SEC 26, T10N, R7E, UM				
204-064-0	MILNE PT UNIT SB J-26	BP EXPLORATION (ALASKA) INC	4/21/2004	5/11/2004	5/31/2004	1-OIL
50-029-23205-00-00	2157 FSL AND 3267 FEL, SEC 28, T13N, R10E, UM	3373 FSL AND 3523 FEL, SEC 29, T13N, R10E, UM				
204-066-0	MILNE PT UNIT SB J-26L1	BP EXPLORATION (ALASKA) INC	4/26/2004	5/22/2004	5/31/2004	1-OIL
50-029-23205-60-00	2157 FSL AND 3267 FEL, SEC 28, T13N, R10E, UM	3303 FSL AND 3448 FEL, SEC 29, T13N, R10E, UM			8,670	4,036
204-067-0	MILNE PT UNIT SB J-26L2	BP EXPLORATION (ALASKA) INC	4/26/2004	5/27/2004	5/31/2004	1-OIL
50-029-23205-61-00	2157 FSL AND 3267 FEL, SEC 28, T13N, R10E, UM	3303 FSL AND 3420 FEL, SEC 29, T13N, R10E, UM			8,535	3,987
204-069-0	PRUDHOE BAY UNIT F-28A	BP EXPLORATION (ALASKA) INC	4/26/2004	5/17/2004	5/22/2004	1-OIL
50-029-21649-01-00	2359 FSL AND 2193 FEL, SEC 2, T11N, R13E, UM	3671 FSL AND 554 FEL, SEC 2, T11N, R13E, UM			10,818	9,049
204-070-0	PRUDHOE BAY UNIT 18-33A	BP EXPLORATION (ALASKA) INC	4/27/2004	6/13/2004	6/23/2004	1-OIL
50-029-22598-01-00	3690 FSL AND 56 FEL, SEC 24, T11N, R14E, UM	2772 FSL AND 4043 FWL, SEC 18, T11N, R15E, UM			13,445	8,698
204-073-0	MILNE PT UNIT SB J-25	BP EXPLORATION (ALASKA) INC	5/14/2004	6/27/2004	7/9/2004	1-OIL
50-029-23207-00-00	2741 FSL AND 3413 FEL, SEC 28, T13N, R10E, UM	89 FSL AND 2746 FEL, SEC 20, T13N, R10E, UM			8,348	3,872
204-074-0	KUPARUK RIV U WSAK 1E-123	CONOCOPHILLIPS ALASKA INC	5/13/2004	5/16/2004	6/16/2004	1-OIL
50-029-23208-00-00	933 FSL AND 630 FEL, SEC 16, T11N, R10E, UM	416 FNL AND 875 FEL, SEC 10, T11N, R10E, UM			13,460	3,705
204-075-0	KUPARUK RIV U WSAK 1E-123L1	CONOCOPHILLIPS ALASKA INC	5/19/2004		6/16/2004	1-OIL
50-029-23208-60-00	933 FSL AND 630 FEL, SEC 16, T11N, R10E, UM	535 FNL AND 803 FEL, SEC 10, T11N, R10E, UM			13,345	3,639
204-076-0	SWANSON RIV UNIT 231-16	UNION OIL CO OF CALIFORNIA	5/6/2004			
50-133-20537-00-00	2219 FNL AND 985 FWL, SEC 15, T8N, R9W, SM	1197 FNL AND 1750 FEL, SEC 16, T8N, R9W, SM				
204-077-0	PRUDHOE BAY UNIT V-02	BP EXPLORATION (ALASKA) INC	5/6/2004	5/18/2004	6/18/2004	1-OIL
50-029-23209-00-00	4831 FSL AND 1804 FEL, SEC 11, T11N, R11E, UM	1912 FSL AND 3504 FEL, SEC 2, T11N, R11E, UM			15,086	8,938
204-078-0	PRUDHOE BAY UNIT A-30A	BP EXPLORATION (ALASKA) INC	5/10/2004	5/30/2004	7/7/2004	1-OIL
50-029-21372-01-00	3181 FNL AND 1014 FEL, SEC 35, T11N, R13E, UM	4145 FNL AND 3981 FWL, SEC 1, T10N, R13E, UM			13,859	8,927

PERMIT and WELL ACTIVITY

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Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-079-0	PRUDHOE BAY UNIT A-12A	BP EXPLORATION (ALASKA) INC	5/10/2004			
50-029-20515-01-00	1116 FNL AND 920 FEL, SEC 35, T11N, R13E, UM	948 FSL AND 2291 FEL, SEC 26, T11N, R13E, UM				
204-080-0	PRUDHOE BAY UNIT W-05A	BP EXPLORATION (ALASKA) INC	5/10/2004	8/26/2004	9/6/2004	1-OIL
50-029-21939-01-00	1297 FNL AND 1192 FEL, SEC 21, T11N, R12E, UM	2993 FNL AND 29 FWL, SEC 26, T11N, R12E, UM			15,655	8,976
204-082-0	COLVILLE RIV UNIT CD2-31	CONOCOPHILLIPS ALASKA INC	5/18/2004	6/5/2004	7/2/2004	1-OIL
50-103-20493-00-00	1875 FNL AND 1526 FEL, SEC 2, T11N, R4E, UM	2902 FNL AND 3804 FEL, SEC 33, T12N, R4E, UM			18,131	7,311
204-085-0	PRUDHOE BAY UNIT 02-06B	BP EXPLORATION (ALASKA) INC	5/20/2004	5/27/2004	6/5/2004	1-OIL
50-029-20086-02-00	1300 FNL AND 1815 FWL, SEC 36, T11N, R14E, UM	4769 FNL AND 4318 FEL, SEC 35, T11N, R14E, UM			13,081	9,073
204-086-0	BEAVER CK UNIT 14	MARATHON OIL CO	6/8/2004	7/2/2004	9/22/2004	1-GAS
50-133-20539-00-00	113 FSL AND 1388 FEL, SEC 33, T7N, R10W, SM	2092 FSL AND 312 FEL, SEC 33, T7N, R10W, SM			9,361	8,789
204-087-0	PRUDHOE BAY UNIT 06-23B	BP EXPLORATION (ALASKA) INC	6/1/2004	6/8/2004	6/6/2004	1-OIL
50-029-20808-02-00	4577 FNL AND 1008 FEL, SEC 2, T10N, R14E, UM	2559 FNL AND 883 FEL, SEC 2, T10N, R14E, UM			10,353	9,035
204-088-0	SWANSON RIV UNIT 241-16	UNION OIL CO OF CALIFORNIA	5/28/2004	5/28/2004	6/10/2004	1-GAS
50-133-20540-00-00	2219 FNL AND 985 FWL, SEC 15, T8N, R9W, SM	1214 FNL AND 565 FEL, SEC 16, T8N, R9W, SM			4,264	3,636
204-089-0	COLVILLE RIV UNIT CD2-53	CONOCOPHILLIPS ALASKA INC	6/2/2004	7/3/2004	7/18/2004	1-OIL
50-103-20494-00-00	2093 FNL AND 1499 FEL, SEC 2, T11N, R4E, UM	3639 FNL AND 4302 FEL, SEC 18, T11N, R5E, UM			16,985	7,200
204-090-0	PRUDHOE BAY UNIT V-01	BP EXPLORATION (ALASKA) INC	6/2/2004	6/19/2004	7/11/2004	1-OIL
50-029-23210-00-00	4685 FSL AND 1648 FEL, SEC 11, T11N, R11E, UM	843 FSL AND 73 FEL, SEC 10, T11N, R11E, UM			14,620	8,967
204-091-0	KUPARUK RIV U WSAK 1E-112	CONOCOPHILLIPS ALASKA INC	6/8/2004	6/26/2004	7/31/2004	1-OIL
50-029-23211-00-00	191 FSL AND 226 FEL, SEC 16, T11N, R10E, UM	1695 FNL AND 2250 FWL, SEC 27, T11N, R10E, UM			11,425	3,597
204-092-0	KUPARUK RIV U WSAK 1E-112L1	CONOCOPHILLIPS ALASKA INC	6/9/2004	7/11/2004	7/31/2004	1-OIL
50-029-23211-60-00	191 FSL AND 226 FEL, SEC 16, T11N, R10E, UM	1559 FNL AND 2203 FWL, SEC 27, T11N, R10E, UM			11,285	3,409
204-093-0	KUPARUK RIV U WSAK 1E-112L2	CONOCOPHILLIPS ALASKA INC	6/9/2004	6/26/2004	7/31/2004	1-OIL
50-029-23211-61-00	191 FSL AND 226 FEL, SEC 16, T11N, R10E, UM	1561 FNL AND 2265 FWL, SEC 27, T11N, R10E, UM			11,273	3,333
204-094-0	PRUDHOE BAY UNIT C-17B	BP EXPLORATION (ALASKA) INC	6/4/2004		7/21/2004	1-OIL
50-029-20439-02-00	6 FNL AND 1217 FEL, SEC 19, T11N, R14E, UM	827 FSL AND 185 FEL, SEC 7, T11N, R14E, UM			12,770	8,944
204-095-0	PRUDHOE BAY UN LIS L2-14B	BP EXPLORATION (ALASKA) INC	6/4/2004	6/5/2004	6/12/2004	1-OIL
50-029-21758-02-00	1556 FSL AND 1272 FWL, SEC 18, T11N, R15E, UM	1921 FSL AND 3678 FWL, SEC 18, T11N, R15E, UM			10,598	8,917
204-097-0	COLVILLE RIV UNIT CD2-05	CONOCOPHILLIPS ALASKA INC	6/10/2004	7/27/2004	8/22/2004	1-OIL
50-103-20495-00-00	1617 FNL AND 1558 FEL, SEC 2, T11N, R4E, UM	4156 FNL AND 304 FEL, SEC 4, T11N, R4E, UM			16,350	7,295

PERMIT and WELL ACTIVITY

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Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-098-0	MILNE PT UNIT SB I-17	BP EXPLORATION (ALASKA) INC	6/22/2004	7/11/2004	8/1/2004	1-OIL
50-029-23212-00-00	2323 FSL AND 3581 FEL, SEC 33, T13N, R10E, UM	3267 FSL AND 4362 FEL, SEC 32, T13N, R10E, UM			9,253	3,723
204-099-0	MILNE PT UNIT SB I-17L1	BP EXPLORATION (ALASKA) INC	6/22/2004	7/22/2004	8/1/2004	1-OIL
50-029-23212-60-00	2323 FSL AND 3581 FEL, SEC 33, T13N, R10E, UM	3267 FSL AND 4394 FEL, SEC 32, T13N, R10E, UM			9,260	3,943
204-100-0	MILNE PT UNIT SB I-17L2	BP EXPLORATION (ALASKA) INC	6/22/2004	7/27/2004	8/1/2004	1-OIL
50-029-23212-61-00	2323 FSL AND 3581 FEL, SEC 33, T13N, R10E, UM	3273 FSL AND 4373 FEL, SEC 32, T13N, R10E, UM			9,226	3,836
204-101-0	KUPARUK RIV UNIT 1G-08A	CONOCOPHILLIPS ALASKA INC	6/10/2004	6/24/2004	7/23/2004	1-OIL
50-029-20849-01-00	1323 FSL AND 590 FWL, SEC 29, T12N, R10E, UM	2306 FNL AND 1644 FEL, SEC 30, T12N, R10E, UM			7,960	6,948
204-102-0	PRUDHOE BAY UNIT W-09A	BP EXPLORATION (ALASKA) INC	6/8/2004			
50-029-21947-01-00	1437 FNL AND 1194 FEL, SEC 21, T11N, R12E, UM	941 FNL AND 1969 FEL, SEC 32, T11N, R12E, UM				
204-103-0	PRUDHOE BAY UNIT 15-46L1	BP EXPLORATION (ALASKA) INC	6/10/2004	6/30/2004	7/5/2004	1-OIL
50-029-22665-60-00	4764 FSL AND 5183 FEL, SEC 22, T11N, R14E, UM	5202 FSL AND 1667 FEL, SEC 16, T11N, R14E, UM			13,524	8,786
204-104-0	PRUDHOE BAY UN LIS L2-21A	BP EXPLORATION (ALASKA) INC	6/10/2004		7/24/2004	1-OIL
50-029-21485-01-00	1726 FSL AND 1058 FWL, SEC 18, T11N, R15E, UM	598 FSL AND 3485 FEL, SEC 13, T11N, R14E, UM			12,139	8,967
204-105-0	PRUDHOE BAY UNIT N-07A	BP EXPLORATION (ALASKA) INC	6/15/2004	7/18/2004	8/10/2004	1-OIL
50-029-20137-01-00	3061 FNL AND 4709 FEL, SEC 8, T11N, R13E, UM	2976 FNL AND 1157 FEL, SEC 8, T11N, R13E, UM			10,832	9,098
204-106-0	HAPPY VALLEY A-7	UNION OIL CO OF CALIFORNIA	6/16/2004	6/14/2004	8/25/2004	1-GAS
50-231-20022-00-00	1319 FSL AND 1190 FEL, SEC 22, T2S, R13W, SM	294 FSL AND 571 FEL, SEC 15, T2S, R13W, SM			10,274	9,000
204-107-0	NINILCHIK UNIT, S DIONNE 2	MARATHON OIL CO	6/22/2004			
50-133-20541-00-00	219 FSL AND 1418 FEL, SEC 6, T1S, R13W, SM	330 FSL AND 1210 FEL, SEC 31, T1S, R13W, SM				
204-108-0	PRUDHOE BAY UNIT Z-23B	BP EXPLORATION (ALASKA) INC	6/22/2004	8/26/2004	9/9/2004	1-OIL
50-029-21950-02-00	4560 FSL AND 3214 FEL, SEC 19, T11N, R12E, UM	712 FSL AND 4541 FEL, SEC 18, T11N, R12E, UM			10,550	9,050
204-109-0	PRUDHOE BAY UNIT C-25B	BP EXPLORATION (ALASKA) INC	6/22/2004	10/7/2004	10/12/2004	1-OIL
50-029-20819-02-00	1535 FNL AND 1031 FEL, SEC 19, T11N, R14E, UM	3927 FNL AND 1098 FWL, SEC 20, T11N, R14E, UM			12,182	9,034
204-110-0	PRUDHOE BAY UNIT K-09C	BP EXPLORATION (ALASKA) INC	6/22/2004	7/8/2004	7/17/2004	1-OIL
50-029-21736-03-00	2113 FNL AND 493 FWL, SEC 4, T11N, R14E, UM	3616 FNL AND 1594 FEL, SEC 5, T11N, R14E, UM			12,352	9,007
204-111-0	KUPARUK RIV UNIT 1C-08L1	CONOCOPHILLIPS ALASKA INC	7/20/2004	8/1/2004	8/13/2004	1-OIL
50-029-20585-60-00	1240 FNL AND 660 FWL, SEC 12, T11N, R10E, UM	2602 FSL AND 5246 FEL, SEC 2, T11N, R10E, UM			10,954	6,556
204-112-0	KUPARUK RIV UNIT 1C-08L1-01	CONOCOPHILLIPS ALASKA INC	7/20/2004	8/8/2004	8/13/2004	1-OIL
50-029-20585-60-01	1240 FNL AND 660 FWL, SEC 12, T11N, R10E, UM	2869 FSL AND 97 FEL, SEC 3, T11N, R10E, UM			11,351	6,460

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Development

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-113-0	PRUDHOE BAY UNIT N-01A	BP EXPLORATION (ALASKA) INC	6/28/2004	7/27/2004	9/18/2004	1-OIL
50-029-20079-01-00	3761 FNL AND 4724 FEL, SEC 8, T11N, R13E, UM	2248 FNL AND 4226 FEL, SEC 8, T11N, R13E, UM			9,750	8,980
204-114-0	HAPPY VALLEY A-8	UNION OIL CO OF CALIFORNIA	6/30/2004	7/20/2004	8/27/2004	1-GAS
50-231-20023-00-00	1324 FSL AND 1203 FEL, SEC 22, T2S, R13W, SM	1931 FSL AND 1094 FEL, SEC 21, T2S, R13W, SM			8,900	6,734
204-115-0	PRUDHOE BAY UNIT K-03B	BP EXPLORATION (ALASKA) INC	6/30/2004	7/25/2004	8/4/2004	1-OIL
50-029-21011-02-00	1728 FNL AND 1121 FWL, SEC 4, T11N, R14E, UM	383 FNL AND 1293 FWL, SEC 4, T11N, R14E, UM			11,585	8,824
204-118-0	PRUDHOE BAY UNIT K-05C	BP EXPLORATION (ALASKA) INC	7/9/2004	7/20/2004	7/25/2004	1-OIL
50-029-21418-03-00	1935 FNL AND 441 FWL, SEC 4, T11N, R14E, UM	1319 FNL AND 109 FEL, SEC 8, T11N, R14E, UM			11,686	8,831
204-119-0	MILNE PT UNIT SB I-14	BP EXPLORATION (ALASKA) INC	7/12/2004	8/2/2004	8/27/2004	1-OIL
50-029-23214-00-00	2348 FSL AND 4055 FEL, SEC 33, T13N, R10E, UM	1292 FSL AND 3470 FEL, SEC 29, T13N, R10E, UM			9,863	4,033
204-120-0	MILNE PT UNIT SB I-14L1	BP EXPLORATION (ALASKA) INC	7/12/2004	8/14/2004	8/27/2004	1-OIL
50-029-23214-60-00	2348 FSL AND 4055 FEL, SEC 33, T13N, R10E, UM	1362 FSL AND 3454 FEL, SEC 29, T13N, R10E, UM			9,910	3,973
204-121-0	MILNE PT UNIT SB I-14L2	BP EXPLORATION (ALASKA) INC	7/12/2004	8/20/2004	8/27/2004	1-OIL
50-029-23214-61-00	2348 FSL AND 4055 FEL, SEC 33, T13N, R10E, UM	1239 FSL AND 3516 FEL, SEC 29, T13N, R10E, UM			9,768	3,835
204-122-0	KUPARUK RIV U WSAK 1E-126	CONOCOPHILLIPS ALASKA INC	7/12/2004	8/2/2004	8/31/2004	1-OIL
50-029-23215-00-00	852 FSL AND 631 FEL, SEC 16, T11N, R10E, UM	1799 FNL AND 1963 FEL, SEC 27, T11N, R10E, UM			12,612	3,572
204-123-0	KUPARUK RIV U WSAK 1E-126L1	CONOCOPHILLIPS ALASKA INC	7/12/2004	8/17/2004	8/31/2004	1-OIL
50-029-23215-60-00	852 FSL AND 631 FEL, SEC 16, T11N, R10E, UM	1639 FNL AND 1948 FEL, SEC 27, T11N, R10E, UM			12,468	3,394
204-124-0	KUPARUK RIV U WSAK 1E-126L2	CONOCOPHILLIPS ALASKA INC	7/12/2004	8/24/2004	8/31/2004	1-OIL
50-029-23215-61-00	852 FSL AND 631 FEL, SEC 16, T11N, R10E, UM	1639 FNL AND 1935 FEL, SEC 27, T11N, R10E, UM			12,457	3,382
204-125-0	KUPARUK RIV UNIT 1Y-24A	CONOCOPHILLIPS ALASKA INC	7/13/2004	10/7/2004	10/18/2004	1-OIL
50-029-22371-01-00	570 FNL AND 1762 FWL, SEC 1, T11N, R9E, UM	4907 FNL AND 1352 FWL, SEC 1, T11N, R9E, UM			9,785	6,116
204-126-0	KUPARUK RIV UNIT 1Y-24AL1	CONOCOPHILLIPS ALASKA INC	7/13/2004	10/11/2004	10/18/2004	1-OIL
50-029-22371-60-00	570 FNL AND 1762 FWL, SEC 1, T11N, R9E, UM	1562 FNL AND 2980 FWL, SEC 12, T11N, R9E, UM			9,678	6,064
204-128-0	PRUDHOE BAY UNIT 07-32B	BP EXPLORATION (ALASKA) INC	7/14/2004	7/29/2004	8/4/2004	1-OIL
50-029-22525-02-00	919 FNL AND 227 FEL, SEC 33, T11N, R14E, UM	3499 FSL AND 1249 FEL, SEC 28, T11N, R14E, UM			11,483	9,000
204-129-0	COLVILLE RIV UNIT CD2-09	CONOCOPHILLIPS ALASKA INC	7/20/2004	9/3/2004	9/11/2004	1-OIL
50-103-20496-00-00	1656 FNL AND 1552 FEL, SEC 2, T11N, R4E, UM	1556 FNL AND 553 FWL, SEC 27, T12N, R4E, UM			16,409	7,169
204-131-0	PRUDHOE BAY UN ORIN V-204	BP EXPLORATION (ALASKA) INC	7/20/2004	7/29/2004	9/1/2004	1-OIL
50-029-23217-00-00	4653 FSL AND 1774 FEL, SEC 11, T11N, R11E, UM	3403 FSL AND 396 FWL, SEC 1, T11N, R11E, UM			9,264	4,700

PERMIT and WELL ACTIVITY

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Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-132-0	PRUDHOE BAY UN ORIN V-204L1	BP EXPLORATION (ALASKA) INC	7/20/2004	7/29/2004	9/1/2004	1-OIL
50-029-23217-60-00	4653 FSL AND 1774 FEL, SEC 11, T11N, R11E, UM	3344 FSL AND 506 FWL, SEC 1, T11N, R11E, UM			9,306	4,606
204-133-0	PRUDHOE BAY UN ORIN V-204L2	BP EXPLORATION (ALASKA) INC	7/20/2004	7/29/2004	9/1/2004	1-OIL
50-029-23217-61-00	4653 FSL AND 1774 FEL, SEC 11, T11N, R11E, UM	3411 FSL AND 439 FWL, SEC 1, T11N, R11E, UM			9,220	4,572
204-134-0	PRUDHOE BAY UN ORIN V-204L3	BP EXPLORATION (ALASKA) INC	7/20/2004	7/29/2004	9/1/2004	1-OIL
50-029-23217-62-00	4653 FSL AND 1774 FEL, SEC 11, T11N, R11E, UM	3392 FSL AND 432 FWL, SEC 1, T11N, R11E, UM			3,225	4,509
204-135-0	MILNE PT UNIT SB I-19	BP EXPLORATION (ALASKA) INC	7/30/2004	8/28/2004	9/13/2004	1-OIL
50-029-23218-00-00	2319 FSL AND 3521 FEL, SEC 33, T13N, R10E, UM	4538 FSL AND 4284 FEL, SEC 28, T13N, R10E, UM			9,720	4,088
204-136-0	MILNE PT UNIT SB I-19L1	BP EXPLORATION (ALASKA) INC	7/30/2004	9/7/2004	9/13/2004	1-OIL
50-029-23218-60-00	2319 FSL AND 3521 FEL, SEC 33, T13N, R10E, UM	5260 FSL AND 1475 FEL, SEC 29, T13N, R10E, UM			12,225	4,045
204-138-0	PRUDHOE BAY UNIT J-25A	BP EXPLORATION (ALASKA) INC	7/30/2004	8/9/2004	8/15/2004	1-OIL
50-029-21741-01-00	800 FNL AND 1881 FEL, SEC 9, T11N, R13E, UM	134 FSL AND 812 FEL, SEC 4, T11N, R13E, UM			10,306	9,048
204-139-0	PRUDHOE BAY UNIT E-18B	BP EXPLORATION (ALASKA) INC	7/29/2004			
50-029-20654-02-00	1853 FNL AND 501 FEL, SEC 6, T11N, R14E, UM	1644 FNL AND 696 FWL, SEC 8, T11N, R14E, UM				
204-140-0	MGS C31-26RD	XTO ENERGY INC	7/30/2004	9/8/2004	10/19/2004	1-OIL
50-733-20052-01-00	542 FSL AND 1596 FEL, SEC 23, T8N, R13W, SM	1529 FNL AND 1951 FEL, SEC 26, T8N, R13W, SM			10,093	9,666
204-142-0	PRUDHOE BAY UNIT N-11C	BP EXPLORATION (ALASKA) INC	7/29/2004	8/10/2004	9/17/2004	1-OIL
50-029-21375-02-00	1023 FSL AND 540 FWL, SEC 8, T11N, R13E, UM	2073 FNL AND 508 FEL, SEC 18, T11N, R13E, UM			10,400	9,006
204-143-0	W FORELAND 2	FOREST OIL CORP	9/1/2004			
50-133-20542-00-00	886 FSL AND 571 FEL, SEC 21, T8N, R14W, SM	1354 FNL AND 1139 FEL, SEC 21, T8N, R14W, SM				
204-144-0	PRUDHOE BAY UNIT W-27A	BP EXPLORATION (ALASKA) INC	8/2/2004	8/19/2004	8/25/2004	1-OIL
50-029-21894-01-00	910 FNL AND 1445 FEL, SEC 21, T11N, R12E, UM	2007 FNL AND 2481 FEL, SEC 20, T11N, R12E, UM			12,205	9,046
204-145-0	KUPARUK RIV UNIT 1D-30L1	CONOCOPHILLIPS ALASKA INC	8/9/2004	8/31/2004	9/8/2004	1-OIL
50-029-22965-60-00	387 FNL AND 419 FEL, SEC 23, T11N, R10E, UM	271 FNL AND 3561 FWL, SEC 30, T11N, R11E, UM			13,715	6,534
204-146-0	PRUDHOE BAY UNIT 15-11B	BP EXPLORATION (ALASKA) INC	8/17/2004	8/24/2004	9/3/2004	1-OIL
50-029-20653-02-00	1999 FNL AND 3829 FEL, SEC 22, T11N, R14E, UM	3995 FNL AND 1191 FEL, SEC 22, T11N, R14E, UM			12,968	8,836
204-147-0	PRUDHOE BAY UNIT U-12A	BP EXPLORATION (ALASKA) INC	8/9/2004	9/2/2004	9/19/2004	1-OIL
50-029-21409-01-00	463 FSL AND 2276 FEL, SEC 18, T11N, R13E, UM	2533 FSL AND 1664 FEL, SEC 12, T11N, R12E, UM			14,600	8,786
204-149-0	PRUDHOE BAY UNIT L-02A	BP EXPLORATION (ALASKA) INC	8/12/2004			
50-029-23048-01-00	2528 FSL AND 3860 FEL, SEC 34, T12N, R11E, UM	4519 FSL AND 517 FEL, SEC 32, T12N, R11E, UM				

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Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-152-0	COLVILLE RIV UNIT CD2-05L1	CONOCOPHILLIPS ALASKA INC	8/16/2004	8/13/2004	8/22/2004	1-OIL
50-103-20495-60-00	1617 FNL AND 1558 FEL, SEC 2, T11N, R4E, UM	2833 FNL AND 925 FEL, SEC 4, T11N, R4E, UM			17,816	7,333
204-153-0	KUPARUK RIV U WSAK 1E-166	CONOCOPHILLIPS ALASKA INC	8/23/2004	9/1/2004	9/24/2004	1-OIL
50-029-23220-00-00	147 FNL AND 640 FEL, SEC 21, T11N, R10E, UM	1961 FNL AND 1052 FWL, SEC 27, T11N, R10E, UM			9,602	3,519
204-154-0	KUPARUK RIV U WSAK 1E-166L1	CONOCOPHILLIPS ALASKA INC	8/23/2004	9/13/2004	9/24/2004	1-OIL
50-029-23220-60-00	147 FNL AND 640 FEL, SEC 21, T11N, R10E, UM	1810 FNL AND 1113 FWL, SEC 27, T11N, R10E, UM			9,423	3,330
204-155-0	KUPARUK RIV U WSAK 1E-166L2	CONOCOPHILLIPS ALASKA INC	8/23/2004	9/19/2004	9/24/2004	1-OIL
50-029-23220-61-00	147 FNL AND 640 FEL, SEC 21, T11N, R10E, UM	1810 FNL AND 1016 FWL, SEC 27, T11N, R10E, UM			9,417	3,258
204-156-0	West Fork 03	MARATHON OIL CO	8/23/2004			
50-133-20543-00-00	1981 FNL AND 1919 FEL, SEC 21, T6N, R9W, SM	1285 FNL AND 1092 FWL, SEC 22, T6N, R9W, SM				
204-157-0	PRUDHOE BAY UNIT 02-16B	BP EXPLORATION (ALASKA) INC	8/23/2004	9/24/2004	10/3/2004	1-OIL
50-029-20448-02-00	4948 FSL AND 807 FWL, SEC 36, T11N, R14E, UM	4967 FSL AND 52 FEL, SEC 27, T11N, R14E, UM			13,685	8,864
204-159-0	PRUDHOE BAY UNIT 15-26B	BP EXPLORATION (ALASKA) INC	8/19/2004	9/20/2004	9/26/2004	1-OIL
50-029-22235-02-00	1030 FNL AND 202 FWL, SEC 22, T11N, R14E, UM	2449 FSL AND 1821 FEL, SEC 16, T11N, R14E, UM			13,345	2,085
204-161-0	CANNERY LOOP UNIT 9	MARATHON OIL CO	9/1/2004			
50-133-20544-00-00	204 FSL AND 547 FEL, SEC 7, T5N, R11W, SM	568 FSL AND 2607 FWL, SEC 8, T5N, R11W, SM				
204-162-0	PRUDHOE BAY UN AURO S-119	BP EXPLORATION (ALASKA) INC	8/26/2004			
50-029-23222-00-00	4497 FSL AND 4498 FEL, SEC 35, T12N, R12E, UM	4361 FSL AND 3009 FEL, SEC 21, T12N, R12E, UM				
204-164-0	PRUDHOE BAY UNIT 02-28A	BP EXPLORATION (ALASKA) INC	9/1/2004			
50-029-22012-01-00	273 FNL AND 796 FWL, SEC 36, T11N, R14E, UM	1381 FSL AND 1362 FEL, SEC 26, T11N, R14E, UM				
204-165-0	PRUDHOE BAY UNIT 02-28AL1	BP EXPLORATION (ALASKA) INC	9/1/2004			
50-029-22012-60-00	273 FNL AND 796 FWL, SEC 36, T11N, R14E, UM	1658 FSL AND 3202 FEL, SEC 26, T11N, R14E, UM				
204-167-0	KUPARUK RIV UNIT 1F-18A	CONOCOPHILLIPS ALASKA INC	9/7/2004	9/12/2004	9/29/2004	1-OIL
50-029-22654-01-00	792 FNL AND 455 FEL, SEC 19, T11N, R10E, UM	2802 FSL AND 1528 FWL, SEC 17, T11N, R10E, UM			9,065	6,078
204-168-0	KUPARUK RIV UNIT 1F-18AL1	CONOCOPHILLIPS ALASKA INC	9/7/2004	9/18/2004	9/29/2004	1-OIL
50-029-22654-60-00	792 FNL AND 455 FEL, SEC 19, T11N, R10E, UM	2792 FSL AND 1658 FWL, SEC 17, T11N, R10E, UM			9,144	6,272
204-170-0	HAPPY VALLEY A-9	UNION OIL CO OF CALIFORNIA	9/10/2004			
50-231-20027-00-00	1104 FSL AND 1300 FEL, SEC 22, T2S, R13W, SM	724 FSL AND 365 FEL, SEC 21, T2S, R13W, SM				
204-171-0	KUPARUK RIV U WSAK 1E-114	CONOCOPHILLIPS ALASKA INC	9/21/2004	9/25/2004	10/26/2004	1-OIL
50-029-23223-00-00	91 FSL AND 227 FEL, SEC 16, T11N, R10E, UM	321 FNL AND 94 FEL, SEC 15, T11N, R10E, UM			11,857	3,788

PERMIT and WELL ACTIVITY

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Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-172-0 50-029-23223-60-00	KUPARUK RIV U WSAK 1E-114L1 91 FSL AND 227 FEL, SEC 16, T11N, R10E, UM	CONOCOPHILLIPS ALASKA INC 318 FNL AND 66 FEL, SEC 15, T11N, R10E, UM	9/29/2004	10/10/2004	10/26/2004 11,841	1-OIL 3,611
204-173-0 50-029-23223-61-00	KUPARUK RIV U WSAK 1E-114L2 91 FSL AND 227 FEL, SEC 16, T11N, R10E, UM	CONOCOPHILLIPS ALASKA INC 319 FNL AND 86 FEL, SEC 15, T11N, R10E, UM	10/6/2004	10/19/2004	10/26/2004 11,833	1-OIL 3,539
204-174-0 50-029-23224-00-00	MILNE PT UNIT SB H-18 3026 FSL AND 3986 FEL, SEC 34, T13N, R10E, UM	BP EXPLORATION (ALASKA) INC 2134 FSL AND 2713 FEL, SEC 28, T13N, R10E, UM	9/16/2004	9/24/2004	10/13/2004 8,639	1-OIL 4,226
204-175-0 50-029-23224-60-00	MILNE PT UNIT SB H-18L1 3026 FSL AND 3986 FEL, SEC 34, T13N, R10E, UM	BP EXPLORATION (ALASKA) INC 2125 FSL AND 2701 FEL, SEC 28, T13N, R10E, UM	9/16/2004	10/4/2004	10/13/2004 8,596	1-OIL 4,119
204-176-0 50-029-23224-61-00	MILNE PT UNIT SB H-18L2 3026 FSL AND 3986 FEL, SEC 34, T13N, R10E, UM	BP EXPLORATION (ALASKA) INC 2127 FSL AND 2784 FEL, SEC 28, T13N, R10E, UM	9/16/2004	10/8/2004	10/13/2004 8,630	1-OIL 3,986
204-177-0 50-103-20496-60-00	COLVILLE RIV UNIT CD2-09L1 1656 FNL AND 1552 FEL, SEC 2, T11N, R4E, UM	CONOCOPHILLIPS ALASKA INC 1827 FNL AND 713 FWL, SEC 27, T12N, R4E, UM	9/27/2004	9/7/2004	9/11/2004 16,094	1-OIL 7,197
204-182-0 50-733-20415-01-00	MGS C22A-26LN 500 FSL AND 1538 FEL, SEC 23, T8N, R13W, SM	XTO ENERGY INC 1216 FSL AND 855 FWL, SEC 23, T8N, R13W, SM	10/6/2004			
204-184-0 50-029-20023-02-00	PRUDHOE BAY UNIT J-02B 1080 FNL AND 1245 FEL, SEC 9, T11N, R13E, UM	BP EXPLORATION (ALASKA) INC 3639 FNL AND 3728 FWL, SEC 10, T11N, R13E, UM	9/21/2004	10/30/2004	11/17/2004 12,028	1-OIL 9,019
204-185-0 50-029-23083-01-00	PRUDHOE BAY UN BORE V-106A 4870 FSL AND 1649 FEL, SEC 11, T11N, R11E, UM	BP EXPLORATION (ALASKA) INC 4700 FSL AND 4106 FWL, SEC 1, T11N, R11E, UM	9/27/2004	10/8/2004	10/30/2004 13,230	1-OIL 6,693
204-186-0 50-231-20028-00-00	HAPPY VALLEY A-10 1118 FSL AND 1296 FEL, SEC 22, T2S, R13W, SM	UNION OIL CO OF CALIFORNIA 3953 FSL AND 4925 FEL, SEC 22, T2S, R13W, SM	9/24/2004			
204-187-0 50-133-20545-00-00	BEAVER CK UNIT 15 91 FSL AND 1443 FEL, SEC 33, T7N, R10W, SM	MARATHON OIL CO 219 FSL AND 252 FEL, SEC 33, T7N, R10W, SM	9/27/2004			
204-188-0 50-029-22385-01-00	PRUDHOE BAY UNIT C-41A 1930 FNL AND 884 FEL, SEC 19, T11N, R14E, UM	BP EXPLORATION (ALASKA) INC 1921 FNL AND 3226 FWL, SEC 20, T11N, R14E, UM	9/27/2004	11/10/2004	11/26/2004 13,513	1-OIL 9,029
204-189-0 50-029-20576-01-00	PRUDHOE BAY UNIT E-20A 1743 FNL AND 883 FEL, SEC 6, T11N, R14E, UM	BP EXPLORATION (ALASKA) INC 4136 FNL AND 1452 FWL, SEC 5, T11N, R14E, UM	9/29/2004	10/8/2004	11/26/2004 10,050	1-OIL 9,109
204-190-0 50-029-23227-00-00	MILNE PT UNIT SB H-16 2969 FSL AND 4003 FEL, SEC 34, T13N, R10E, UM	BP EXPLORATION (ALASKA) INC 671 FSL AND 3956 FEL, SEC 33, T13N, R10E, UM	10/6/2004	10/14/2004	11/1/2004 9,967	1-OIL 4,006
204-191-0 50-029-23227-60-00	MILNE PT UNIT SB H-16L1 2969 FSL AND 4003 FEL, SEC 34, T13N, R10E, UM	BP EXPLORATION (ALASKA) INC 699 FSL AND 3903 FEL, SEC 33, T13N, R10E, UM	10/6/2004	10/26/2004	11/1/2004 9,915	1-OIL 3,964

PERMIT and WELL ACTIVITY

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Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-193-0	PRUDHOE BAY UNIT J-23A	BP EXPLORATION (ALASKA) INC	10/6/2004	10/23/2004	10/31/2004	1-OIL
50-029-21712-01-00	1182 FNL AND 802 FEL, SEC 9, T11N, R13E, UM	1984 FNL AND 1715 FEL, SEC 9, T11N, R13E, UM			11,406	9,044
204-194-0	PRUDHOE BAY UNIT F-11B	BP EXPLORATION (ALASKA) INC	10/6/2004	10/15/2004	10/23/2004	1-OIL
50-029-20424-02-00	2208 FNL AND 2869 FEL, SEC 2, T11N, R13E, UM	1934 FNL AND 1812 FEL, SEC 2, T11N, R13E, UM			10,969	9,062
204-195-0	KUPARUK RIV UNIT 1D-32L1	CONOCOPHILLIPS ALASKA INC	10/6/2004	10/21/2004	10/31/2004	1-OIL
50-029-22982-60-00	417 FNL AND 420 FEL, SEC 23, T11N, R10E, UM	3058 FNL AND 3656 FWL, SEC 30, T11N, R11E, UM			15,944	6,573
204-196-0	PRUDHOE BAY UN ORIN L-202	BP EXPLORATION (ALASKA) INC	10/6/2004			
50-029-23229-00-00	2572 FSL AND 3690 FEL, SEC 34, T12N, R11E, UM	4780 FSL AND 3915 FWL, SEC 35, T12N, R11E, UM				
204-197-0	PRUDHOE BAY UN ORIN L-202L1	BP EXPLORATION (ALASKA) INC	10/6/2004			
50-029-23229-60-00	2572 FSL AND 3690 FEL, SEC 34, T12N, R11E, UM	4864 FSL AND 3616 FWL, SEC 35, T12N, R11E, UM				
204-198-0	PRUDHOE BAY UN ORIN L-202L2	BP EXPLORATION (ALASKA) INC	10/6/2004			
50-029-23229-61-00	2572 FSL AND 3690 FEL, SEC 34, T12N, R11E, UM	4848 FSL AND 3666 FWL, SEC 35, T12N, R11E, UM				
204-199-0	PRUDHOE BAY UN ORIN L-202L3	BP EXPLORATION (ALASKA) INC	10/6/2004			
50-029-23229-62-00	2572 FSL AND 3690 FEL, SEC 34, T12N, R11E, UM	12 FSL AND 2072 FWL, SEC 26, T12N, R11E, UM				
204-200-0	KUPARUK RIV U WSAK 1E-168	CONOCOPHILLIPS ALASKA INC	10/11/2004	10/28/2004	11/26/2004	1-OIL
50-029-23230-00-00	207 FNL AND 640 FEL, SEC 21, T11N, R10E, UM	184 FSL AND 1156 FEL, SEC 10, T11N, R10E, UM			13,477	3,763
204-201-0	KUPARUK RIV U WSAK 1E-168L1	CONOCOPHILLIPS ALASKA INC	10/11/2004	11/12/2004	11/26/2004	1-OIL
50-029-23230-60-00	207 FNL AND 640 FEL, SEC 21, T11N, R10E, UM	1303 FNL AND 1208 FEL, SEC 15, T11N, R10E, UM			11,969	3,583
204-202-0	KUPARUK RIV U WSAK 1E-168L2	CONOCOPHILLIPS ALASKA INC	10/11/2004	11/18/2004	11/26/2004	1-OIL
50-029-23230-61-00	207 FNL AND 640 FEL, SEC 21, T11N, R10E, UM	1302 FNL AND 1243 FEL, SEC 15, T11N, R10E, UM			11,960	3,515
204-203-0	PRUDHOE BAY UNIT Z-13A	BP EXPLORATION (ALASKA) INC	10/11/2004			
50-029-22069-01-00	981 FNL AND 3132 FEL, SEC 19, T11N, R12E, UM	119 FSL AND 1776 FWL, SEC 8, T11N, R12E, UM			13,100	9,259
204-204-0	PRUDHOE BAY UNIT E-17A	BP EXPLORATION (ALASKA) INC	10/15/2004	10/24/2004	10/31/2004	1-OIL
50-029-20470-01-00	1753 FNL AND 501 FEL, SEC 6, T11N, R14E, UM	2609 FNL AND 4486 FWL, SEC 5, T11N, R14E, UM			12,673	9,012
204-205-0	COLVILLE RIV UNIT CD1-12	CONOCOPHILLIPS ALASKA INC	10/22/2004			
50-103-20501-00-00	300 FNL AND 2496 FWL, SEC 5, T11N, R5E, UM	374 FSL AND 49 FEL, SEC 9, T11N, R5E, UM				
204-206-0	COLVILLE RIV UNIT CD1-18	CONOCOPHILLIPS ALASKA INC	10/22/2004			
50-103-20502-00-00	343 FNL AND 2454 FWL, SEC 5, T11N, R5E, UM	1482 FNL AND 2446 FEL, SEC 16, T11N, R5E, UM				
204-207-0	HAPPY VALLEY A-11	UNION OIL CO OF CALIFORNIA	10/22/2004			
50-231-20029-00-00	1271 FSL AND 1263 FEL, SEC 22, T2S, R13W, SM	2769 FSL AND 2934 FEL, SEC 22, T2S, R13W, SM				

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Development

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-209-0 50-133-20546-00-00	KENAI BELUGA UNIT 42-6 45 FSL AND 4199 FWL, SEC 6, T4N, R11W, SM	MARATHON OIL CO 2772 FSL AND 4409 FWL, SEC 6, T4N, R11W, SM	10/25/2004			
204-211-0 50-029-22946-60-00	KUPARUK RIV UNIT 1D-11L1 586 FNL AND 601 FEL, SEC 23, T11N, R10E, UM	CONOCOPHILLIPS ALASKA INC 2560 FSL AND 703 FEL, SEC 19, T11N, R11E, UM	10/26/2004	11/3/2004	11/20/2004 13,224	1-OIL 6,657
204-212-0 50-029-22946-61-00	KUPARUK RIV UNIT 1D-11L2 586 FNL AND 601 FEL, SEC 23, T11N, R10E, UM	CONOCOPHILLIPS ALASKA INC 2758 FSL AND 94 FEL, SEC 19, T11N, R11E, UM	11/1/2004	11/11/2004	11/20/2004 13,750	1-OIL 6,628
204-213-0 50-029-22993-01-00	PRUDHOE BAY UN POL S-213A 4347 FSL AND 4501 FEL, SEC 35, T12N, R12E, UM	BP EXPLORATION (ALASKA) INC 2757 FSL AND 1269 FEL, SEC 3, T11N, R12E, UM	11/1/2004			
204-214-0 50-029-22993-60-00	PRUDHOE BAY UN POL S-213AL1-01 4347 FSL AND 4501 FEL, SEC 35, T12N, R12E, UM	BP EXPLORATION (ALASKA) INC 2757 FSL AND 1269 FEL, SEC 3, T11N, R12E, UM	11/1/2004			
204-215-0 50-029-22993-61-00	PRUDHOE BAY UN POL S-213AL1 4347 FSL AND 4501 FEL, SEC 35, T12N, R12E, UM	BP EXPLORATION (ALASKA) INC 2757 FSL AND 1269 FEL, SEC 3, T11N, R12E, UM	11/1/2004			
204-216-0 50-029-22993-62-00	PRUDHOE BAY UN POL S-213AL2 4347 FSL AND 4501 FEL, SEC 35, T12N, R12E, UM	BP EXPLORATION (ALASKA) INC 2757 FSL AND 1269 FEL, SEC 3, T11N, R12E, UM	11/1/2004			
204-217-0 50-029-22993-63-00	PRUDHOE BAY UN POL S-213AL3 4347 FSL AND 4501 FEL, SEC 35, T12N, R12E, UM	BP EXPLORATION (ALASKA) INC 2757 FSL AND 1269 FEL, SEC 3, T11N, R12E, UM	11/1/2004			
204-218-0 50-029-22204-01-00	PRUDHOE BAY UNIT 05-24A 2203 FSL AND 1194 FWL, SEC 32, T11N, R15E, UM	BP EXPLORATION (ALASKA) INC 1697 FSL AND 1774 FWL, SEC 33, T11N, R15E, UM	11/1/2004	11/12/2004	11/29/2004 12,308	1-OIL 8,933
204-222-0 50-029-20682-01-00	PRUDHOE BAY UNIT 15-14A 2349 FNL AND 1522 FWL, SEC 22, T11N, R14E, UM	BP EXPLORATION (ALASKA) INC 4094 FNL AND 768 FEL, SEC 21, T11N, R14E, UM	11/1/2004			
204-223-0 50-029-21889-01-00	PRUDHOE BAY UN LIS L5-17A 1823 FSL AND 155 FEL, SEC 2, T11N, R15E, UM	BP EXPLORATION (ALASKA) INC 1640 FSL AND 610 FEL, SEC 3, T11N, R15E, UM	11/4/2004			
204-224-0 50-029-22995-01-00	PRUDHOE BAY UNIT Z-39A 4300 FSL AND 3237 FEL, SEC 19, T11N, R12E, UM	BP EXPLORATION (ALASKA) INC 1872 FSL AND 599 FWL, SEC 20, T11N, R12E, UM	11/4/2004			
204-225-0 50-029-20674-01-00	PRUDHOE BAY UNIT 11-06A 370 FNL AND 57 FEL, SEC 33, T11N, R15E, UM	BP EXPLORATION (ALASKA) INC 1668 FSL AND 3003 FEL, SEC 28, T11N, R15E, UM	11/4/2004			
204-230-0 50-029-21990-01-00	PRUDHOE BAY UNIT Z-04A 975 FNL AND 3561 FEL, SEC 19, T11N, R12E, UM	BP EXPLORATION (ALASKA) INC 391 FNL AND 3707 FEL, SEC 24, T11N, R11E, UM	11/12/2004			
204-233-0 50-133-20547-00-00	NINILCHIK UNIT, S DIONNE 4 104 FSL AND 1331 FEL, SEC 6, T1S, R13W, SM	MARATHON OIL CO 410 FNL AND 3095 FEL, SEC 12, T1S, R14W, SM	11/16/2004			

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Development

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-234-0	PRUDHOE BAY UNIT 05-20B	BP EXPLORATION (ALASKA) INC	11/16/2004			
50-029-22137-02-00	2911 FNL AND 5033 FEL, SEC 32, T11N, R15E, UM	945 FNL AND 3358 FEL, SEC 5, T10N, R15E, UM				
204-236-0	MGS C41-23LN	XTO ENERGY INC	12/1/2004			
50-733-20163-01-00	504 FSL AND 1532 FEL, SEC 23, T8N, R13W, SM	155 FNL AND 2832 FEL, SEC 14, T8N, R13W, SM				
204-237-0	KUPARUK RIV UNIT 1D-28	CONOCOPHILLIPS ALASKA INC	12/1/2004			
50-029-23237-00-00	357 FNL AND 419 FEL, SEC 23, T11N, R10E, UM	4876 FNL AND 1684 FEL, SEC 18, T11N, R11E, UM				
204-238-0	KUPARUK RIV UNIT 1D-28L1	CONOCOPHILLIPS ALASKA INC	12/1/2004			
50-029-23237-60-00	357 FNL AND 419 FEL, SEC 23, T11N, R10E, UM	5062 FNL AND 4022 FEL, SEC 17, T11N, R11E, UM				
204-239-0	COLVILLE RIV UNIT CD1-12L1	CONOCOPHILLIPS ALASKA INC	12/1/2004			
50-103-20501-60-00	300 FNL AND 2496 FWL, SEC 5, T11N, R5E, UM	2442 FNL AND 1290 FEL, SEC 9, T11N, R5E, UM				
204-241-0	PRUDHOE BAY UN NIA NK-38A	BP EXPLORATION (ALASKA) INC	12/1/2004			
50-029-22540-01-00	1410 FSL AND 853 FEL, SEC 36, T12N, R15E, UM	4777 FSL AND 603 FEL, SEC 25, T12N, R15E, UM				
204-242-0	PRUDHOE BAY UNIT K-07D	BP EXPLORATION (ALASKA) INC	12/7/2004			
50-029-21045-04-00	2041 FNL AND 473 FWL, SEC 4, T11N, R14E, UM	590 FSL AND 3742 FWL, SEC 33, T12N, R14E, UM				
204-244-0	PRUDHOE BAY UNIT X-16A	BP EXPLORATION (ALASKA) INC	12/7/2004			
50-029-20684-01-00	423 FSL AND 461 FWL, SEC 5, T10N, R14E, UM	2557 FSL AND 4478 FWL, SEC 5, T10N, R14E, UM				
204-245-0	COLVILLE RIV UNIT CD2-21	CONOCOPHILLIPS ALASKA INC	12/13/2004			
50-103-20504-00-00	1775 FNL AND 1538 FEL, SEC 2, T11N, R4E, UM	793 FNL AND 2067 FWL, SEC 28, T12N, R4E, UM				
204-246-0	KUPARUK RIV UNIT 1E-121	CONOCOPHILLIPS ALASKA INC	12/16/2004			
50-029-23238-00-00	4307 FNL AND 630 FEL, SEC 16, T11N, R10E, UM	710 FNL AND 1591 FEL, SEC 10, T11N, R10E, UM				
204-247-0	KUPARUK RIV UNIT 1E-121L1	CONOCOPHILLIPS ALASKA INC	12/16/2004			
50-029-23238-60-00	4307 FNL AND 630 FEL, SEC 16, T11N, R10E, UM	710 FNL AND 1591 FEL, SEC 10, T11N, R10E, UM				
204-255-0	NINILCHIK UNIT, G OSKOLKOFF 3	MARATHON OIL CO	12/30/2004			
50-133-20548-00-00	3221 FSL AND 2914 FEL, SEC 23, T1N, R13W, SM	814 FSL AND 1942 FEL, SEC 21, T1N, R13W, SM				

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Service

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
202-003-0	PRUDHOE BAY UNIT Z-33BXX	BP EXPLORATION (ALASKA) INC	1/11/2002			EXPIR
50-029-21895-02-00	713 FNL AND 1218 FWL, SEC 19, T11N, R12E, UM	3535 FNL AND 1121 FEL, SEC 24, T11n, R11E, UM				
202-091-0	KUPARUK RIV U MELT 2P-432	CONOCOPHILLIPS ALASKA INC	4/19/2002	10/31/2003	3/4/2004	WAGIN
50-103-20420-00-00	948 FNL AND 1894 FWL, SEC 17, T8N, R7E, UM	2596 FSL AND 1446 FWL, SEC 17, T8N, R7E, UM			6,043	5,710
202-093-0	KUPARUK RIV U WSAK 1C-129	CONOCOPHILLIPS ALASKA INC	4/29/2002			EXPIR
50-029-23085-00-00	1656 FNL AND 947 FWL, SEC 12, T11N, R10E, UM	1502 FSL AND 1878 FEL, SEC 13, T11N, R10E, UM				
202-107-0	NICOLAI CK UNIT 5	AURORA GAS LLC	7/9/2002			EXPIR
50-283-20036-90-00	2183 FNL AND 1622 FEL, SEC 19, T11N, R12W, SM	2183 FNL AND 1622 FEL, SEC 19, T11N, R12W, SM				
203-139-0	PRUDHOE BAY UNIT PSI-05	BP EXPLORATION (ALASKA) INC	8/18/2003	9/12/2004	8/16/2004	1WINJ
50-029-23174-00-00	3838 FSL AND 4465 FEL, SEC 15, T11N, R15E, UM	2591 FSL AND 3348 FEL, SEC 9, T11N, R15E, UM			10,982	8,680
203-148-0	PRUDHOE BAY UNIT PSI-07	BP EXPLORATION (ALASKA) INC	8/29/2003	10/1/2003	8/16/2004	1WINJ
50-029-23177-00-00	3857 FSL AND 4408 FEL, SEC 15, T11N, R15E, UM	3823 FSL AND 2555 FEL, SEC 9, T11N, R15E, UM			11,383	8,652
203-154-0	KUPARUK RIV U MELT 2P-447	CONOCOPHILLIPS ALASKA INC	9/8/2003	12/6/2003	2/6/2004	WAGIN
50-103-20468-00-00	1017 FNL AND 1603 FWL, SEC 17, T8N, R7E, UM	396 FNL AND 930 FEL, SEC 19, T8N, R7E, UM			8,015	5,549
203-158-0	NORTHSTAR UNIT NS-32	BP EXPLORATION (ALASKA) INC	9/11/2003		5/2/2004	WDSP1
50-029-23179-00-00	1359 FSL AND 649 FEL, SEC 11, T13N, R13E, UM	5220 FSL AND 3478 FEL, SEC 12, T13N, R13E, UM			8,321	6,684
203-165-0	PRUDHOE BAY UN UGN W-400	BP EXPLORATION (ALASKA) INC	9/30/2003	10/21/2004	5/20/2004	WTRSP
50-029-23180-00-00	3819 FSL AND 1454 FEL, SEC 21, T11N, R12E, UM	1682 FSL AND 345 FEL, SEC 21, T11N, R12E, UM			5,285	4,391
203-166-0	NORTHSTAR UNIT NS-25	BP EXPLORATION (ALASKA) INC	10/2/2003	12/15/2004	3/16/2004	1GINJ
50-029-23181-00-00	1289 FSL AND 647 FEL, SEC 11, T13N, R13E, UM	3446 FSL AND 127 FEL, SEC 19, T13N, R14E, UM			19,253	11,331
203-181-0	PRUDHOE BAY UN AURO S-116	BP EXPLORATION (ALASKA) INC	10/23/2003	12/7/2003	4/29/2004	WAGIN
50-029-23183-00-00	4271 FSL AND 4502 FEL, SEC 35, T12N, R12E, UM	1247 FSL AND 1468 FEL, SEC 34, T12N, R12E, UM			8,291	7,075
203-193-0	MILNE PT UNIT KR F-88	BP EXPLORATION (ALASKA) INC	12/2/2003	12/20/2003	2/15/2004	1WINJ
50-029-23185-00-00	2138 FSL AND 2906 FEL, SEC 6, T13N, R10E, UM	695 FSL AND 3638 FEL, SEC 30, T14N, R10E, UM			12,310	7,332
203-198-0	PRUDHOE BAY UN AURO S-120	BP EXPLORATION (ALASKA) INC	12/2/2003	12/22/2003	4/30/2004	1WINJ
50-029-23186-00-00	4360 FSL AND 4500 FEL, SEC 35, T12N, R12E, UM	108 FSL AND 3225 FEL, SEC 27, T12N, R12E, UM			8,440	6,963
203-199-0	PRUDHOE BAY UN ORIN L-210	BP EXPLORATION (ALASKA) INC	12/22/2003	1/1/2004	1/17/2004	1WINJ
50-029-23187-00-00	2605 FSL AND 3559 FEL, SEC 34, T12N, R11E, UM	3569 FSL AND 4018 FWL, SEC 35, T12N, R11E, UM			9,668	4,994
203-204-0	KUPARUK RIV U MELT 2P-443XX	CONOCOPHILLIPS ALASKA INC	12/10/2003			CANC
50-103-20476-00-00	998 FNL AND 1680 FWL, SEC 17, T8N, R7E, UM	1950 FSL AND 7 FEL, SEC 19, T8N, R7E, UM				

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Service

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
203-225-0	COLVILLE RIV UNIT CD1-07	CONOCOPHILLIPS ALASKA INC	12/29/2003	1/22/2004	2/15/2004	WAGIN
50-103-20478-00-00	265 FNL AND 2530 FWL, SEC 5, T11N, R5E, UM	2625 FNL AND 1397 FEL, SEC 10, T11N, R5E, UM			17,590	6,884
204-013-0	MILNE PT UNIT SB G-17	BP EXPLORATION (ALASKA) INC	1/26/2004	2/4/2004	2/14/2004	1WINJ
50-029-23192-00-00	1896 FSL AND 3431 FEL, SEC 27, T13N, R10E, UM	2881 FSL AND 2393 FEL, SEC 28, T13N, R10E, UM			6,578	4,327
204-017-0	KUPARUK RIV U MELT 2P-419	CONOCOPHILLIPS ALASKA INC	1/16/2004	1/21/2004	3/6/2004	WAGIN
50-103-20483-00-00	888 FNL AND 2148 FWL, SEC 17, T8N, R7E, UM	1962 FSL AND 287 FEL, SEC 19, T8N, R7E, UM			10,945	5,671
204-024-0	COLVILLE RIV UNIT CD1-46	CONOCOPHILLIPS ALASKA INC	2/6/2004	2/16/2004	4/27/2004	1WINJ
50-103-20485-00-00	545 FNL AND 2258 FWL, SEC 5, T11N, R5E, UM	1338 FNL AND 1032 FWL, SEC 16, T11N, R5E, UM			15,187	7,090
204-028-0	MILNE PT UNIT KR C-42	BP EXPLORATION (ALASKA) INC	2/12/2004	3/2/2004	6/16/2004	1WINJ
50-029-23196-00-00	1231 FSL AND 2255 FEL, SEC 10, T13N, R10E, UM	5247 FSL AND 2760 FEL, SEC 10, T13N, R10E, UM			8,985	7,496
204-029-0	PRUDHOE BAY UN ORIN L-211	BP EXPLORATION (ALASKA) INC	2/11/2004	2/24/2004	3/16/2004	WAGIN
50-029-23197-00-00	2540 FSL AND 3816 FEL, SEC 34, T12N, R11E, UM	3413 FSL AND 2157 FEL, SEC 28, T12N, R11E, UM			9,130	4,494
204-031-0	KUPARUK RIV U WSAK 1E-119	CONOCOPHILLIPS ALASKA INC	2/12/2004	4/1/2004	4/13/2004	1WINJ
50-029-23198-00-00	29 FNL AND 228 FEL, SEC 21, T11N, R10E, UM	294 FNL AND 410 FWL, SEC 27, T11N, R10E, UM			7,090	3,660
204-043-0	PRUDHOE BAY UNIT 03-07A	BP EXPLORATION (ALASKA) INC	3/4/2004	3/22/2004	4/26/2004	WAGIN
50-029-20220-01-00	1316 FSL AND 812 FWL, SEC 11, T10N, R15E, UM	1500 FNL AND 5263 FEL, SEC 15, T10N, R15E, UM			13,841	9,052
204-045-0	MILNE PT UNIT SB E-25A	BP EXPLORATION (ALASKA) INC	3/8/2004	4/12/2004	4/20/2004	1WINJ
50-029-22980-01-00	3708 FSL AND 2011 FEL, SEC 25, T13N, R10E, UM	4074 FSL AND 266 FEL, SEC 35, T13N, R10E, UM			8,325	4,462
204-056-0	PRUDHOE BAY UN BORE V-118	BP EXPLORATION (ALASKA) INC	4/13/2004			
50-029-23204-00-00	4897 FSL AND 1547 FEL, SEC 11, T11N, R11E, UM	2355 FSL AND 1100 FWL, SEC 7, T11N, R12E, UM				
204-062-0	KUPARUK RIV U TARN 2N-306	CONOCOPHILLIPS ALASKA INC	4/22/2004	6/20/2004	6/26/2004	WAGIN
50-103-20490-00-00	9 FNL AND 544 FEL, SEC 3, T9N, R7E, UM	2531 FNL AND 2078 FEL, SEC 35, T10N, R7E, UM			7,605	5,609
204-065-0	PRUDHOE BAY UN ORIN L-216	BP EXPLORATION (ALASKA) INC	4/22/2004	5/2/2004	5/17/2004	WAGIN
50-029-23206-00-00	2586 FSL AND 3632 FEL, SEC 34, T12N, R11E, UM	2906 FSL AND 484 FEL, SEC 27, T12N, R11E, UM			8,490	4,867
204-071-0	PRUDHOE BAY UNIT S-14A	BP EXPLORATION (ALASKA) INC	5/6/2004	9/10/2004	9/19/2004	WAGIN
50-029-20804-01-00	1651 FNL AND 2185 FWL, SEC 35, T12N, R12E, UM	1503 FNL AND 3524 FWL, SEC 36, T12N, R12E, UM			12,658	8,835
204-072-0	COLVILLE RIV UNIT CD2-57	CONOCOPHILLIPS ALASKA INC	5/4/2004	5/16/2004	6/4/2004	WAGIN
50-103-20492-00-00	2132 FNL AND 1494 FEL, SEC 2, T11N, R4E, UM	1328 FSL AND 993 FEL, SEC 13, T11N, R4E, UM			16,433	7,296
204-081-0	SWANSON RIVER KGSF 7	UNION OIL CO OF CALIFORNIA	5/20/2004		10/24/2004	GSTOR
50-133-20538-00-00	1999 FSL AND 425 FEL, SEC 28, T8N, R9W, SM	2000 FSL AND 389 FEL, SEC 28, T8N, R9W, SM			6,530	6,530

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Service

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-116-0 50-029-23213-00-00	PRUDHOE BAY UN ORIN V-213 4719 FSL AND 1517 FEL, SEC 11, T11N, R11E, UM	BP EXPLORATION (ALASKA) INC 3055 FSL AND 1528 FWL, SEC 1, T11N, R11E, UM	6/30/2004	7/28/2004	7/28/2004 7,225	WAGIN 4,985
204-127-0 50-029-21814-02-00	PRUDHOE BAY UNIT Z-02B 976 FNL AND 1462 FWL, SEC 19, T11N, R12E, UM	BP EXPLORATION (ALASKA) INC 2339 FNL AND 1408 FWL, SEC 19, T11N, R12E, UM	7/13/2004			
204-130-0 50-029-23216-00-00	PRUDHOE BAY UN ORIN V-216 4882 FSL AND 1605 FEL, SEC 11, T11N, R11E, UM	BP EXPLORATION (ALASKA) INC 3860 FSL AND 631 FEL, SEC 2, T11N, R11E, UM	7/20/2004	9/2/2004	9/11/2004 6,801	1WINJ 4,908
204-137-0 50-029-23219-00-00	PRUDHOE BAY UN AURO S-123 3642 FSL AND 3938 FEL, SEC 35, T12N, R12E, UM	BP EXPLORATION (ALASKA) INC 2975 FSL AND 1806 FEL, SEC 35, T12N, R12E, UM	7/30/2004			
204-141-0 50-103-20497-00-00	COLVILLE RIV UNIT CD2-11 1676 FNL AND 1550 FEL, SEC 2, T11N, R4E, UM	CONOCOPHILLIPS ALASKA INC 297 FNL AND 1756 FEL, SEC 28, T12N, R4E, UM	8/5/2004			CANC
204-150-0 50-103-20498-00-00	COLVILLE RIV UNIT CD2-56 2123 FNL AND 1496 FEL, SEC 2, T11N, R4E, UM	CONOCOPHILLIPS ALASKA INC 1860 FNL AND 2054 FWL, SEC 15, T11N, R4E, UM	8/16/2004	9/12/2004	10/3/2004 18,027	WAGIN 7,359
204-151-0 50-103-20498-60-00	COLVILLE RIV UNIT CD2-56L1 2123 FNL AND 1496 FEL, SEC 2, T11N, R4E, UM	CONOCOPHILLIPS ALASKA INC 2054 FSL AND 2551 FEL, SEC 15, T11N, R4E, UM	8/16/2004	9/27/2004	10/3/2004 19,554	1WINJ 7,459
204-158-0 50-029-23221-00-00	MILNE PT UNIT SB I-16 2324 FSL AND 3611 FEL, SEC 33, T13N, R10E, UM	BP EXPLORATION (ALASKA) INC 1059 FSL AND 26 FEL, SEC 32, T13N, R10E, UM	9/1/2004	9/14/2004	9/23/2004 4,805	1WINJ 4,170
204-163-0 50-133-20538-01-00	SWANSON RIVER KGSF 7A 1999 FSL AND 425 FEL, SEC 28, T8N, R9W, SM	UNION OIL CO OF CALIFORNIA 1999 FSL AND 425 FEL, SEC 28, T8N, R9W, SM	8/26/2004			
204-166-0 50-029-20863-01-00	PRUDHOE BAY UNIT 12-20A 691 FSL AND 942 FEL, SEC 18, T10N, R15E, UM	BP EXPLORATION (ALASKA) INC 4699 FSL AND 2743 FEL, SEC 18, T10N, R15E, UM	9/3/2004	9/27/2004	11/5/2004 10,635	WAGIN 9,005
204-178-0 50-103-20499-00-00	COLVILLE RIV UNIT CD2-54 2103 FNL AND 1498 FEL, SEC 2, T11N, R4E, UM	CONOCOPHILLIPS ALASKA INC 1289 FSL AND 2460 FEL, SEC 4, T11N, R4E, UM	9/16/2004	10/4/2004	10/22/2004 16,617	WAGIN 7,350
204-179-0 50-029-23225-00-00	PRUDHOE BAY UN BORE V-120 4896 FSL AND 1547 FEL, SEC 11, T11N, R11E, UM	BP EXPLORATION (ALASKA) INC 1121 FSL AND 2581 FWL, SEC 36, T12N, R11E, UM	9/16/2004			
204-180-0 50-103-20500-00-00	COLVILLE RIV UNIT CD1-11 293 FNL AND 2777 FEL, SEC 5, T11N, R5E, UM	CONOCOPHILLIPS ALASKA INC 1275 FSL AND 1203 FWL, SEC 10, T11N, R5E, UM	10/6/2004			
204-181-0 50-029-23226-00-00	PRUDHOE BAY UN ORIN Z-210 4565 FSL AND 3578 FEL, SEC 19, T11N, R12E, UM	BP EXPLORATION (ALASKA) INC 4611 FSL AND 453 FWL, SEC 20, T11N, R12E, UM	9/21/2004	10/10/2004	10/31/2004 5,958	WAGIN 5,118
204-192-0 50-029-23228-00-00	MILNE PT UNIT SB G-19 1576 FSL AND 3338 FEL, SEC 27, T13N, R10E, UM	BP EXPLORATION (ALASKA) INC 3441 FSL AND 2779 FEL, SEC 26, T13N, R10E, UM	10/6/2004			

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Service

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-208-0	COLVILLE RIV UNIT CD2-54L1	CONOCOPHILLIPS ALASKA INC	10/22/2004	10/17/2004	10/22/2004	1WINJ
50-103-20499-60-00	2103 FNL AND 1498 FEL, SEC 2, T11N, R4E, UM	2544 FNL AND 2074 FWL, SEC 4, T11N, R4E, UM			18,250	7,322
204-210-0	PRUDHOE BAY UN ORIN V-210	BP EXPLORATION (ALASKA) INC	10/25/2004	10/31/2004	11/11/2004	WAGIN
50-029-23231-00-00	4823 FSL AND 1833 FEL, SEC 11, T11N, R11E, UM	405 FSL AND 2828 FEL, SEC 35, T12N, R11E, UM			8,280	4,794
204-219-0	MILNE PT UNIT SB G-03A	BP EXPLORATION (ALASKA) INC	11/1/2004	11/14/2004	12/5/2004	1WINJ
50-029-21942-01-00	1754 FSL AND 3361 FEL, SEC 27, T13N, R10E, UM	3736 FSL AND 4999 FEL, SEC 26, T13N, R10E, UM			6,536	4,525
204-220-0	PRUDHOE BAY UN ORIN V-211	BP EXPLORATION (ALASKA) INC	11/1/2004	11/12/2004	11/20/2004	WAGIN
50-029-23232-00-00	4809 FSL AND 1891 FEL, SEC 11, T11N, R11E, UM	2612 FSL AND 4414 FEL, SEC 2, T11N, R11E, UM			6,440	4,788
204-221-0	MILNE PT UNIT SB B-27	BP EXPLORATION (ALASKA) INC	11/1/2004			
50-029-23233-00-00	5249 FSL AND 4295 FEL, SEC 19, T13N, R11E, UM	978 FSL AND 1773 FEL, SEC 19, T13N, R11E, UM				
204-227-0	KUPARUK RIV U WSAK 1E-104	CONOCOPHILLIPS ALASKA INC	11/16/2004			
50-029-23234-00-00	431 FSL AND 224 FEL, SEC 16, T11N, R10E, UM	1322 FNL AND 2137 FEL, SEC 15, T11N, R10E, UM				
204-228-0	KUPARUK RIV U WSAK 1H-05A	CONOCOPHILLIPS ALASKA INC	11/10/2004			
50-029-20727-01-00	528 FNL AND 803 FEL, SEC 33, T12N, R10E, UM	1838 FNL AND 579 FEL, SEC 27, T12N, R10E, UM				
204-229-0	PRUDHOE BAY UN BORE Z-103	BP EXPLORATION (ALASKA) INC	11/18/2004			
50-029-23235-00-00	4563 FSL AND 3465 FEL, SEC 19, T11N, R12E, UM	3387 FSL AND 2261 FEL, SEC 19, T11N, R12E, UM				
204-231-0	KUPARUK RIV U WSAK 1E-102	CONOCOPHILLIPS ALASKA INC	11/18/2004			
50-029-23236-00-00	4789 FNL AND 223 FEL, SEC 16, T11N, R10E, UM	3204 FNL AND 2359 FEL, SEC 3, T11N, R10E, UM				
204-232-0	KUPARUK RIV U WSAK 1E-102L1	CONOCOPHILLIPS ALASKA INC	12/1/2004			
50-029-23236-60-00	4789 FNL AND 223 FEL, SEC 16, T11N, R10E, UM	3207 FNL AND 2358 FEL, SEC 3, T11N, R10E, UM				
204-235-0	PRUDHOE BAY UNIT Y-03A	BP EXPLORATION (ALASKA) INC	11/18/2004			
50-029-20411-01-00	1250 FNL AND 4732 FEL, SEC 34, T11N, R13E, UM	1969 FSL AND 5210 FEL, SEC 27, T11N, R13E, UM				
204-240-0	COLVILLE RIV UNIT CD1-20	CONOCOPHILLIPS ALASKA INC	12/1/2004			
50-103-20503-00-00	358 FNL AND 2440 FWL, SEC 5, T11N, R5E, UM	603 FNL AND 1250 FEL, SEC 16, T11N, R5E, UM				
204-243-0	PRUDHOE BAY UNIT 13-24A	BP EXPLORATION (ALASKA) INC	12/7/2004			
50-029-20739-01-00	2342 FSL AND 1584 FEL, SEC 14, T10N, R14E, UM	347 FSL AND 4924 FEL, SEC 11, T10N, R14E, UM				
204-248-0	COLVILLE RIV UNIT CD2-59	CONOCOPHILLIPS ALASKA INC	12/22/2004			
50-103-20505-00-00	2152 FNL AND 1492 FEL, SEC 2, T11N, R4E, UM	2546 FNL AND 790 FEL, SEC 32, T12N, R4E, UM				
204-250-0	PRUDHOE BAY UNIT Y-10A	BP EXPLORATION (ALASKA) INC	12/28/2004			
50-029-20587-01-00	1410 FNL AND 205 FEL, SEC 33, T11N, R13E, UM	159 FSL AND 1531 FEL, SEC 33, T11N, R13E, UM			10,275	9,638

PERMIT and WELL ACTIVITY

From 1/1/2004 To 12/31/2004

Service

Permit API	Well Name Surface Location	Operator Bottom Hole Location	Approved	Spud	Completed MD	Status TVD
204-251-0	PRUDHOE BAY UNIT Y-06A	BP EXPLORATION (ALASKA) INC	12/28/2004			
50-029-20431-01-00	1318 FNL AND 5055 FEL, SEC 34, T11N, R13E, UM	2518 FSL AND 2137 FEL, SEC 28, T11N, R13E, UM			11,643	9,621
204-252-0	MILNE PT UNIT SB B-50	BP EXPLORATION (ALASKA) INC	12/29/2004			
50-029-23240-00-00	5144 FSL AND 4062 FEL, SEC 19, T13N, R11E, UM	3618 FSL AND 624 FEL, SEC 7, T13N, R11E, UM				

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Release Date	Date Completed	API Number	Permit	Operator	Well Name	Samples/ Core	
1/2/2004	12/2/2001	50-029-23017-00	201-086-0	BP EXPLORATION (ALASKA) INC	NORTHSTAR UNIT	NS-13	
1/3/2004	12/3/2001	50-103-20392-00	201-183-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	2T-39	
1/5/2004	12/5/2001	50-029-21875-01	201-135-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	14-40A	
1/7/2004	12/7/2001	50-029-22565-02	201-197-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	U-15B	
1/8/2004	12/8/2001	50-029-23038-00	201-163-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	I-12	
1/8/2004	12/8/2001	50-029-23038-60	201-164-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	I-12L1	
1/9/2004	12/9/2001	50-283-20061-01	201-168-0	UNION OIL CO OF CALIFORNIA	LEWIS RIVER UNIT	C-01RD	Yes
1/10/2004	12/10/2001	50-103-20384-00	201-142-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U TARN	2N-348	
1/13/2004	12/13/2001	50-103-20375-00	201-069-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U MELT	2P-417	Yes
1/15/2004	12/15/2001	50-103-20394-00	201-205-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-47	
1/16/2004	12/16/2001	50-103-20385-00	201-154-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	2K-28	
1/18/2004	12/18/2001	50-029-20244-02	201-180-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	05-12B	
1/18/2004	12/18/2001	50-029-23042-00	201-186-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN MDS	E-102	
1/19/2004	12/19/2001	50-029-23053-00	201-220-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U WSAK	1C-135	
1/20/2004	12/20/2001	50-733-20505-00	201-176-0	UNION OIL CO OF CALIFORNIA	TRADING BAY UNIT	M-12	Yes
1/21/2004	12/21/2001	50-029-22480-01	201-162-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	15-36A	
1/22/2004	12/22/2001	50-133-20358-01	201-144-0	MARATHON OIL CO	KENAI UNIT	24-05RD	Yes
1/22/2004	12/22/2001	50-103-20391-00	201-182-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U MELT	2P-420	
1/23/2004	12/23/2001	50-029-22793-01	201-214-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	W-02A	
1/24/2004	12/24/2001	50-103-20383-01	201-226-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U MELT	2P-415A	
2/1/2004	1/1/2002	50-103-20393-00	201-191-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-34	
2/2/2004	1/2/2002	50-029-20403-01	201-198-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	F-09A	
2/7/2004	1/7/2002	50-029-21418-02	201-206-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	K-05B	
2/8/2004	1/8/2002	50-103-20396-00	201-229-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U MELT	2P-448	
2/9/2004	1/9/2002	50-029-22402-01	201-228-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN NIA	NK-22A	
2/10/2004	1/10/2002	50-029-21791-01	201-218-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	04-19A	
2/13/2004	1/13/2002	50-029-23052-00	201-219-0	BP EXPLORATION (ALASKA) INC	NORTHSTAR UNIT	NS-09	
2/16/2004	1/16/2002	50-029-23056-00	201-225-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	3N-19	
2/20/2004	1/20/2002	50-029-20969-02	201-224-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	J-17B	
2/20/2004	1/20/2002	50-103-20397-00	201-232-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-26	
2/23/2004	1/23/2002	50-029-21984-01	201-221-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	05-26A	
2/25/2004	1/25/2002	50-029-23051-00	201-211-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT KR	F-90	
2/26/2004	1/26/2002	50-029-22507-01	201-070-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN NIA	NK-19A	
2/26/2004	1/26/2002	50-029-23063-00	201-248-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	1C-24	
2/27/2004	1/27/2002	50-133-20507-00	201-215-0	UNION OIL CO OF CALIFORNIA	DEEP CREEK NNA	1	Yes
2/27/2004	1/27/2002	50-103-20396-01	202-005-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	2P-448A	
2/28/2004	1/28/2002	50-029-21014-02	201-216-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	K-02C	

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Release Date	Date Completed	API Number	Permit	Operator	Well Name	Samples/ Core	
3/1/2004	1/30/2002	50-029-20798-01	201-235-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	13-32A	
3/3/2004	2/1/2002	50-733-20105-01	201-189-0	UNION OIL CO OF CALIFORNIA	TRADING BAY ST	A-15RD	Yes
3/3/2004	2/1/2002	50-103-20399-00	201-244-0	CONOCOPHILLIPS ALASKA INC	CIRQUE	3	Yes
3/6/2004	2/4/2002	50-103-20401-00	201-249-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-49	
3/10/2004	2/8/2002	50-029-21148-02	201-145-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	S-17B	
3/14/2004	2/12/2002	50-029-23049-00	201-208-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN MDS	E-104	
3/15/2004	2/13/2002	50-029-20181-01	201-217-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	E-03A	
3/15/2004	2/13/2002	50-029-20433-02	201-243-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	02-13B	
3/15/2004	2/13/2002	50-103-20404-00	202-012-0	CONOCOPHILLIPS ALASKA INC	CIRQUE	4	
3/16/2004	2/14/2002	50-029-20108-01	201-242-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	A-01A	
3/18/2004	2/16/2002	50-029-23058-00	201-230-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	1M-17	Yes
3/18/2004	2/16/2002	50-029-20144-01	201-241-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	05-02A	
3/19/2004	2/17/2002	50-029-23026-00	201-118-0	BP EXPLORATION (ALASKA) INC	NORTHSTAR UNIT	NS-14	
3/19/2004	2/19/2002	50-733-20420-60	201-213-0	XTO ENERGY INC	MGS	C13A-23LN	
3/21/2004	2/19/2002	50-103-20406-00	202-015-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-17	
3/22/2004	2/20/2002	50-029-23035-00	201-140-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	L-115	
3/22/2004	2/20/2002	50-029-23055-00	201-223-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	L-106	
3/22/2004	2/22/2002	50-029-22789-01	202-002-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN NIA	NK-11A	
3/27/2004	2/25/2002	50-029-22259-01	202-016-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	15-29A	
3/29/2004	2/27/2002	50-029-23060-00	201-238-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	L-104	
4/1/2004	3/2/2002	50-029-21148-03	202-007-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	S-17C	
4/4/2004	3/5/2002	50-103-20411-00	202-029-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-32	
4/5/2004	3/5/2002	50-133-20498-00	200-179-0	MARATHON OIL CO	KENAI BELUGA UNIT	44-06	Yes
4/5/2004	3/6/2002	50-029-22209-02	202-023-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	02-32B	
4/5/2004	3/6/2002	50-029-23069-00	202-030-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	L-111	
4/5/2004	3/6/2002	50-029-22097-60	202-039-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	P-18L1	
4/6/2004	3/6/2002	50-103-20400-00	201-246-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U MELT	2P-422	
4/8/2004	3/8/2002	50-029-22190-01	202-001-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	05-32A	
4/10/2004	3/11/2002	50-133-10091-01	201-231-0	MARATHON OIL CO	KENAI UNIT	43-06RD	Yes
4/11/2004	3/12/2002	50-103-20398-00	201-239-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	2L-03	
4/12/2004	3/13/2002	50-029-20818-02	202-035-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	18-10B	
4/16/2004	3/17/2002	50-029-23064-00	202-006-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	L-120	
4/19/2004	3/19/2002	50-133-20509-00	202-011-0	UNION OIL CO OF CALIFORNIA	PEARL	1	
4/21/2004	3/22/2002	50-029-23068-00	202-021-0	BP EXPLORATION (ALASKA) INC	NORTHSTAR UNIT	NS-08	
4/21/2004	3/22/2002	50-029-20867-01	202-045-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	C-28A	

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Release Date	Date Completed	API Number	Permit	Operator	Well Name	Samples/ Core
4/23/2004	3/24/2002	50-103-20402-00	202-008-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U MELT	2P-451
4/25/2004	3/26/2002	50-029-23054-00	201-222-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN ORIN	V-201
4/25/2004	3/26/2002	50-029-20455-02	202-031-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	X-09B
4/26/2004	3/26/2002	50-103-20405-00	202-013-0	CONOCOPHILLIPS ALASKA INC	HUNTER	A
4/29/2004	3/30/2002	50-103-20407-00	202-017-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U MELT	2P-441
4/29/2004	3/30/2002	50-733-20105-02	202-019-0	UNION OIL CO OF CALIFORNIA	TRADING BAY ST TBU	A-15RD2
4/29/2004	3/30/2002	50-733-20105-60	202-048-0	UNION OIL CO OF CALIFORNIA	TRADING BAY ST TBU	A-15RD2L1
4/29/2004	3/30/2002	50-733-20105-61	202-063-0	UNION OIL CO OF CALIFORNIA	TRADING BAY ST TBU	A-15RD2L2
4/29/2004	3/30/2002	50-029-20967-01	202-068-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	J-16A
4/30/2004	3/31/2002	50-029-22597-01	202-024-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	H-07A
4/30/2004	3/31/2002	50-029-22597-60	202-028-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	H-07AL1
4/30/2004	3/31/2002	50-029-22403-01	202-046-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	Y-37A
5/4/2004	4/4/2002	50-103-20359-00	201-003-0	CONOCOPHILLIPS ALASKA INC	LOOKOUT	1
5/5/2004	4/5/2002	50-029-22995-00	200-208-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	Z-39
5/5/2004	4/5/2002	50-103-20414-00	202-042-0	CONOCOPHILLIPS ALASKA INC	NANUQ	5
5/6/2004	4/6/2002	50-029-22435-60	202-073-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	X-31L1
5/7/2004	4/7/2002	50-029-23071-00	202-036-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	L-102
5/7/2004	4/7/2002	50-029-23072-00	202-052-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN NEW	04-01
5/11/2004	4/11/2002	50-103-20403-00	202-010-0	ANADARKO PETROLEUM CORPO	ALTAMURA	1
5/11/2004	4/11/2002	50-231-20011-00	202-041-0	UNION OIL CO OF CALIFORNIA	GRINER	1
5/12/2004	4/12/2002	50-287-20015-00	202-040-0	CONOCOPHILLIPS ALASKA INC	GRIZZLY	1
5/13/2004	4/13/2002	50-733-20506-00	201-194-0	FOREST OIL CORP	REDOUBT UNIT	4
5/15/2004	4/15/2002	50-029-23034-00	201-139-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U WSAK	1C-119
5/15/2004	4/15/2002	50-029-23073-00	202-054-0	BP EXPLORATION (ALASKA) INC	NORTHSTAR UNIT	NS-15
5/17/2004	4/17/2002	50-029-23057-00	201-227-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	1R-36
5/17/2004	4/17/2002	50-029-21893-01	202-059-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	W-10A
5/19/2004	4/19/2002	50-103-20417-00	202-053-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U MELT	2P-431
5/20/2004	4/20/2002	50-103-20096-01	200-022-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	3H-16A
5/21/2004	4/21/2002	50-029-23050-00	201-210-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	1R-35
5/21/2004	4/21/2002	50-103-20409-00	202-026-0	CONOCOPHILLIPS ALASKA INC	MITRE	1
5/23/2004	4/23/2002	50-103-20418-00	202-074-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-25
5/24/2004	4/24/2002	50-029-20928-60	202-069-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	13-29L1
5/25/2004	4/25/2002	50-029-22536-02	202-044-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	E-13B
5/26/2004	4/26/2002	50-287-20016-00	202-060-0	CONOCOPHILLIPS ALASKA INC	HEAVENLY	NO.1
5/28/2004	4/28/2002	50-029-23061-00	201-245-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-15

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Release Date	Date Completed	API Number	Permit	Operator	Well Name	Samples/ Core	
5/29/2004	4/29/2002	50-029-21416-01	202-057-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	3C-04A	Yes
6/1/2004	5/1/2002	50-733-20251-02	202-034-0	XTO ENERGY INC	MGS	C32-23LW	
6/2/2004	5/2/2002	50-103-20415-00	202-049-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-50	
6/3/2004	5/4/2002	50-103-20400-01	202-067-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U MELT	2P-422A	
6/4/2004	5/5/2002	50-103-20410-00	202-027-0	CONOCOPHILLIPS ALASKA INC	LOOKOUT	2	
6/4/2004	5/4/2002	50-029-23074-00	202-056-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	V-101	
6/7/2004	5/7/2002	50-029-23077-00	202-064-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	L-119	
6/7/2004	5/7/2002	50-029-22347-60	202-081-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	A-38L1	
6/9/2004	5/10/2002	50-029-21779-01	202-065-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN PTM	P1-02A	
6/13/2004	5/14/2002	50-029-20366-01	202-094-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	C-09A	
6/15/2004	5/15/2002	50-103-20419-00	202-082-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-46	
6/16/2004	5/16/2002	50-029-22641-01	202-084-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	3M-29A	
6/17/2004	5/17/2002	50-029-22953-01	202-076-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN PTM	P1-18A	
6/19/2004	5/19/2002	50-029-23080-00	202-075-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN POL	W-211	
6/20/2004	5/20/2002	50-133-20511-00	202-043-0	MARATHON OIL CO	KENAI TYONEK UNIT	32-07H	
6/22/2004	5/22/2002	50-029-23084-00	202-085-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-27	
6/22/2004	5/22/2002	50-029-23084-60	202-086-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-27L1	
6/22/2004	5/22/2002	50-029-21906-01	202-090-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	W-08A	
6/26/2004	5/26/2002	50-029-22436-60	202-078-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	X-35L1	
6/26/2004	5/26/2002	50-029-23083-00	202-080-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	V-106	
6/27/2004	5/27/2002	50-029-22411-01	200-175-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	E-31A	Yes
6/28/2004	5/28/2002	50-103-20421-00	202-092-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-22	
7/4/2004	6/4/2002	50-133-20510-00	202-025-0	MARATHON OIL CO	KENAI BELUGA UNIT	41-07X	
7/13/2004	6/13/2002	50-029-20737-02	202-105-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	D-22B	
7/13/2004	6/13/2002	50-103-20422-00	202-108-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-48	
7/15/2004	6/15/2002	50-029-23087-00	202-097-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN POL	W-203	
7/15/2004	6/15/2002	50-029-23087-60	202-098-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN POL	W-203L1	
7/15/2004	6/15/2002	50-029-23087-61	202-099-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN POL	W-203L2	
7/16/2004	6/16/2002	50-733-20116-03	202-055-0	UNION OIL CO OF CALIFORNIA	TRADING BAY UNIT	G-12RD3	
7/16/2004	6/16/2002	50-029-22285-01	202-102-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	15-31A	
7/17/2004	6/17/2002	50-029-23046-00	201-201-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	L-109	
7/18/2004	6/18/2002	50-029-23089-00	202-103-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-25	
7/20/2004	6/20/2002	50-029-23086-00	202-096-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U WSAK	1D-103	
7/23/2004	6/23/2002	50-029-23070-00	202-033-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	V-102	
7/26/2004	6/26/2002	50-029-23081-00	202-077-0	BP EXPLORATION (ALASKA) INC	NORTHSTAR UNIT	NS-07	

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Release Date	Date Completed	API Number	Permit	Operator	Well Name	Samples/ Core	
7/30/2004	6/30/2002	50-029-20553-02	202-117-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	G-10B	
8/3/2004	7/3/2002	50-029-23094-00	202-120-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN AURO	S-113	
8/4/2004	7/4/2002	50-029-23090-00	202-109-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	L-108	
8/7/2004	7/7/2002	50-029-23094-01	202-140-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN AURO	S-113A	
8/8/2004	7/8/2002	50-029-20338-02	202-116-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	07-13B	
8/10/2004	7/10/2002	50-029-23098-00	202-132-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-23	
8/10/2004	7/10/2002	50-029-23098-60	202-133-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-23L1	
8/12/2004	7/12/2002	50-029-20692-02	202-111-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	D-17B	
8/15/2004	7/15/2002	50-029-20372-01	202-123-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	D-08A	
8/18/2004	7/18/2002	50-029-23082-00	202-079-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	PSI-06	
8/18/2004	7/18/2002	50-133-10152-01	202-119-0	UNION OIL CO OF CALIFORNIA	SWANSON RIVER KGSF	2	
8/21/2004	7/21/2002	50-733-20401-01	202-087-0	XTO ENERGY INC	MGS	C24A-23LN	
8/22/2004	7/22/2002	50-029-20432-03	202-136-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	12-08C	
8/24/2004	7/24/2002	50-103-20425-00	202-134-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-23	
8/27/2004	7/27/2002	50-029-23100-00	202-137-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-05	
8/27/2004	7/27/2002	50-029-23100-60	202-138-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-05L1	
8/28/2004	7/28/2002	50-029-23094-02	202-143-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN AURO	S-113B	
8/29/2004	7/29/2002	50-029-23076-00	202-061-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U WSAK	1C-104	
8/29/2004	7/29/2002	50-029-23076-60	202-062-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U WSAK	1C-104L1	
8/30/2004	7/30/2002	50-029-23095-00	202-124-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	PSI-09	
8/31/2004	7/31/2002	50-029-21770-60	202-106-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	07-28AL1	
8/31/2004	7/31/2002	50-103-20424-00	202-126-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-41	
9/4/2004	8/4/2002	50-133-20515-00	202-118-0	UNION OIL CO OF CALIFORNIA	SWANSON RIV UNIT	213-10	
9/5/2004	8/5/2002	50-029-23024-00	201-114-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U WSAK	1C-127	
9/5/2004	8/5/2002	50-029-23027-00	201-121-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U WSAK	1C-117	
9/6/2004	8/6/2002	50-103-20423-00	202-112-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-19	
9/7/2004	8/7/2002	50-029-23099-00	202-135-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN AURO	S-112	
9/9/2004	8/9/2002	50-029-23101-00	202-139-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	L-103	
9/10/2004	8/10/2002	50-733-20245-01	202-004-0	UNION OIL CO OF CALIFORNIA	TRADING BAY ST	A-29RD	Yes
9/11/2004	8/11/2002	50-029-21872-02	202-121-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	18-18B	
9/11/2004	8/11/2002	50-029-23105-00	202-146-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-03	
9/11/2004	8/11/2002	50-029-23105-60	202-147-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-03L1	
9/13/2004	8/13/2002	50-029-23066-00	202-014-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-31	
9/13/2004	8/13/2002	50-733-20513-00	202-083-0	FOREST OIL CORP	REDOUBT UNIT	5	Yes
9/13/2004	6/18/2002	50-029-23089-60	202-104-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-25L1	

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Release Date	Date Completed	API Number	Permit	Operator	Well Name	Samples/ Core	
9/18/2004	8/18/2002	50-029-23065-00	202-009-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-21	
9/18/2004	8/18/2002	50-029-23075-00	202-058-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	L-105	
9/20/2004	8/20/2002	50-029-23104-00	202-145-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	PSI-01	
9/21/2004	8/21/2002	50-029-23093-00	202-114-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-13	
9/21/2004	8/21/2002	50-029-20659-60	202-122-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	12-14AL1	
9/22/2004	8/22/2002	50-029-21598-01	202-032-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	11-17A	
9/24/2004	8/24/2002	50-029-23079-00	202-072-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-07	
9/24/2004	8/24/2002	50-103-20426-00	202-144-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-16	
9/28/2004	8/28/2002	50-029-20452-01	202-095-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	E-08A	
9/29/2004	8/29/2002	50-029-23092-00	202-113-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-11	
10/1/2004	9/1/2002	50-029-23106-00	202-152-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	I-15	
10/1/2004	9/1/2002	50-029-23106-60	202-153-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	I-15L1	
10/3/2004	9/3/2002	50-029-21156-01	202-163-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	S-18A	
10/8/2004	9/8/2002	50-029-20466-02	202-161-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	E-09B	
10/8/2004	9/8/2002	50-103-20429-00	202-171-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-38	
10/10/2004	9/10/2002	50-029-23097-00	202-131-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	V-105	
10/13/2004	9/13/2002	50-029-22818-01	202-167-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	H-13A	
10/16/2004	9/16/2002	50-029-20444-01	202-176-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	J-10A	
10/17/2004	9/17/2002	50-029-23116-00	202-175-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN AURO	S-114	
10/19/2004	9/19/2002	50-029-23103-00	202-142-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	V-104	
10/22/2004	9/22/2002	50-283-10020-02	202-162-0	AURORA GAS LLC	NICOLAI CK UNIT	1B	Yes
10/23/2004	9/23/2002	50-103-20428-00	202-165-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-44	
10/29/2004	9/29/2002	50-029-23115-00	202-173-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-17	
10/29/2004	9/29/2002	50-029-23115-60	202-174-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-17L1	
11/7/2004	10/7/2002	50-103-20427-00	202-148-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-29	
11/8/2004	10/8/2002	50-133-20362-01	202-088-0	MARATHON OIL CO	WOLF LAKE	1RD	Yes
11/10/2004	10/10/2002	50-029-20961-02	202-125-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	J-15B	
11/12/2004	10/12/2002	50-029-22768-01	201-109-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT KR	L-35A	
11/14/2004	10/14/2002	50-029-23110-00	202-159-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	PSI-10	
11/16/2004	10/16/2002	50-029-23119-00	202-195-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-29	
11/16/2004	10/16/2002	50-029-23119-60	202-196-0	BP EXPLORATION (ALASKA) INC	MILNE PT UNIT SB	S-29L1	
11/18/2004	10/18/2002	50-029-23114-00	202-172-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	PSI-08	
11/19/2004	10/19/2002	50-103-20408-00	202-018-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV U MELT	2P-427	
11/19/2004	10/19/2002	50-029-21716-02	202-170-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	J-20B	
11/21/2004	10/21/2002	50-029-22430-60	202-189-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	K-16AL1	

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Release Date	Date Completed	API Number	Permit	Operator	Well Name	Samples/ Core
11/21/2004	10/21/2002	50-029-22430-61	202-190-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	K-16AL2
11/22/2004	10/22/2002	50-733-20513-01	202-168-0	FOREST OIL CORP	REDOUBT UNIT	5A
11/30/2004	10/31/2002	50-029-21807-01	202-191-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	W-38A
11/30/2004	10/31/2002	50-029-20269-01	202-192-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	01-12A
12/2/2004	11/2/2002	50-009-20020-00	202-178-0	EVERGREEN RESOURCES (ALAS	BARANOF	4
12/3/2004	11/3/2002	50-103-20431-00	202-203-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-13
12/5/2004	11/5/2002	50-009-20021-00	202-179-0	EVERGREEN RESOURCES (ALAS	LOWELL	2
12/6/2004	11/6/2002	50-029-22277-01	202-150-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	R-31A
12/7/2004	11/7/2002	50-029-22573-01	202-193-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	14-44A
12/8/2004	11/8/2002	50-029-20800-01	202-022-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	01-19A
12/12/2004	11/12/2002	50-029-23120-00	202-202-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	V-109
12/13/2004	11/13/2002	50-029-20909-01	202-156-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	R-14A
12/16/2004	11/16/2002	50-029-21733-01	202-200-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	J-27A
12/24/2004	11/24/2002	50-029-20020-02	202-201-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	J-01B
12/25/2004	11/25/2002	50-029-23112-00	202-166-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UN BORE	V-108
12/26/2004	11/26/2002	50-103-20430-00	202-187-0	CONOCOPHILLIPS ALASKA INC	KUPARUK RIV UNIT	3S-07
12/27/2004	11/27/2002	50-029-22042-01	202-151-0	BP EXPLORATION (ALASKA) INC	PRUDHOE BAY UNIT	W-15A
12/28/2004	11/28/2002	50-103-20434-00	202-211-0	CONOCOPHILLIPS ALASKA INC	COLVILLE RIV UNIT	CD2-37

Alaska Wells With Extended Confidentiality

Operator	Permit	API Number	Well Name		Final Class	Final Status	Date Completed	Lease
CHEVRON USA INC	177-051-0	50-057-20002-00	TIGLUKPUK	1	EXP	P&A	12/12/1978	ASRC118038
MOBIL OIL CORP	179-001-0	50-089-20008-00	STAINES RIV ST	1	EXP	SUSP	7/21/1979	ADL0047573
CHEVRON USA INC	180-038-0	50-137-20004-00	KILLIK	1	EXP	P&A	12/5/1981	ASRC113104
CHEVRON USA INC	181-055-0	50-057-20003-00	COBBLESTONE	1	EXP	P&A	3/11/1982	ASRC108090
PHILLIPS PETROLEUM CO	181-069-0	50-089-20017-00	P.T.UN.N.STAINES RV.	1	EXP	SUSP	5/6/1982	ADL0047572
CHEVRON USA INC	182-005-0	50-103-20021-00	LIVEHORSE CHEVRON	1	EXP	P&A	5/4/1982	ASRC-LIVEH
EXXON CORP	182-208-0	50-089-20020-00	ALASKA ST G	2	EXP	P&A	8/19/1983	ADL0343109
CHEVRON USA INC	184-178-0	50-025-20001-00	KIC WELL	1	EXP	P&A	4/24/1986	ASRCKIC152
ARCO ALASKA INC	189-067-0	50-689-20022-00	STINSON	1	EXP	P&A	8/20/1990	ADL0371024
BP EXPLORATION (ALASKA)	194-015-0	50-089-20025-00	SOURDOUGH	2	EXP	P&A	4/27/1994	ADL0343112
BP EXPLORATION (ALASKA)	196-008-0	50-089-20026-00	SOURDOUGH	3	EXP	SUSP	4/24/1996	ADL0343112
CONOCOPHILLIPS ALASKA I	201-013-0	50-103-20364-00	TRAILBLAZER	A-01	EXP	P&A	3/26/2001	FED-NPRA
CONOCOPHILLIPS ALASKA I	201-035-0	50-103-20369-00	TRAILBLAZER	H-01	EXP	SUSP	4/13/2001	FED-NPRA

2004 FIELD INSPECTION PROGRAM

DIVERTER TESTS

Commission Inspectors witnessed 16% of all diverter tests (11 of 69) performed during 2004. Diverter tests on 9 of 27 exploration wells drilled during the year were witnessed; 14 of these were in remote locations. Seven diverter tests were witnessed on the 14 remote exploratory wells. Scheduling conflicts, weather, and the remoteness of operations contributed to the inability to witness diverter tests on 3 remote exploratory operations; diverter requirements were waived for 4 of the wells.

BLOWOUT PREVENTION EQUIPMENT

Past performance has a strong influence on which rigs will be visited to witness blowout prevention equipment ("BOPE") testing, particularly when scheduling conflicts arise. As a guide, AOGCC's goal is to witness the initial BOPE test on all exploratory wells and rig startups (after the rig has been shut down for an extended time period), and at least one test on each operating rig every two months. Based on 175 rig-months for calendar year 2004, the Commission's minimum goal was to witness 90 BOPE tests. There were 500 BOPE tests performed during 2004; the PI Team witnessed 108 BOPE tests (21.6% of the total, which is 120% of our stated goal). Initial BOPE tests were witnessed on 16 of 27 exploration wells; 13 of 15 initial BOPE tests were witnessed on rigs that started operations after an extended shut down. AOGCC witness of initial BOPE tests on three of the remote exploratory wells in NPRA was waived since a BLM inspector was available to witness these tests. Witness of the initial BOPE test on the remaining wells was waived for logistical reasons and taking into account recent equipment performance during testing.

RIG INSPECTIONS

The PI Team conducted 123 rig inspections.

SAFETY VALVE SYSTEMS

The SVS on a well is required to be tested at a maximum interval of every 6 months or more frequently if the failure rate from the prior test exceeded 10%. AOGCC's minimum goal is to witness 25% of the tests performed during a year. During 2004, the PI Team witnessed 2,147 of the 4,423 SVS tests, or about 49% of the tests performed. There were 9,515 components tested in the 4,423 system tests. The Commission identified 4 defeated safety valve systems during 2004 inspections; operators implemented corrective action on all defeated systems by year-end.

WELL HOUSE INSPECTIONS

The PI Team inspected 2,290 wellhead and well house systems on the North Slope and in Cook Inlet.

MECHANICAL INTEGRITY TESTS

There were 1,155 wells engaged in underground injection activities by year-end 2004. Included were 1,088 Class II enhanced recovery wells, 56 Class II disposal wells, seven Class I disposal wells, and four Class II gas storage injectors. Operators added 50 injection wells during 2004, including 43 new wells and seven wells converted to injection service. Ten injectors were abandoned and one was suspended in 2004. MITs were performed on 427 injection wells throughout the state.

AOGCC inspectors witnessed:

- 312 of the 465 MITs;
- 3 of 11 MITs on the Class I non-hazardous disposal injection wells;
- MITs on 28 of the 50 new/converted wells;

The number of witnessed MITs on new/converted injectors is directly impacted by when the well begins injection. Twenty-two injectors were completed during 2004, but had not initiated injection as of the year-end. The Commission does not routinely witness an MIT until the well's operating condition has stabilized.

WELL BORE PLUGS

Commission Inspectors witnessed abandonment activities on 27 wells during 2004; seven of these were new remote exploratory wells located throughout the state. Inspections of the remaining 20 wells included verification of deep plug placement or surface abandonment of old exploration and development wells in the NW Eileen area of Prudhoe Bay, Swanson River Unit, and Houston Gas field (coalbed methane development).

LOCATION CLEARANCE

Eight location clearance inspections were conducted during 2004, including 6 abandoned exploratory well locations.

METERING

Gas Meters: There were 26 gas measurement facilities in the State of Alaska by year-end 2004. The PI Team inspected 12 of the 25 active gas measurement facilities (16 of 28 meters) during 2004.

Oil Meters: North Slope oil production represented 98% of Alaska's total oil production in 2004. There were 94 oil meter provings witnessed by Commission Inspectors; 62 of those were at North Slope facilities. A Commission Inspector witnessed the annual recertification of Alyeska's portable prover during 2004 at the Valdez Marine Facility. Members of the Inspection Team also witnessed subsequent re-certifications of the North Slope using the Alyeska portable prover.

AOGCC FIELD INSPECTION SUMMARY 2004

YEARLY WITNESSED TESTS AND INSPECTIONS

TABLE I

Statistics		Drilling Rigs Diversers & BOPE					Safety Valve Systems			Mech. Integrity Tests		Well Abandonment		Oil & Gas Meters		
Year	No. Of Inspectors	Diversers	BOP	Rig	Totals	Non Compliance	Tested	Well House	Non Compliance	Tests	Non Compliance	Plugs	Locations	Oil Meters	Gas Meters	Non Compliance
1980	4	0	122	0	126	139	1,724	N/A	187	0	0	N/A	56	171	29	0
1981	5	18	162	0	185	178	1,487	N/A	142	0	0	N/A	136	104	14	45
1982	5	9	208	0	222	180	2,810	N/A	371	0	0	N/A	119	109	20	32
1983	5	7	165	0	177	90	2,750	N/A	245	0	0	N/A	138	147	36	54
1984	5	19	194	0	218	92	2,818	N/A	233	0	0	N/A	104	129	35	74
1985	4(5)*	18	227	0	245	228	4,765	N/A	408	43	0	N/A	53	88	15	19
1986	4	13	117	0	134	127	4,539	N/A	428	216	2	N/A	70	104	22	14
1987	3(4)**	8	41	0	49	21	4,949	N/A	413	265	23	N/A	48	69	8	10
1988	3(4)***	12	55	0	67	43	4,919	N/A	508	300	6	N/A	20	71	11	0
1989	3	13	53	0	69	55	5,208	N/A	511	132	8	N/A	23	71	13	14
1990	3	17	57	70	147	117	2,767	N/A	289	96	3	N/A	37	18	0	2
1991	3	17	70	105	195	295	734	N/A	116	132	8	N/A	26	68	7	1
1992	3(4)****	19	57	33	109	53	1,252	N/A	183	162	2	36	24	116	24	1
1993	5	49	152	74	280	196	1,294	796	459	218	0	72	25	163	32	4
1994	5	25	123	65	218	130	1,465	3274	445	190	4	52	74	197	35	1
1995	5	35	121	64	220	154	1,234	1,065	253	216	6	37	33	167	38	5
1996	4(5)*****	31	97	56	184	172	1,060	1,001	183	197	4	44	42	156	46	2
1997	4*****	24	114	97	235	125	1121	1369	138	148	22	40	19	139	12	3
1998	4	24	155	97	276	120	1250	1404	144	190	12	16	7	143	22	22
1999	4*****	11	89	73	173	72	1700	2841	230	211	7	7	7	199	18	43
2000	5*****	25	115	128	268	175	1663	1766	202	220	7	19	5	117	7	31
2001	5	30	148	186	364	270	1892	1837	247	251	18	23	8	134	28	43
2002	5	18	112	147	277	198	1993	1935	274	247	16	34	17	120	21	18
2003	5	15	103	131	249	164	2072	2044	226	239	16	14	20	131	19	17
2004	5	11	108	123	242	148	2147	2082	232	312	17	29	8	94	12	21

* PI Retired

** PI Off Duty

*** PI Transferred

**** Due to injuries, we had only one inspector for two months

***** Effectively 4 inspectors in-the-field due to resignation, reassignment, and leave for family illness.

***** Five Inspectors 3 Months, Four Inspectors for 6 Months, 3 Inspectors for 3 Months.

***** Five Inspectors for 8 Months, Four Inspectors for 4 Months.

GAS DISPOSITION

The AOGCC requires operators to report gas disposition on a monthly basis, accounting for all gas produced. During 2004, 3,668.9 billion cubic feet (Bcf) of gas were produced; of that 85.6% was re-injected, 7.0% was flared, vented or used as pilot/purge gas, and 7.4% was sold. The volume flared or vented at each facility must be grouped into three categories: less than or equal to 1 hour, greater than 1 hour, and the remaining 7.0% was flared, vented or used as pilot/purge. [Pilot gas is defined as the gas routed to a safety flare to maintain an ignition source. Purge gas is used to maintain forward flow and a positive pressure in the safety flare]. During 2004, a total of 6.53 BCF of gas was reported as flared or vented from oil and gas facilities in Alaska, representing an increase of 2.35% compared to 2003. Flaring and venting of natural gas accounts for 0.18% of the total gas produced in Alaska.

Total gas flaring or venting during 2004 can be broken down as follows:

- Less than or equal to 1 hour: 1.00 BCF (15.3% of 2004 total)
- Greater than 1 hour: 1.38 BCF (21.1% of 2004 total)
- Pilot/purge: 4.15 BCF (63.6% of 2004 total)

Gas is also used for operations and lease purposes. Included in this category is gas used for fuel (rigs and facilities), commissioning new facilities, pigging, and assist gas used in preventing black smoke during flaring. During 2004, operations and lease use accounted for 238.9 BCF of gas, approximately 6.5% of the total gas produced. The operations use of gas during 2004 represents a slight decrease (2.3%) compared with 2003. There were no significant operational startups or new facility operations that contributed to the gas flaring and usage.

The Commission reviews the volume of gas flared to determine if there has been waste.

ARCTIC SLOPE FLARING AND VENTING

Arctic Slope operations account for 5.46 BCF of the total gas flared or vented during 2004, categorized as follows:

- Less than or equal to 1 hour: 0.54 BCF (9.9% of 2004 total)
- Greater than 1 hour: 1.12 BCF (20.5% of 2004 total)
- Pilot/purge: 3.8 BCF (69.6% of 2004 total)

Arctic Slope flaring and venting increased 4.8% during 2004 compared to 2003. During 2004, repairs resulted in a significant decrease of flaring at Northstar Island (down 59% compared to 2003 volumes).

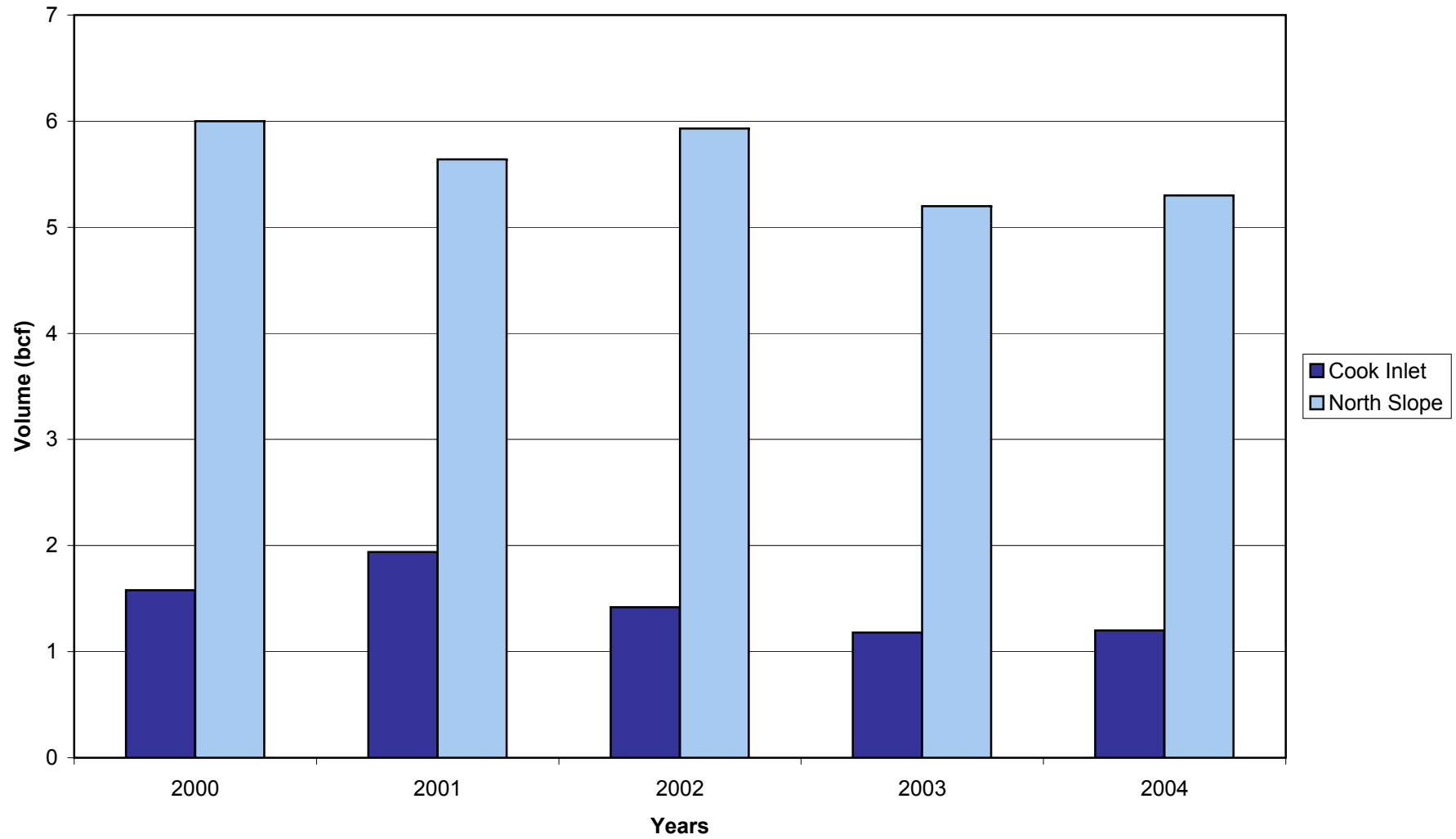
COOK INLET BASIN FLARING AND VENTING

Cook Inlet Basin operations account for 1.07 BCF of gas flared or vented during 2004, categorized as follows:

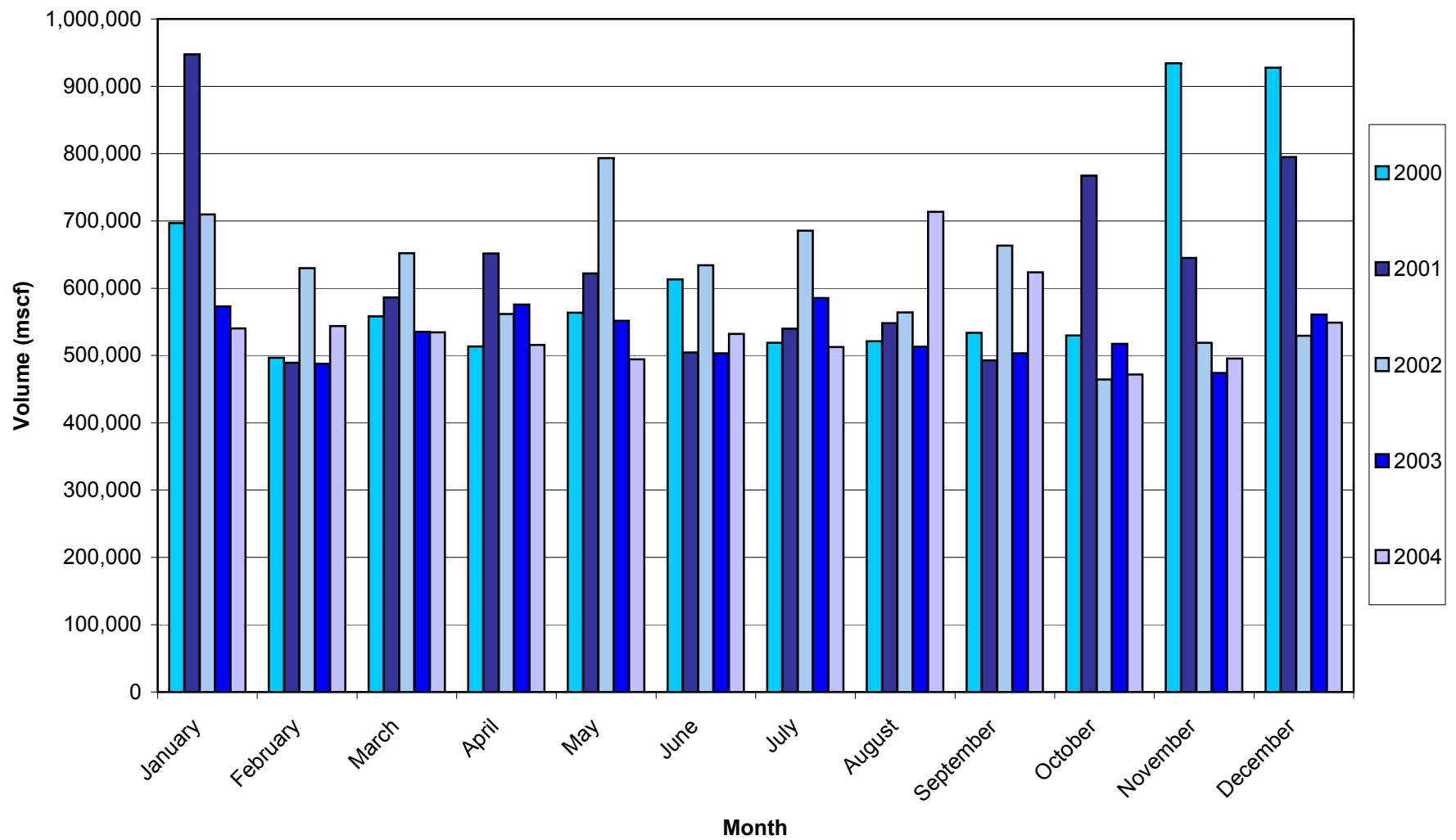
- Less than or equal to 1 hour: 0.46 BCF (43% of 2004 total)
- Greater than 1 hour: 0.26 BCF (24% of 2004total)
- Pilot/purge: 0.35 BCF (33% of 2004 total)

Cook Inlet Basin flaring and venting decreased 11.3% during 2004 compared to 2003, driven primarily by the 19% decrease in gas flared by facilities for periods greater than 1 hour. Notable decreases in gas flaring occurred at the Granite Point field platforms and facilities (Anna, Bruce, GP, TF-AB, TF-GP and LEX TF), which decreased by 65%; at Middle Ground Shoal (44% decrease), and at Swanson River (54% decrease).

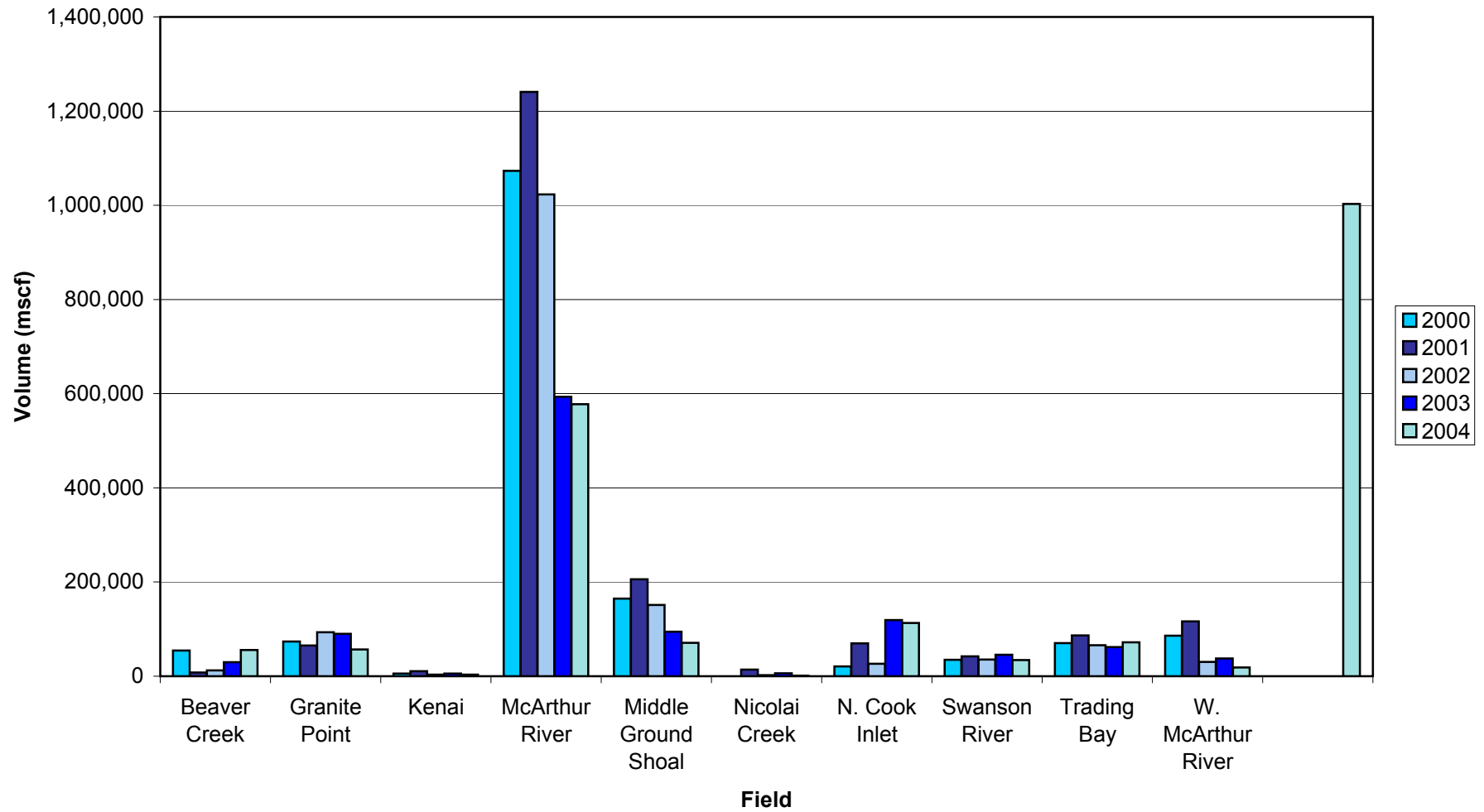
**Statewide Vent & Flare
2000-2004**



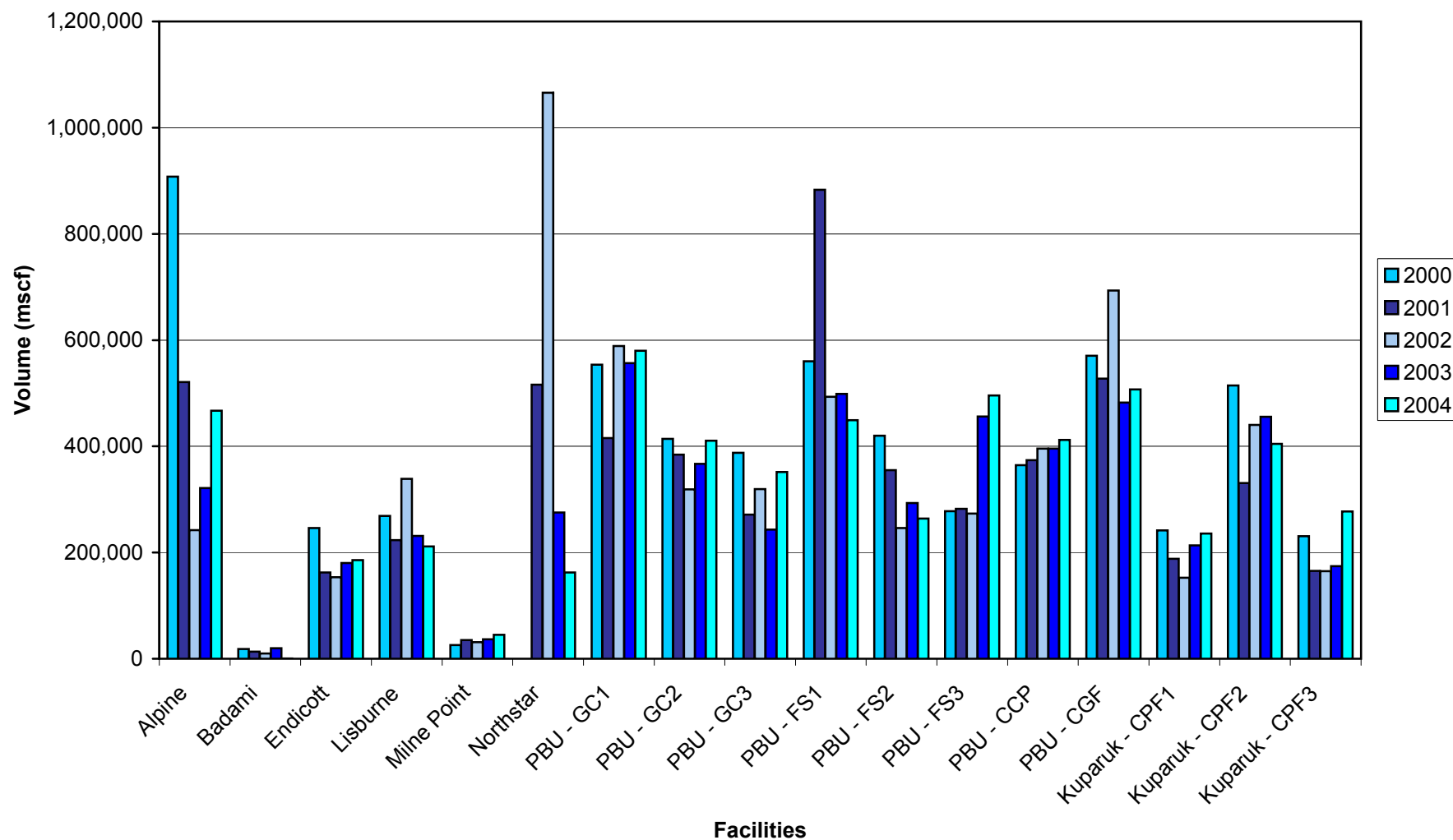
Monthly, Statewide Vented and Flared Volumes 2000-2004



**Cook Inlet Vented and Flared
(Including Pilot and Purge)
2000-2004**



**North Slope Vented & Flared by Processing Facility
(Including Pilot & Purge)
2000-2004**



2004 GAS DISPOSITION: COOK INLET

<u>Operator</u>	<u>Facility</u>	<u>Sold</u>	<u>Reinjected</u>	<u>Lease Operations</u>	<u>Other (Shrink)</u>	<u>Flare ≤ 1 Hr</u>	<u>Flare > 1 Hr</u>	<u>Pilot / Purge</u>	<u>TOTAL</u>
AURORA GAS LLC	Albert Kaloa	437,750	0	1,330	0	0	0	0	439,080
MARATHON OIL C	Beaver Creek	8,208,933	0	73,534	0	0	54,358	1,320	8,338,145
CONOCOPHILLIPS	Beluga River	57,433,091	0	183,858	0	0	686	0	57,617,635
AURORA GAS LLC	Deep Ck Happy Valley	285,053	0	2,216	0	0	11,669	0	298,938
UNION OIL CO OF	GP Anna Platform	0	522	388,773	0	2,059	1,954	2,562	395,870
UNION OIL CO OF	GP Bruce Platform	0	0	161,751	0	209	2,154	2,562	166,676
UNION OIL CO OF	GP GP Platform	0	0	417,284	0	7,821	11,897	7,267	444,269
UNION OIL CO OF	GP TF Anna/Bruce	3,942	0	22,230	0	0	0	0	26,172
UNION OIL CO OF	GP TF Gran Pt Prod Fac (Plat)	0	0	50,803	0	0	0	0	50,803
UNION OIL CO OF	GP TF LEX Plant	125,937	0	108,253	-3,144	12,210	670	7,180	251,106
UNION OIL CO OF	Ivan River	1,637,003	0	33,842	0	0	0	0	1,670,845
MARATHON OIL C	Kenai	26,834,418	0	1,039,540	-247,938	3,138	0	0	27,629,158
MARATHON OIL C	Kenai CLU	10,705,471	0	55,697	0	0	0	0	10,761,168
UNION OIL CO OF	Lewis River	359,442	0	8,667	0	0	0	0	368,109
AURORA GAS LLC	Lone Creek	1,743,375	0	39,115	0	0	650	0	1,783,140
XTO ENERGY INC	MGS A Platform	0	0	268,649	0	0	28,900	12,811	310,360
UNION OIL CO OF	MGS Baker Platform	0	0	0	0	0	0	0	0
XTO ENERGY INC	MGS C Platform	0	0	75,517	0	0	10,736	18,301	104,554
UNION OIL CO OF	MGS Dillon Platform -SMGS	0	0	0	0	0	0	0	0
AURORA GAS LLC	Moquawkie	750,855	0	13,897	0	0	0	0	764,752
AURORA GAS LLC	Nicolai Ck North	943,845	0	38,346	0	280	288	0	982,759
MARATHON OIL C	Ninilchik Falls Creek	4,864,298	0	3,059	0	563	3,567	0	4,871,487
MARATHON OIL C	Ninilchik G Oskolkoff	3,685,374	0	3,426	0	2,043	10,923	0	3,701,766
MARATHON OIL C	Ninilchik S Dionne	3,787,432	0	6,404	0	0	0	0	3,793,836
CONOCOPHILLIPS	North Cook Inlet	40,099,206	0	1,107,803	0	77,026	24,539	11,363	41,319,937
EVERGREEN RES	Pioneer	0	0	0	0	0	796	0	796
UNION OIL CO OF	Pretty Creek	651,580	0	6,454	0	0	0	0	658,034
FOREST OIL COR	RS Kustatan	18,441	0	141,051	0	17,016	3,428	31,869	211,805
UNION OIL CO OF	SR Swanson River LEX	2,175,730	750,501	1,323,710	158,696	11,180	10,235	12,838	4,442,890
MARATHON OIL C	Sterling	296,396	0	3,346	0	0	0	0	299,742
UNION OIL CO OF	Stump Lake	0	0	0	0	0	0	0	0
UNION OIL CO OF	TB Onshore Facility MRF	23,572	0	577,835	35,937	2,314	36,324	9,147	685,129
UNION OIL CO OF	TBF Monopod	0	0	147,987	0	13,929	0	40,188	202,104
MARATHON OIL C	TBF Spark NTBU	17,044	0	10,387	0	0	0	0	27,431
MARATHON OIL C	TBF Spurr NonUnit	0	0	0	0	0	0	0	0
UNION OIL CO OF	TBU Dolly Varden Platform	0	0	875,925	0	148,155	890	9,814	1,034,784
UNION OIL CO OF	TBU Grayling Platform	42,093	0	2,729,230	0	109,720	0	73,200	2,954,243
UNION OIL CO OF	TBU King Salmon Platform	0	0	1,132,708	0	38,409	2,805	2,196	1,176,118
UNION OIL CO OF	TBU MRF Monopod	0	0	125,997	0	4,112	0	13,719	143,828
UNION OIL CO OF	TBU Steelhead Platform	26,671,756	0	1,721,836	0	9,849	39,848	75,246	28,518,535
FOREST OIL COR	W Foreland	1,014,991	0	9,599	0	0	0	0	1,024,590
FOREST OIL COR	W McArthur River	47,811	0	91,177	0	154	694	17,754	157,590
MARATHON OIL C	Wolf Lake	72,764	0	619	0	0	0	0	73,383
COOK INLET	TOTALS (MCF)	192,937,603	751,023	13,001,855	-56,449	460,187	258,011	349,337	207,701,567

2004 GAS DISPOSITION: NORTH SLOPE

<u>Operator</u>	<u>Facility</u>	<u>Sold</u>	<u>Reinjected</u>	<u>Lease Operations</u>	<u>Other (Shrink)</u>	<u>Flare < 1 Hr</u>	<u>Flare > 1 Hr</u>	<u>Pilot / Purge</u>	<u>TOTAL</u>
BP EXPLORATION	Badami	0	0	78	0	0	0	403	481
NORTH SLOPE BO	Barrow	168,038	0	1,698	0	0	0	0	169,736
CONOCOPHILLIPS	Colville River Unit	0	39,636,081	5,096,809	0	0	216,430	250,488	45,199,808
BP EXPLORATION	DIU Endicott	2,690,688	117,796,597	11,745,684	0	19,291	46,207	120,414	132,418,881
CONOCOPHILLIPS	KRU CPF 1	135,097	32,353,816	10,244,693	0	44,772	22,908	167,832	42,969,118
CONOCOPHILLIPS	KRU CPF 2	395,086	63,770,180	8,647,060	0	145,789	38,812	220,187	73,217,114
CONOCOPHILLIPS	KRU CPF 3	9,862	0	8,908,466	0	6,281	91,904	179,053	9,195,566
BP EXPLORATION	Milne Point Central	214,086	8,033,146	3,397,915	0	18,717	18,242	8,060	11,690,166
BP EXPLORATION	Northstar	0	104,220,561	0	0	62,116	100,205	0	104,382,882
BP EXPLORATION	PBU CCP/FFGU	42,085,270	2,537,510,094	72,056,926	0	16,411	0	395,472	2,652,064,173
BP EXPLORATION	PBU CGF B	30,265,358	119,847,602	39,086,921	10,419,802	51,545	152,564	303,094	200,126,886
BP EXPLORATION	PBU FS 1	0	0	9,047,227	0	20,216	120,077	309,022	9,496,542
BP EXPLORATION	PBU FS 2	0	0	9,064,591	0	10,971	22,645	230,319	9,328,526
BP EXPLORATION	PBU FS 3	0	0	11,311,704	0	20,508	50,921	424,318	11,807,451
BP EXPLORATION	PBU GC 1	0	0	11,230,345	0	70,787	26,667	482,416	11,810,215
BP EXPLORATION	PBU GC 2	0	0	7,010,043	0	11,225	72,793	326,516	7,420,577
BP EXPLORATION	PBU GC 3	0	0	6,082,945	0	29,017	116,696	205,992	6,434,650
BP EXPLORATION	PBU Lisburne Prod (GrPtMcArea)	1,394,977	117,405,851	12,910,759	1,465,511	11,818	22,710	177,013	133,388,639
NORTH SLOPE BO	Walakpa	1,238,083	0	7,390	0	0	0	0	1,245,473
NORTH SLOPE	TOTALS (MCF)	78,596,545	3,140,573,928	225,851,254	11,885,313	539,464	1,119,781	3,800,599	3,462,366,884
STATE	TOTALS (MCF)	271,534,148	3,141,324,951	238,853,109	11,828,864	999,651	1,377,792	4,149,936	3,670,068,451

FIELD AND POOL SUMMARY SHEETS

DATA ORIGINS AND LIMITATIONS

The summary sheets that follow provide information about development wells and regular commercial production operations in Alaska's known oil and gas fields. Please review this statement of limitations carefully to avoid any potential misunderstanding of the different types of data presented. Additional limitations and comments are included on the individual sheets.

The "Field Development Information" portion of each summary sheet presents an accounting of all development and service wells within established fields and units as of December 31, 2004. Our intent is to provide an overview of field and unit development. As a general rule, exploratory wells are not included in the well counts. However, exceptions have been made for several fields or units where new pools are being developed, or where existing pools are being expanded. Any well counts that include exploratory wells are clearly annotated.

The "Production Completion Information" portion of each sheet indicates the level of commercial oil and gas operations occurring within each field. It presents a snapshot of these activities by providing a count of the number of producing and service completions that were either active or shut in during the month of December 2004.

Please note that the count of wells for a field or unit will not necessarily reconcile with the corresponding count of production completions. This is due largely to several rules that govern AOGCC's databases:

Rules Causing Well Counts to Exceed Producing Completion Counts

- (1) Every development and service well is counted in the Field Development Information section.
- (2) A development or service well is not counted in the Production Completion Information section until it produces or injects fluids or gas.

Rules 1 and 2 can cause the well count for a field to be greater than the producing completion count.

Note that exploratory wells included in the Field Development well count will not have corresponding entries in the Production Completion count. Inclusion of exploratory wells causes the well count for a field to be greater than the producing completion count. Where included, exploratory wells are clearly marked on each affected sheet.

Rule Causing Producing Completion Counts to Exceed Well Counts

- (3) In commingled wells and wells that have multiple tubing strings, production from each pool counts as a separate producing completion.

According to Rule 3, a well that produces from two pools is counted as one well in the Field Development Information section, but it counts as two completions in the Producing Completion Information section. Rule 3 causes the producing completion count to be greater than the well count in the Field Development Information section.

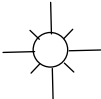
Comments provided on each affected field summary sheet address issues that affect reconciliation of well counts and producing completion counts.

The "Reservoir Information" section of each sheet presents reservoir and fluid properties that are provided, and periodically updated, by the operator.

MAP AND WELL SYMBOL INFORMATION

Maps included in this report are for general location purposes only.

The following well symbols are used in the AOGCC Annual Report. Due to map revisions over time, wells with the same status may be represented by more than one symbol. Symbols may also be represented in various colors; blue symbols indicate non-confidential wells, while red symbols are confidential.

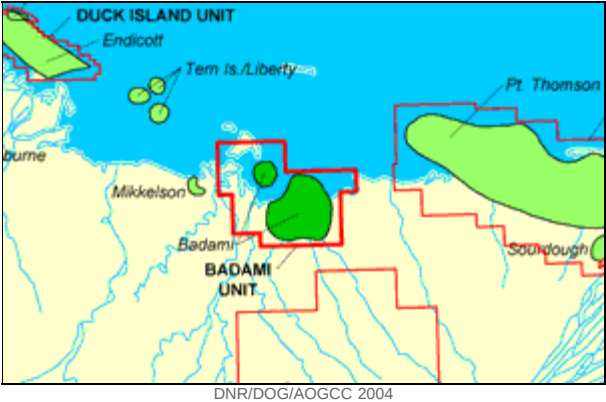
	Oil Producer
	P & A - Oil
	P & A - Oil
	Gas Producer
	P & A - Gas
	P & A - Gas
	P & A - No Production of Oil or Gas
	Injector
	Injector
	Injector
	Injector
	Injector
	Suspended
	Observation

AOGCC Pool Statistics

Badami Unit, Badami Oil Pool

Operator:BP Exploration Alaska, Inc.

Discovery Well:Conoco Inc.
Badami No. 1
Permit #189-117
API No. 50-029-22017-00-00
Sec. 09, T09N, R20E, UM
Depth: 13,595' MD / 12,911' TVD
March 7, 1990



Status:Shut-in

Location:Central Arctic Slope

Area Location Map

DNR Unit Map

Orders:

Complete List

Summary:

The Badami Oil Pool was discovered in 1990, and developed through a drilling program lasting from 1997 to 1998. The pool has now been penetrated by 19 well bores, most of which are clustered near the center of the Badami Unit. There are 8 additional wells that lie inside of, or within 4 miles of, the unit boundaries. The pool began regular production on August 23, 1998, and peaked at average rate of 7,450 barrels per day during September 1998. However, production rapidly declined to 3,300 barrels per day by January 1999, and the field was shut in from February 4 through April 30, 1999. After facilities were upgraded and remediated, production was restarted on May 1, 1999 and jumped to an average of nearly 5,300 barrels per day during July of 1999. However, by year-end 1999, production declined to an average of less than 3,000 barrels per day, and by July 2003 it averaged less than 1,300 barrels per day from six wells. In August, 2003, the Regulatory Commission of Alaska approved BP's request to temporarily shut down the Badami oil pipeline and gas products pipeline for approximately two years. BP shut-in production and placed the facilities in "warm shutdown" that same month.

Geology:

The Badami reservoir consists of a series of turbidite sandstones assigned to the Tertiary-aged Canning Formation. These sandstones were deposited as amalgamated channel sands within mud-dominated submarine fan systems. Published descriptions suggest the reservoirs are complex, consisting of 61 identified fans laid down during seven depositional events, with thin and discontinuous reservoir quality sands. No single well has encountered all of the identified fan systems, but Badami #1 reportedly has the most complete section. The Badami Oil Pool is defined as the accumulation of hydrocarbons common to and correlating with the interval between the measured depths of 9,500 feet and 11,500 feet in the Badami No. 1 well. The reservoir sandstones are very fine-to-fine grained and moderately sorted. Porosity ranges from 15 to 21 percent, permeability ranges from 1 to 400 md, and oil gravity ranges from 21 to 30 degrees API.

[Structure Map](#)

[Strat Column](#)

[Type Log](#)

Orig. Oil in Place:Not Published

Production:

[Prod Chart](#)

[Prod Report](#)

[Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	4,347,065	0	22,891,313	0
2001 Total	674,763	0	5,312,365	0
2002 Total	579,271	0	7,171,622	0
2003 Total	281,552	0	3,697,960	0

2004 Total	0	0	0	0
2003 Daily Rate	771	0	10,131	0
2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	0

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Beaver Creek, Beaver Creek Oil Pool

Operator: Marathon Oil Company
Discovery Well: Marathon Oil Company
Beaver Creek Unit No. 4
Permit #172-013
API No. 50-133-20239-00-00
Sec. 33, T07N, R10W, SM
Depth: 15,940' MD / 15,715' TVD
December 17, 1972

Status: **Producing**

Location: **Central Arctic Slope** [Area Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary: The Beaver Creek Oil Pool was discovered in 1972 by the Beaver Creek Unit No. 4 well and developed with four wells drilled between 1972 to 1981. Regular production began in January 1973, and peaked at 2,188 barrels of oil per day during July 1973. At the end of 2004, the production from the pool averaged 186 barrels of oil and 23 barrels of water per day. Production from the pool has been dominated by Beaver Creek Unit No. 4, which has produced a total of 4,455,577 barrels of oil. The other major producer is Beaver Creek Unit No. 5RD, which has produced 1,206,737 barrels of oil. Beaver Creek Unit No. 5 and No. 6 have been minor producers.

Geology: The Beaver Creek oil pool is the accumulation of oil that is common to, and correlates with, the accumulation present in the Beaver Creek Unit No. 4 well between the measured depths of 14,518 feet and 15,874 feet. This oil pool comprises reservoir sandstone and conglomeratic sandstone assigned to the Tyonek G-Zone and the Hemlock Formation. These sediments are fluvial in origin, and were deposited as valley-fill and or within floodplains. The Beaver Creek Oil Pool accumulation lies at the crest of a nearly circular anticline, which is slightly elongate in a north-south direction. The accumulation is bound by to the east by a north-south trending fault, and by dip closure to the north, west, and south. The crest of the anticline lies approximately 14,500 feet below sea level. Pressure transient analysis of DST data indicates the Hemlock has an effective permeability of 0.5 md, and the G-Zone has an effective permeability of about 75 md. Oil gravity in the G-Zone is approximately 34 to 35 degrees API, and viscosity is approximately 0.7 centipoise.

[Strat Column](#)

[Type Log](#)

Production: [Prod Chart](#)

[Prod Report](#)

[Prod Data](#)

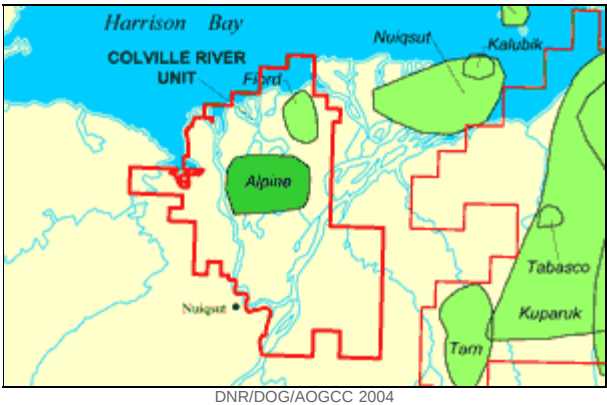
	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	5,725,937	0	2,041,869	65,202
2001 Total	84,562	0	21,450	2,681
2002 Total	79,481	0	23,082	5,720
2003 Total	76,134	0	23,040	4,809
2004 Total	68,062	0	22,067	8,430
2003 Daily Rate	209	0	63	13
2004 Daily Rate	186	0	60	23
Change (%)	-11%	0	-5%	77%

AOGCC Pool Statistics

Colville River Unit, Alpine Oil Pool

Operator:ConocoPhillips Alaska Inc.

Discovery Well:ARCO Alaska Inc.
Bergschrund No. 1
Permit #194-026
API No. 50-103-20207-00-00
Sec. 32, T12N, R05E, UM
Depth: 7,502' MD / 7,501' TVD
Arpil 14, 1994



Status:Producing

Location:Central Arctic Slope

Area Location MapUnit Location MapDNR Unit Map

Orders:Complete List

Summary:

Discovered in 1994, the Alpine Oil Pool has now been penetrated by more than 100 wells, most of which are horizontal production and injection wells. The pool began regular production in May of 2000, and has greatly exceed expectations: originally projected to produce 80,000 barrels of oil per day, the Alpine Oil Pool averaged 97,486 barrels per day during 2003. Facilities upgrades are expected to boost production during the next few years. Alpine is a model for future oil development; its facilities occupy only 97 surface acres, but it produces from about 25,000 acres (39 square miles) of reservoir. In 2003, development drilling at Alpine surpassed the 1 million foot milestone, with over 230,000 feet (nearly 52 miles) of horizontal well bore open to the reservoir.

Geology:

The reservoir consists of the Alpine Sands, an informal member of the Jurassic-aged (Ellesmerian) Kingak Formation that lie between 6,876' and 6,976' measured depth in Bergschrund No.1. These are stratigraphically the highest sand units in the Kingak within the Colville Delta area. They are shallow marine, v. fine to fine-grained, quartz-rich sandstone layers deposited on a southerly prograding shelf, and elongated in an east-west direction. Gross thickness of the combined reservoir sandstone layers ranges up to 100'. The Alpine structure is a homocline that dips southwest at a rate of about 100' per mile. This homocline is broken by several minor, northwest-trending, down-to-the-west, normal faults that average less than 30' in vertical displacement. Porosity and permeability range approximately from 15% to 23% and 1 to 160 md, respectively. No oil-water or gas-oil contacts have been observed. (CO 443A)

Structure Map

Strat Column

Type Log

Base of Alpine Map

Orig. Oil in Place:

650 to 750 MMSTB (Conservation Order 443A)

Production:Prod Chart

Prod Report

Prod Data

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	137,638,564	0	162,358,921	1,218,628
2001 Total	28,688,013	0	33,603,512	0
2002 Total	35,041,115	0	39,872,326	103,230
2003 Total	35,582,431	0	41,593,887	327,763
2004 Total	36,096,080	0	45,198,430	745,849
2003 Daily Rate	97,486	0	113,956	898
2004 Daily Rate	98,893	0	123,831	2,043
Change (%)	1%	0	9%	128%

AOGCC Pool Statistics

Colville River Unit, Nanuq Undefined Oil Pool

Operator: ConocoPhillips Alaska, Inc.
Discovery Well: Sinclair Oil & Gas Company
Colville No. 1
Permit #165-031
API No. 50-103-10002-00-00
Sec. 25, T11N, R07W, UM
Depth: 9,930' MD / 9,930' TVD
March 8, 1966

Status: Shut-in
Location: Central Arctic [Area Location Map](#) [DNR Unit Map](#)
Slope

Orders: [Spacing Exceptions Only](#)

Summary: The Nanuq Undefined Oil Pool was discovered in 2000 by the Nanuq 2 well, which tested 1,750 barrels of oil and 1.2 million cubic feet of gas per day from both Nanuq and Kuparuk reservoir sands. The Colville River Unit CD1-NQ1 delineation well (subsequently renamed Colville River Unit CD1-229) was drilled during 2001, and it tested 460 barrels of oil and 6.5 million cubic feet of gas per day from a horizontal completion. Sustained production is recorded from only CD1-229. Between February and July of 2001, the well produced a total of 60 days, yielding 19,312 barrels of oil and 298 million cubic feet of gas, for an average rate of 332 barrels of oil per day and 4,869 million cubic feet of gas per day.

Geology: The reservoir consists of the Cretaceous-age Nanuq sands: Nanuq 2 and CD1-229 encountered 50 and 19 vertical feet of oil-bearing sandstone, respectively. Nanuq 2 also opened 9 vertical feet of Kuparuk reservoir sand for the commingled production test discussed above. Oil gravity from Nanuq 2 and CD1-229 measured 40 and 41 degrees API, respectively.

Orig. Oil in Place: Not Reported

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	19,582	0	299,846	0
2001 Total	0	0	0	0
2002 Total	0	0	0	0
2003 Total	0	0	0	0
2004 Total	270	0	1,374	0
2003 Daily Rate	0	0	0	0
2004 Daily Rate	1	0	4	0
Change (%)	-	0	-	0



AOGCC Pool Statistics

Endicott Unit, Eider Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 July 2005

Page: 1 > 2 > 3

Operator: BP Exploration (Alaska) Inc.
Discovery Well: BP Exploration (Alaska) Inc.
Duck Island Unit MPU 2-56/EID
Permit #198-024
API No. 50-029-22863-00-00
Sec. 36, T12N, R16E, UM
Depth: 17,988' MD / 10,006' TVD
May 28, 1998

Status: **Producing**
Location: **Central Arctic Slope** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

The Eider oil pool was discovered in 1998 by the Duck Island Unit MPI 2-56/EID well. This pool is located 1-1/2 miles offshore in the westernmost portion of the Duck Island Unit, and it consists of an oil accumulation below a gas cap within the Ivishak Formation. The pool was delineated by two wells, DIU MPI 2-56A/EID and DIU MPI 2-30A, which have 5 additional sidetracks or plugbacks. Two development wells are located within the pool, DIU MPI 2-56A/EID and DIU MPI 2-30A/E12. Initial production began from 2-56A/EID in June 1998, and averaged 1,850 bopd through December 1998. In January 1999, 2-30A/E12 was brought online. Production immediately jumped to 6,244 bopd in February 1999, but then declined rapidly to 1,189 bopd by September 1999, and the pool was shut in from October 1999 through May 2000. In June of 2000, 2-56A/EID was converted to a water injector, and production was restarted, relying on a single producer, 2-30A/E12. Production peaked in July 2001 at 2,254 bopd, and then declined to about 600 bopd in May 2004. During July 2004, 2-56A/EID was converted to production again, but during the last half of 2004, production from both wells averaged less than 100 bopd.

Geology: The Eider oil pool is situated in a fault-controlled anticline that is truncated by the Lower Cretaceous unconformity. The accumulation occupies about 300 acres. Within the pool, the Ivishak Formation consists of three regressive, stratigraphic units: the Lower Sand comprising upper shoreface or marine influenced fluvial and distributary sands, the Middle Shale comprises floodplain or bay fill, and Upper Sand that consisting of mostly fluvial sediments. The Lower Sand ranges from 80' to 125' thick, and averages 21% porosity and 30 md permeability. The Middle Shale is 75' to 90' thick and has average porosity and permeability values of 20% and 300 md, respectively. The Upper Sand ranges from 60' to 125' in thickness, has average porosity of 20%, and average permeability of 300 md. Faulting and fracturing causes these three stratigraphic units to be in pressure communication. API oil gravity ranges from 23.1 to 23.8 degrees, and original oil-in-place (OOIP) is estimated at 13.2 million barrels.

[Strat Column](#) [Type Log](#)

Orig. Oil in Place: 13.2 MMSTB (CO 449)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	2,686,972	0	23,323,028	3,183,376
2001 Total	660,495	0	6,493,705	70,401
2002 Total	422,355	0	3,657,804	729,914
2003 Total	242,135	0	2,813,008	1,034,711
2004 Total	114,809	0	929,983	1,299,926
2003 Daily Rate	663	0	7,707	2,834

2004 Daily Rate	315	0	2548	3561
Change (%)	-52%	0	-67%	26%

Continued: 1 > 2 > 3



AOGCC Pool Statistics

Endicott Unit, Endicott Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics: Updated 3 May 2005

Page: 1 > 2 > 3

Operator: BP Exploration (Alaska) INC.

Discovery Well: Sohio

Sag Delta 34633 No. 4

Permit #177-015

API No. 50-029-20245-00-00

Sec. 35, T12N, R16E, UM

Depth: 12,855' MD / 10,895' TVD

March 13, 1978

Status: **Producing**

Location: **Central Arctic Slope** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary: The Endicott Oil Pool ("Endicott") is located in the Beaufort Sea, about 8 miles east of Prudhoe Bay Unit ("PBU"). It was discovered in 1978 by the Sohio Alaska Petroleum Company Sag Delta No. 4 well and confirmed in 1979 by Duck Island No. 1, which encountered 358' of gross oil pay and 67' of gross gas pay within the Kekiktuk Formation ("Kekiktuk"). This pool has been developed from two artificial, gravel islands that are located approximately 4 miles offshore in 2- to 14-feet of water. These islands connected by a 1-1/2 mile long gravel causeway. The northern portion of the pool is produced mainly from the Main Production Island ("MPI"), and the southern portion of the pool is produced mainly from the Satellite Development Island ("SDI"). Continuous production began in July 1986. During the peak production years from November 1987 and October 1993, Endicott averaged about 104,250 barrels of oil per day ("BOPD"). Between November 1993 and March 1995, production dropped to an average of 94,400 BOPD. From April 1995 to February 2001, production declined steadily at an average annual rate of about 18% (from 93,450 to 30,450 BOPD). From March 2001 and April 2004, oil production averaged approximately 25,000 BOPD, but during the last 8 months of 2004, production from Endicott declined to 17,600 BOPD. MPI has yielded approximately 59% of the oil recovered to date from this pool. The pool is developed on 40-acre spacing.

Geology: The Endicott Oil Pool is defined as the accumulation of hydrocarbons common to and correlating with the interval between 11,496' and 12,812' measured depths in the Sag Delta No. 4 well. It occurs in Mississippian-aged, fluvial sediments. The pool is trapped by a combination of structural and stratigraphic elements within a large, northwest-southeast trending fault block that dips toward the northeast. Normal faults border the accumulation to the north and southwest. Structural dip limits the field to the southeast. Upper confinement for the accumulation is provided by the Kayak Shale-Itkilyariak Formation and, in the northeastern portion of the pool, by the Lower Cretaceous Unconformity. The pool is broken by several minor faults that are subparallel to the major bounding faults. One of these faults, termed the Mid-Field Fault, is sealing, and it divides the reservoir into two parts: a northern field area that is produced mainly from the Main Production Island ("MPI"), and a southern area, which is produced mainly from the Satellite Development Island ("SDI"). Three lithostratigraphic units are defined within the Kekiktuk Formation. They are, in ascending order, Zone 1, Zone 2 and Zone 3, and they have an aggregate thickness of up to 1,200'. Zone 1 consists mainly of the shale, coal and siltstone deposited in floodplain, swamp and lacustrine environments. Associated sand bodies have very limited continuity. Zone 2 contains very porous and permeable, laterally continuous, medium-grained reservoir sandstone primarily deposited in low-sinuosity, coalescing braided channels that extend across the entire reservoir. Associated, locally continuous shales within Zone 2 were deposited in lacustrine environments. Zone 3 consists of fine-to medium-grained sandstone occurring in stacked point-bar channels deposited in a high-sinuosity, fluvial environment. These stacked channel sands are lenticular, and are interspersed with equal amounts of shale, siltstone and coal, which accumulated in between the fluvial channels. A gas-oil contact occurs at about 9,855' true vertical depth subsea ("TVDss"), and an oil-water contact occurs at approximately 10,190' TVDss. The areal extent of the hydrocarbon accumulation is about 8,600 acres. During 1991, oil-in-place and gas-in place were estimated to be 1.1 billion barrels, 400 BCF of gas in the gas cap, and 800 BCF of gas in solution.

[Structure Map](#)
[Strat Column](#)

Orig. Oil in Place: 1.1 Billion STB (CO 202 Testimony; Adamson and others, 1991)
Orig. Gas in Place: 400 Billion SCF gas-cap in place, 800 BCF solution gas (Adamson and others, 1991)
Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	427,236,639	20,375,342	1,824,601,914	733,762,342
2001 Total	9,636,814	1,324,321	134,122,209	69,056,839
2002 Total	8,508,940	1,202,377	134,692,614	73,985,954
2003 Total	9,104,149	1,188,955	141,555,553	76,212,420
2004 Total	7,367,913	971,260	130,206,232	72,337,965
2003 Daily Rate	24,942	3,257	387,823	208,801
2004 Daily Rate	20,186	2,661	356,729	198,186
Change (%)	-19%	-18%	-8%	-5%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Endicott Unit, Ivishak Oil Pool

Operator: BP Exploration (Alaska) INC.

Discovery Well: Sohio

Sag Delta 34633 No. 4

Permit #177-015

API No. 50-029-20245-00-00

Sec. 35, T12N, R16E, UM

Depth: 12,855' MD / 10,895' TVD

March 13, 1978

Status: **Producing**

Location: **Central Arctic Slope** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary:

The Ivishak Oil Pool of the Endicott Field ("EIOP") lies beneath the Beaufort Sea and within the Duck Island Unit, about 8 miles east of Prudhoe Bay Unit ("PBU"). The Sag Delta No. 9 exploratory discovered this pool in 1982 well. This pool is the accumulation of hydrocarbons that is common to, and correlates with, Sag Delta No. 9 between the measured depths of 12,069' and 12,314'. The EIOP has been developed from the Main Production artificial island that is located approximately 4 miles offshore in 2 to 14 feet of water. The pool has been producing continuously since July 1989. During the peak production years from November 1990 and November 1991, EIOP production ranged from 12,308 to 5,005 barrels of oil per day ("BOPD"), and averaged about 7,270 BOPD. Between December 1991 and June 1993, production dropped to an average of 2,650 BOPD. Since July 1993, production has slowly declined. During 2004, the EIOP averaged 83 BOPD from two production wells.

Geology: The pool encompasses reservoirs assigned to the Triassic-aged Ivishak Formation, which is a member of the Sadlerochit Group. This formation was deposited in a marine shoreface environment. The pool is bounded to the south by a major fault and there appears to be numerous smaller faults within the accumulations. The pool encompasses an area of approximately 380 acres, and it appears to be separate from other, nearby accumulations based on pressure measurements and oil gravity. The base of the Ivishak oil column appears to be planar, and is underlain by a tar mat, which separates the oil from the underlying aquifer. No gas cap has been observed. Oil gravity averages 25° API within the pool. The temperature is 212°F at 10,000 feet true vertical depth. Original oil in place is estimated to be approximately 14 million stock tank barrels (STB).

[Structure Map](#) [Strat Column](#) [Type Log](#)

Orig. Oil in Place: 14 MMSTB (Conservation Order 275)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	7,947,905	111,483	6,507,571	31,244,673
2001 Total	141,785	947	93,232	2,512,499
2002 Total	144,879	953	95,579	2,562,549
2003 Total	91,649	604	64,026	1,865,081
2004 Total	30,247	150	19,827	729,358
2003 Daily Rate	251	2	175	5,110
2004 Daily Rate	83	.41	54	1998
Change (%)	-67%	-80%	-69%	-61%

AOGCC Pool Statistics

Granite Point Field, Hemlock Undefined Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 July 2005

Page: 1 > 2 > 3

Operator: Union Oil Company of California

Discovery Well: Mobil Oil Corp
Granite Point No. 1
Permit #165-002
API No. 50-733-10059-00-00
Sec. 13, T10N, R12W, SM
Depth: 11,565' MD / 11,509' TVD
June 9, 1965

Status: Producing

Location: Western Cook Inlet [Area Location Map](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	1,964,228	0	2,000,505	126,177
2001 Total	59,725	0	98,939	11,608
2002 Total	44,451	0	47,803	10,712
2003 Total	41,217	0	54,336	14,745
2004 Total	66,150	0	61,709	22,590
2003 Daily Rate	113	0	149	40
2004 Daily Rate	181	0	169	62
Change (%)	60%	0	13%	55%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Granite Point Field, Mid Kenai Oil Pool

Operator: Union Oil Company of California

Discovery Well: Mobil Oil Corp
Granite Point No. 1
Permit #165-002
API No. 50-733-10059-00-00
Sec. 13, T10N, R12W, SM
Depth: 11,565' MD / 11,509' TVD
June 9, 1965

Status: **Producing**

Location: **Cook Inlet - Offshore** [Area Location Map](#) [Field Location Map](#)

Orders: [Complete List](#)

Summary: Discovered in 1965, this non-unitized oil pool is located on the western side of Cook Inlet, about 1/2 to 5 miles offshore. The field lies within a north-northeast trending, asymmetric anticline that is approximately 8 miles long and 1 mile wide. The east flank of the anticline dips about 25 degrees to the east and the west flank dips from 60 to 80 degrees toward the west. To develop the pool, the Anna, Bruce and Granite Point Platforms were installed during 1966 in water ranging from 62 to 77 feet deep. Regular production began in March of 1967, and waterflood was initiated during 1971.

Geology: The Granite Point Middle Kenai Oil Pool is defined as the accumulation common to, and correlating with, that found in the Mobil Granite Point No. 1 well between 7,725 and 10,800 feet measured depth. The productive sandstone and conglomerate layers within the pool are assigned to the "C" zone of the lower Tyonek. These layers were deposited in braided streams during the Oligocene to Miocene. Individual reservoir layers vary in thickness from 10 to 100 feet. Net pay for the pool averages about 250 feet. Porosity of the reservoir averages 14 percent, and permeability averages 10 millidarcies. Middle Kenai oil gravity ranges from 41 to 44 degrees API.

[Structure Map](#) [Strat Column](#) [Type Log](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	139,780,598	0	124,385,968	16,657,779
2001 Total	1,560,415	0	1,687,890	552,459
2002 Total	1,482,954	0	1,509,992	465,708
2003 Total	1,399,265	0	1,232,872	248,636
2004 Total	1,363,073	0	1,225,409	211,651
2003 Daily Rate	3,834	0	3,378	681
2004 Daily Rate	3,734	0	3,357	580
Change (%)	-3%	0	-1%	-15%

AOGCC Pool Statistics

Katalla Field, Katalla Oil Pool

Operator: Alaska Crude Corp
Discovery Well: Alaska Development Company
No. 1
Permit #100-057
API No. 50-069-10004-00-00
Sec. 36, T19S, R05E, CM
Depth: 500' MD / 500' TVD
1902

Status: Inactive
Location: Southeast Alaska [Area Location Map](#) [Field Location Map](#)
Orders: None
Summary:

The Katalla Oil Field lies 2-1/2 miles east of the village of Katalla and 50 miles southeast of Cordova. It was the first commercial oil development in Alaska, with first production reportedly occurring in 1902. Prior to 1931, forty-four wells were reportedly drilled in the area. Of these, twenty-eight wells lay within the Katalla field, and 18 were produced. A small refinery was built approximately 1 mile northwest of the field, and it operated from 1911 until 1933. A total of 154,000 barrels were produced and sold locally, but on Christmas Day, 1933 the refinery burned and was never rebuilt. During 1961, Richfield Oil Corporation drilled the Bering Unit No. 1 and No. 2 wells, which are located about 9 miles to the east and northeast. Both wells were drilled slightly deeper than 6,000' measured depth, then plugged and abandoned. During 1969, Panoil Company began drilling the Katalla State No. 1 exploratory well in Katalla Bay. The well was drilled to a depth of 426', casing was run to 422' and cemented, when the drilling crew noted numerous failures in the structural members of the barge. The well was plugged and abandoned, and the casing was cut off 6' below the mud line. In 1985 and 1986, Alaskan Crude Corporation drilled the Katalla KS-01 exploratory well to a depth of 1,838'. That well remains shut-in. Under the 1982 "Chugach Natives, Incorporated Settlement Agreement," Chugach Alaska Corporation was granted exclusive right to all the oil and gas in the Katalla Oil and Gas area until midnight, December 31, 2004. At that time, the land is scheduled to revert to the United States, unless a well capable of producing in paying quantities has been completed.

Geology: Oil and gas seeps occur along the Gulf of Alaska coastline. These seeps were undoubtedly discovered by local Native inhabitants, but Tom White is credited with the discovery of oil at Katalla in 1896. Most of the wells in the Katalla district, including the discovery well, were drilled on oil seeps or near other producing wells. Wells in the field appear to have produced from fractured sandstone and siltstone within the shaley middle part of the Katalla Formation, at depths ranging from 360' to 1,750'. Comparable zones of fractured rocks along faults or folds elsewhere in the Katalla district appear to offer the best possibilities for accumulations of oil in quantity equal to or larger than the Katalla oil field. Most of the known anticlines are of small amplitude, are tightly compressed, and lack structural closure. (USGS Open File Report 50 p. 63-64 and USGS Open File 75-508).

List of Wells

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	154,000	0	0	0
2001 Total	0	0	0	0
2002 Total	0	0	0	0
2003 Total	0	0	0	0
2004 Total	0	0	0	0

2003 Daily Rate	0	0	0	0
2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	0

Continued: 1 > 2 > 3

Operator: ConocoPhillips Alaska, Inc.
Discovery Well: Sinclair Oil Corp
Sinclair BP-Ugnu No. 1
Permit #168-111
API No. 50-029-20009-00-00
Sec. 22, T12N, R09E, UM
Depth: 9,428' MD / 9,428' TVD
April 7, 1969

Status: **Producing**
Location: **Central Arctic Slope** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

The Kuparuk River Oil Pool was discovered in 1969 by the Sinclair Ugnu No. 1 well. This pool is the second largest on the Arctic Slope of Alaska, occupying approximately 500 square miles. It is defined as the accumulation of oil that is common to, and correlates with, the accumulation found in the ARCO West Sak River State No. 1 well between the measured depths of 6,474 and 6,880 feet. The pool lies from approximately 5,600' to 6,500' true vertical depth subsea. Kuparuk oil has an average API gravity of 24 degrees. Step-out exploratory drilling of the Palm #1 and #1A wells in during 2001 discovered an extension of the pool to the west of the main pool. This discovery added 74 million barrels of original oil in place ("OOIP"). OOIP for the entire pool is estimated at 5 billion STB. Regular production from the pool began in December of 1981, and waterflood operations were initiated in February 1982. Production from the pool peaked in December 1992 at an average of 339,386 barrels of oil per day ("BOPD"), and has steadily declined to its current level of 144,350 BOPD from 461 production wells in December 2004.

Geology: The Kuparuk River Formation is a sequence of clastic sediments deposited on a shallow marine shelf during Neocomian (Early Cretaceous) time. The formation is divided into Upper and Lower Members. These two Members are comprised of four informal units that are termed, in ascending order, "A", "B", "C", and "D". The "A" and "C" units are the pay-bearing intervals. The A unit exists throughout the pool area, and it consists of sandstone, siltstone and mudstone in a series of regressive cycles that range to 70' thick. When mapped in detail, these individual cycles form elongate bodies that strike northeast-southwest. Porosity averages 23% and permeability averages about 80 md. The A unit thins to the west where it is truncated by an intraformational unconformity that lies at the base of the C unit. The C Unit is composed of glauconitic sandstone and siltstone with subordinate conglomerate and lesser shale. Bands of siderite-cemented sandstone are common. Porosity and permeability average 21% and 90 md, respectively. Throughout the Kuparuk River Unit, C-unit sand deposition appears to have been influenced by syndepositional, northwest-trending normal faults.

[Structure Map](#)

[Strat Column](#)

[Type Log](#)

Orig. Oil in Place: 5 Billion STB (Starley and others, 1991, SPE Paper 20045)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	1,971,193,650	3,345,637	2,385,926,663	2,468,909,398
2001 Total	68,265,011	0	105,305,110	209,895,817
2002 Total	58,874,653	0	100,868,259	185,178,061
2003 Total	58,536,233	0	107,454,326	173,652,815
2004 Total	53,197,211	0	101,534,098	188,578,027

2003 Daily Rate	160,373	0	294,395	475,761
2004 Daily Rate	145,746	0	278,176	516,652
Change (%)	-9%	0	-6%	9%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Kuparuk River Unit, Meltwater Oil Pool

Operator: ConocoPhillips Alaska, Inc.

Discovery Well: ARCO Alaska Inc.
Meltwater North No. 1
Permit #200-012
API No. 50-103-20326-00-00
Sec. 20, T08N, R07E, UM
Depth: 6,122' MD / 6,121' TVD
April 26, 2000

Status: **Producing**

Location: **Central Arctic Slope** [Area Location Map](#) [PA Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary:

The Meltwater Oil Pool is located within and adjacent to the current boundaries of the Kuparuk River Unit ("KRU"). This is one of the satellite pools that have been discovered and developed utilizing the infrastructure built to develop the Kuparuk River Oil Pool within the KRU. The pool occurs in the Bermuda Interval ("Bermuda") of the late Cretaceous-aged (Cenomanian-Turonian) Seabee Formation. It was discovered in 2000 by the Meltwater North 1 exploratory well, and delineated by Meltwater 2 and 2A. This pool is defined as the accumulation of hydrocarbons common to, and correlating with, the interval between the 6,785 and 6,974 feet measured depth in the Meltwater North #2A well. It lies between about 4,700' and 5,500' true vertical depth subsea. Bermuda crude oil gravity is 37° API, and original oil in place ("OOIP") within the pool is estimated to be 125 million stock tank barrels of oil ("MMSTB"). No gas cap or water has been encountered within the pool. Meltwater development has been from the KRU 2P-Pad, using wells spaced approximately 10 acres apart. Regular production from the pool began in November 2001 and peaked in May 2002 at 10,863 barrels of oil per day ("BOPD"). In December 2004, production averaged 7,888 barrels BOPD.

Geology: Meltwater is the stratigraphic equivalent to the Tarn oil pool to the north, and both share similar lithology. The Bermuda consists of channel fill and lobate sandstones deposited in a turbidite fan system located on a slope-apron environment below an incised, Cenomanian-age shelf. Reservoir sandstones at Meltwater are fine to very fine-grained, lithic-rich, have common mudstone laminations and interbeds, and average about 20% porosity and 12 millidarcies air permeability. Clay content of the sandstone ranges from 15 to 25%, but the clay minerals occur dominantly as framework grains rather than as matrix. The top of the Bermuda dips approximately 2 to 3 degrees to the east-southeast, and complex faulting occurs along the western (updip) margin of the pool. Hydrocarbons are stratigraphically trapped, and their distribution is controlled by the distribution of sand. Shale filled channel complexes and stratigraphic pinch-outs act as lateral boundaries. Bermuda reservoirs are compartmentalized, primarily due to discontinuous sandstone distribution.

[Strat Column](#)

Orig. Oil in Place: 125 MMSTB (CO 456)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	7,657,769	0	17,140,364	250,433
2001 Total	148,855	0	80,612	41,167
2002 Total	2,901,883	0	4,144,959	43,533
2003 Total	2,124,967	0	5,596,451	32,032
2004 Total	2,480,670	0	7,318,342	133,701

2003 Daily Rate	5,822	0	15,333	88
2004 Daily Rate	6,796	0	20,050	366
Change (%)	17%	0	31%	316%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Kuparuk River Unit, Tabasco Oil Pool

Operator: ConocoPhillips Alaska, Inc.
Discovery Well: ARCO Alaska, Inc.
Kuparuk River Unit 2T-201
Permit #195-122
API No. 50-029-20230-00-00
Sec. 1, T11N, R08E, UM
Depth: 4,175' MD / 3,832' TVD
September 28, 1995

Status: **Producing**
Location: **Central Arctic Slope** [Area Location Map](#) [PA Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

The Tabasco Oil Pool is one of the satellite pools that have been discovered and developed utilizing Kuparuk River Unit ("KRU") infrastructure. The pool was discovered in 1986 during development drilling of the underlying Kuparuk River Oil Pool from the KRU 2T-Pad. The Tabasco Sandstone underlies a large portion of the southern and western KRU. Producible hydrocarbons were encountered in the Tabasco Sandstone between 3,352' to 3,599' measured depth ("MD") in the KRU 2T-201 well. The Tabasco pool lies at approximately 3,000' true vertical depth subsea ("TVDSS"), about 300' to 400' below the West Sak sands. Tabasco oil has an API gravity of 16 degrees, and it is highly viscous (253 centipoise). No definitive oil-water contacts have been delineated within pool. Original oil in place ("OOIP") for the 2T-Pad area is projected at 48 to 131 million barrels of oil ("MMSTB"). A small gas cap of about 32 acres occurs in the 2T-201 area, with the gas-oil contact at 2,915' TVDSS. The gas cap contains an estimated 100 MMSCF of gas in place, but is not expected to have a major impact on reservoir performance. Regular production began in April of 1998. Production peaked in May 1999 at an average of 7,913 barrels of oil per day ("BOPD"), and declined to 5,227 BOPD in December 2004.

Geology: The Tabasco Sandstone is an informal member of the Late Cretaceous-aged (Campanian) Schrader Bluff Formation. It was deposited near a shelf margin as a prograding sequence of deltaic to near shore marine sediments. The sandstone is discontinuously distributed over a broad region, with sand thickness generally most significant along the shelf margin. Large-scale slumping and erosion are common. Two lithologies are present: a discontinuous thin-bedded sandstone facies with shale interbeds and an overlying amalgamated sandstone facies. The thin-bedded sandstone facies is more widespread; its gross interval thickness is about 80' to 400'. The amalgamated sandstone facies ranges in thickness between 45' to 350' thick. The transition between the two facies is abrupt. Porosity ranges from 17 to 22% and averages 20%. Log water saturation ranges from 17 to 60%, with 20 to 25% representative of the 2T-Pad area. Pressure transient permeability ranges from 3 to 100 Darcies. The Tabasco structure is a monocline, dipping east to northeast and striking north to northwest in the western portion of the KRU and east to southeast in the southern portion. The hydrocarbon-trapping mechanism is a combination of stratigraphic and structural elements. The Tabasco accumulation is cut by a series of north-south and east-west normal faults, with throws typically ranging between 10' to 50' and maximum throws to 100'. Oil distribution appears controlled by the stratigraphic distribution of reservoir sands.

[Strat Column](#)

Orig. Oil in Place: 48 to 131 MMSTB (CO 435)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	9,735,474	0	1,328,980	26,189,706

2001 Total	1,317,558	0	180,047	4,357,006
2002 Total	1,089,001	0	158,610	5,408,990
2003 Total	1,541,615	0	187,877	4,864,655
2004 Total	1,472,323	0	182,459	5,749,828
2003 Daily Rate	4,278	0	515	13,328
2004 Daily Rate	4,034	0	500	15,753
Change (%)	-6%	0	-3%	18%

Continued: 1 > 2 > 3

Operator: ConocoPhillips Alaska, Inc.
Discovery Well: ARCO Alaska Inc.
Bermuda No. 1 (KRU 36 10-7/1)
Permit #191-001
API No. 50-103-20149-00-00
Sec. 36, T110N, R07E, UM
Depth: 6,750' MD / 6,747' TVD
February 3, 1991

Status: **Producing**
Location: **Central Arctic Slope** [Area Location Map](#) [PA Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

The Tarn Oil Pool lies within the Kuparuk River Unit ("KRU"), and it is defined as the accumulation of hydrocarbons common to and correlating with the intervals between the measured depths of 4376' and 5990' interval in the Bermuda #1 well (KRU 36 10-7/1). Original oil in place ("OOIP") in the Bermuda and Cairn intervals is estimated to be is about 136 million barrels. Waterflood operations were not undertaken because of potential reservoir damage, unfavorable reservoir permeability and poor water mobility characteristics. Regular production began from the pool in July 1998. Development has been from the KRU 2N-Pad, supplemented from the 2L-Pad. Well spacing within the pool is 10 acres. In December 2004, production from the pool averaged 24,430 barrels of oil per day: 21,390 BOPD from 20 wells on 2N-Pad and 3,040 BOPD from 6 wells on 2L-Pad.

Geology: The Tarn oil pool is composed of five intervals of late Cretaceous-aged marine sandstone with interbedded mudstone intervals that lie within the Seabee Formation. These five intervals are informally termed, from deepest to shallowest, Iceberg, Arete, Cairn, Bermuda, and C30. They share a common depositional environment, have similar lithologic characteristics and fluid compositions. Sand and hydrocarbon distribution within the pool is complex, with variable gross sand percentages within each interval. Not all of the potential reservoir intervals in the pool have been shown to be hydrocarbon bearing, and the primary reservoir intervals are the Bermuda and Cairn. Hydrocarbon distribution is controlled by sand distribution, with updip stratigraphic seal along the western margin of the pool area. The pool is composed of heterogeneous sandstone with shale laminations and interbeds. Sandstone is fine to very fine-grained, framework grains are principally quartz, plagioclase, zeolites, and heterolithic rock fragments. Clay content is high, ranging between 15 and 25%, and occurs primarily in the heterolithic framework of the sandstone. Porosity ranges from 18 to 27%, averages 21%, and is dominantly secondary with common microporosity. Air permeability ranges from 1 to 45 md and averages 10 md. Because of the fine-grain size and high clay content, the reservoir is susceptible to fines migration. The Tarn oil pool structure appears to be a homocline, with easterly dip ranging up to four degrees. Few faults have been found.

[Strat Column](#)

Orig. Oil in Place: 136 MMSTB (CO 430)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	64,603,251	0	91,406,999	7,430,612
2001 Total	8,052,423	0	15,538,323	220,661
2002 Total	12,011,387	0	13,101,272	796,306
2003 Total	12,352,406	0	12,840,177	1,932,758
2004 Total	10,345,466	0	14,278,985	3,398,102

2003 Rate (b/d)	33,842	0	35,179	5,295
2004 Rate (b/d)	28,344	0	39,121	9,310
Change (%)	-16%	0	11%	76%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Kuparuk River Unit, W Sak Oil Pool

Operator: ConocoPhillips Alaska, Inc.
Discovery Well: ARCO Alaska Inc.
West Sak River State No. 1
Permit #171-003
API No. 50-029-20009-00-00
Sec. 2, T11N, R10E, UM
Depth: 10,290' MD / 10,290' TVD
April 26, 1971

Status: **Producing**
Location: **Central Arctic Slope** [Area Location Map](#) [PA Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

The West Sak Oil Pool is located largely within the boundaries of the Kuparuk River Unit ("KRU"), but it laps over into the Milne Point Unit to the NE and extends to the south, beyond the boundary of the KRU. The West Sak Oil Pool is currently developed from four pads (KRU 1B, 1C, 1D, and 1E), and it has produced continuously since December 1997. West Sak oil production within the KRU has climbed steadily from the initial monthly average of 19 barrels of oil per day ("BOPD") to approximately 9,300 BOPD during the first 8 months of 2004. During September 2004, West Sak oil production abruptly jumped to its current level of 17,000 BOPD when several new wells were brought on line. In December 2004, production from the West Sak Pool averaged 17,072 BOPD from 31 wells.

This tremendous pool occurs within the Late Cretaceous-aged Schrader Bluff Formation ("Schrader Bluff"). It is defined as the accumulation of hydrocarbons common to and correlating with the interval between 3,742' and 4,156' measured depths in the West Sak No. 1 well. It lies at depths ranging from about 3,000' to 4,500' true vertical depth subsea. West Sak oil is characterized by biodegradation, with API gravities that vary from 22 degrees in the deeper, eastern part of the KRU to 10 degrees in the shallower western side of the Kuparuk River Unit.

ARCO Alaska Inc. conducted a pilot production test of the West Sak sands from September 1983 to December of 1986. A total of 16 wells were drilled and completed: 9 producers and 7 injectors. The test ultimately produced 755,062 barrels of oil, 326 MCF of gas and 2.12 million barrels of water. During 1986, the pilot test produced at an average daily rate of 821 barrels of oil, 297 MCF gas and 2,966 barrels of water from between 8 and 9 production wells. Original oil in place ("OOIP") within the Kuparuk River Unit is estimated to be is about 15 to 16 billion barrels.

[Strat Column](#) [Type Log](#) [Type Log Data](#)
Orig. Oil in Place: 15 to 16 Billion STB (Petroleum News Alaska, Volume 10, No. 2, p. 11)

Production: [Prod Chart](#) [Prod Report](#) [Prod Spread](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	15,625,750	0	5,257,960	5,181,635
2001 Total	1,997,991	0	428,875	210,106
2002 Total	2,472,498	0	635,063	469,478
2003 Total	2,848,408	0	808,602	766,127
2004 Total	4,280,641	0	2,069,357	1,034,800
2003 Daily Rate	7,804	0	2,215	2,099

2004 Daily Rate	11,696	0	5,654	2,827
Change (%)	50%	0	155%	35%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

McArthur River Field, Hemlock Oil Pool

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Operator: Union Oil Company of California

Discovery Well: Union Oil Company of California

Grayling No. 1-A

Permit #165-025

API No. 50-733-10044-00-00

Sec. 29, T09N, R13W, SM

Depth: 10,227' MD / 10,227' TVD

October 24, 1965

Status: **Producing**

Location: **Cook Inlet Basin** [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#) [Structure Map](#) [Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	533,147,662	7,981,409	213,190,273	794,694,204
2001 Total	3,704,165	0	2,433,066	34,350,242
2002 Total	4,107,963	0	2,004,637	35,164,789
2003 Total	2,856,285	0	1,415,741	34,092,526
2004 Total	2,208,269	0	1,096,272	30,965,941
2003 Daily Rate	7,825	0	3,879	93,404
2004 Daily Rate	6,050	0	3,003	84,838
Change (%)	-23%	0	-23%	-9%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

McArthur River Field, Mid Kenai G Oil Pool

Operator: Union Oil Company of California
Discovery Well: Union Oil Company of California
Grayling No. 1-A
Permit #165-025
API No. 50-733-10044-00-00
Sec. 29, T09N, R13W, SM
Depth: 10,227' MD / 10,227' TVD
October 24, 1965

Status: **Producing**

Location: **Cook Inlet Basin** [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	61,567,870	784,489	33,759,608	64,060,075
2001 Total	1,534,650	0	992,815	4,947,386
2002 Total	1,348,962	0	796,228	5,312,251
2003 Total	1,359,501	0	616,628	6,349,879
2004 Total	1,082,729	0	509,629	6,166,512
2003 Daily Rate	3,725	0	1,689	17,397
2004 Daily Rate	2,966	0	1,396	16,895
Change (%)	-20%	0	-17%	-3%

AOGCC Pool Statistics

McArthur River Field, Undef Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 July 2005

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Operator: Union Oil Company of California

Discovery Well: Union Oil Company of California

Grayling No. 1-A

Permit #165-025

API No. 50-733-10044-00-00

Sec. 29, T09N, R13W, SM

Depth: 10,227' MD / 10,227' TVD

October 24, 1965

Status: **Producing**

Location: **Cook Inlet Basin** [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	332,951	0	175,472	188,772
2001 Total	0	0	0	0
2002 Total	0	0	0	0
2003 Total	0	0	0	0
2004 Total	0	0	0	0
2003 Rate (b/d)	0	0	0	0
2004 Rate (b/d)	0	0	0	0
Change (%)	0	0	0	0

Continued: 1 > 2 > 3

AOGCC Pool Statistics

McArthur River Field, W Foreland Oil Pool

Operator: Union Oil Company of California

Discovery Well: Union Oil Company of California
Grayling No. 1-A
Permit #165-025
API No. 50-733-10044-00-00
Sec. 29, T09N, R13W, SM
Depth: 10,227' MD / 10,227' TVD
October 24, 1965

Status: **Producing**

Location: **Cook Inlet Basin** [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	24,271,270	212,981	8,429,679	26,089,857
2001 Total	132,733	0	71,484	1,229,427
2002 Total	140,084	0	67,483	1,271,015
2003 Total	106,862	0	49,252	1,219,509
2004 Total	82,118	0	28,706	1,045,188
2003 Daily Rate	293	0	135	3,341
2004 Daily Rate	225	0	79	2,864
Change (%)	-23%	0	-41%	-14%

AOGCC Pool Statistics

Middle Ground Shoal Field, A Oil Pool

Operator: XTO Energy Inc. & UNOCAL

Discovery Well: Pan American Petroleum Corp.
MGS State 17595 No. 1
Permit #162-007
API No. 50-733-10067-00-00
Sec. 19, T09N, R12W, SM
Depth: 5,216' MD / 5,216' TVD
June 10, 1962

Status: **Producing**

Location: **Cook Inlet Basin** [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	2,838,227	0	5,322,225	3,146,841
2001 Total	42,120	0	62,172	148,332
2002 Total	30,738	0	67,938	141,719
2003 Total	13,908	0	27,915	59,624
2004 Total	0	0	0	0
2003 Daily Rate	38	0	76	163
2004 Daily Rate	0	0	0	0
Change (%)	-	0	-	-

AOGCC Pool Statistics

Middle Ground Shoal Field, B,C & D Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 14 July 2005

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Operator: XTO Energy Inc. & UNOCAL

Discovery Well: Pan American Petroleum Corp.
MGS State 17595 No. 1
Permit #162-007
API No. 50-733-10067-00-00
Sec. 19, T09N, R12W, SM
Depth: 5,216' MD / 5,216' TVD
June 10, 1962

Status: **Producing**

Location: **Cook Inlet Basin** [Area Location Map](#) [Pool Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	12,010,325	0	8,797,239	5,509,414
2001 Total	27,833	0	65,002	71,753
2002 Total	15,907	0	49,986	60,946
2003 Total	9,941	0	21,885	27,673
2004 Total	1,590	0	943	1,357
2003 Daily Rate	27	0	60	76
2004 Daily Rate	4	0	3	4
Change (%)	-85%	0	-95%	-95%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Middle Ground Shoal Field, E,F & G Oil Pool

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Operator: XTO Energy Inc. & UNOCAL

Discovery Well: Pan American Petroleum Corp.
MGS State 17595 No. 1
Permit #162-007
API No. 50-733-10067-00-00
Sec. 19, T09N, R12W, SM
Depth: 5,216' MD / 5,216' TVD
June 10, 1962

Status: **Producing**

Location: **Cook Inlet Basin** [Area Location Map](#) [Pool Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	176,897,292	0	77,987,560	99,265,041
2001 Total	1,962,054	0	658,374	2,073,835
2002 Total	1,912,720	0	613,474	1,946,621
2003 Total	1,489,963	0	457,334	565,494
2004 Total	1,320,948	0	413,969	668,064
2003 Daily Rate	4,082	0	1,253	1,549
2004 Daily Rate	3,619	0	1,134	1,830
Change (%)	-11%	0	-9%	18%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Milne Point Unit, Kuparuk Oil Pool

Operator: BP Exploration (Alaska) Inc.

Discovery Well: Standard Oil of California
Kavearak Pt #32-25
Permit #169-051
API No. 50-029-20028-00-00
Sec. 25, T13N, R10E, UM
Depth: 9,799' MD / 9,799' TVD
August 6, 1969

Status: **Producing**

Location: **Central Arctic Slope** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary:

The Kuparuk River Oil Pool at Milne Point was discovered in 1969, and it was delineated and then developed by Conoco, Inc. beginning in 1980. Currently, 231 well bores penetrate the pool. Regular production began during November 1985, but low oil prices caused Conoco to curtail production and place the pool in a two-year “warm shut-down” that began in January 1987. Production resumed in April 1989, peaked twice at an average rate of about 20,000 barrels of oil per day (“bopd”) in January 1990 and again in April of 1991, then declined to a rate of about 17,000 bopd by year-end 1993. In early 1994, BP became operator of the Milne Point Unit and began an aggressive development program. By June 1996, production jumped to 43,000 bopd with the addition of the F-Pad development at Heald Point along the northern coastline and the K-Pad development in the southeast portion of the unit. Production peaked at 52,900 bopd in July 1998, and has since declined to its present level of slightly over 30,000 bopd. The field is developed on 160-acre spacing.

Geology: At Milne Point, the Kuparuk reservoir consists of a series of sandstones deposited on a shallow marine shelf during the Early Cretaceous (Neocomian). The Kuparuk River Oil Pool is defined as the accumulation of oil common to and correlative with the accumulation found in the ARCO West Sak River State No. 1 well between the depths of 6,474 and 6,880 feet. The reservoir is divided into four informal units that are named, in ascending order, "A", "B", "C" and "D." The A unit consists of very fine-grained sandstone, and the B unit comprises interlaminated siltstone and sandstone. The C unit is composed of mainly of fine to medium-grained sandstone, with the overlying D unit consists of shale. The "A" and "C" units are the major pay intervals within the Milne Point Unit. The pool is situated mainly in the northeastern half of the Milne Point Unit, within crest and northeastern flank of a northwest-trending anticline that is broken near its crest by a series of northwest- trending, normal faults. The pool is further compartmentalized by numerous northeast-trending normal faults. According to operator supplied reservoir statistics, porosity averages 23 percent, and permeability ranges from 20 to 40 md. Oil gravity ranges from 21 to 26 degrees API, and averages 22 degrees API.

Production: [Structure Map](#) [Strat Column](#) [Type Log](#)
[Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	180,286,397	0	91,491,969	137,291,909
2001 Total	15,273,223	0	8,630,993	14,331,750
2002 Total	13,313,930	0	7,054,030	14,907,662
2003 Total	11,602,243	0	5,337,142	15,669,595
2004 Total	10,996,052	0	6,533,785	17,653,975
2003 Daily Rate	31,787	0	14,622	42,929

2004 Daily Rate	30,126	0	17,956	48,367
Change (%)	-5%	0	23%	13%

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Operator: BP Exploration (Alaska) Inc.
Discovery Well: Standard Oil of California
Kavearak Pt #32-25
Permit #169-051
API No. 50-029-20028-00-00
Sec. 25, T13N, R10E, UM
Depth: 9,799' MD / 9,799' TVD
August 6, 1969

Status: **Producing**
Location: **Central Arctic Slope** [Area Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

The Sag River Oil Pool lies within the Milne Point Unit ("MPU"), and it is defined as the accumulation of hydrocarbons common to and correlating with the interval between the measured depths of 8,810' and 8,884' in the MPU A-01 well. Regular production from the pool began in 1995. Three wells and 3 sidetracked wellbores were drilled to develop the pool: 1 producer from MPU C-Pad, 1 sidetracked producer from MPU E-Pad, 3 wellbores from MPU F-Pad (1 producer, 1 sidetracked producer, and 1 sidetracked injector), and 1 producer from MPU K-Pad. Well spacing is approximately 40 acres. Since 2002, only 1 wellbore within the pool has been on production (MPU F-33A). Water-alternating-gas injection began in MPU F-73A during July 2002 in support of MPU F-33A, but was halted in May 2004. During 2004, monthly production from the pool averaged 173 barrels of oil per day, 109 thousand cubic feet of gas per day and 186 barrels of water per day.

Geology: Within the pool, the Sag River consists of late Triassic to early Jurassic-aged, thin marine shelf sediments. At Milne Point, the Sag River is divided into four laterally extensive sub-zones that are named, from deepest to shallowest, A through D. The zones are fairly uniform in thickness and have similar reservoir properties. Zone D is non-reservoir siltstone and shale at the top of the Sag River; its average gross thickness is about 21 feet. Zone C is the uppermost sandstone interval. It is generally non-reservoir with porosity to 17%, permeability to 2.9 millidarcies, and an average gross thickness of 10 feet. Zone B is the primary reservoir interval, with porosity to 21%, permeability to 23 millidarcies, and an average gross thickness of 30 feet. Zone A is the basal sandstone unit, which unconformably overlies the Shublik Formation. At Milne Point, it is composed almost entirely of non-reservoir sandstone, with porosity to 18%, permeability to 1.2 millidarcies, and an average gross thickness of about 16 feet. The moderate to good porosity and poor permeability observed in zones A through C are the result of bioturbation and diagenesis. The trapping mechanism observed in the pool is predominately structural, consisting of three-way anticlinal closures sealed against the downthrown side of faults, with throws generally greater than 50 feet. Within the MPU development area, an orthogonal fault pattern segments the oil accumulation into three known equilibration regions, with known oil-water contacts at 9,150', 9,050', and 8,950' true vertical depth subsea. Oil gravity in the Sag River is about 39 degrees API. Original oil in place ("OOIP") for the pool is estimated to be is about 62 million barrels.

[Strat Column](#)

Orig. Oil in Place: 62 MMSTB (CO 423 Order)
Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	1,589,010	0	1,595,848	1,414,010
2001 Total	248,017	0	227,643	3,738

2002 Total	129,943	0	179,126	2,838
2003 Total	101,470	0	121,173	0
2004 Total	47,771	0	27,750	1,487
2003 Daily Rate	278	0	332	4
2004 Daily Rate	131	0	76	0
Change (%)	-53%	0	-77%	-

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Operator: BP Exploration (Alaska) Inc.

Discovery Well: Standard Oil of California
Kavearak Pt #32-25
Permit #169-051
API No. 50-029-20028-00-00
Sec. 25, T13N, R10E, UM
Depth: 9,799' MD / 9,799' TVD
August 6, 1969

Status: **Producing**

Location: **Central Arctic Slope** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary: The Schrader Bluff Oil Pool at Milne Point was discovered in 1969 by the Socal Kavearak Pt. 32-25 well. The pool was initially delineated and then developed by Conoco, Inc. through drilling programs that began in 1989. Currently, more than 400 well bores penetrate the pool. Regular production began during March 1991, peaked at an average rate of 3,700 barrels of oil per day ("bopd") in October 1991, and declined to an average of about 2,850 bopd (about 15% of MPU production) by mid-1993. In early 1994, BP became operator of the Milne Point Unit ("MPU") and began an aggressive development program. By June 1996, development drilling at E-Pad and additional wells at H- and J-Pads caused production to increase steadily until it reached 12,000 bopd in April 2002. During September 2002, BP's extensive S-Pad development began production, and Schrader Bluff production immediately jumped to 20,000 bopd. Production from the pool peaked at 23,922 bopd in October 2003, and it currently averages about 20,650 bopd, or about 40% of current MPU production. The Schrader Bluff Oil Pool is developed on 10-acre spacing.

Geology: The Schrader Bluff Oil Pool ("SBOP") was originally defined in the Milne Point Unit ("MPU") A-1 well. However, a more typical and representative section for the pool lies between 4,100 and 4,726 feet measured depth in MPU G-1. The pool occurs within the Schrader Bluff Formation, which was deposited in the Late Cretaceous (Maastrichtian). At Milne Point, the Schrader Bluff is divided into two stratigraphic intervals designated, from oldest to youngest, the "O-sands" and the "N-sands." The O-sands consist of very fine to fine-grained sandstone interbedded with siltstone and mudstone that were deposited under shallow marine conditions in the distal portion of a delta. The overlying N-Sands were deposited within a muddy marine shelf system. Mudstone and siltstone dominate the lower portion of this interval, but the sediments coarsen upward, becoming fine to medium grained sandstone that dominates the upper part of the N-Sand interval. The SBOP occurs within a homocline that dips 1 to 2 degrees to the east-northeast, and lies between 3,400 and 5,200 feet true vertical feet below sea level. NW and NE-trending faults compartmentalize the pool. Reservoir intervals average 28% in porosity and 171 md in permeability. Total estimated original oil in place ("OOIP") for the SBOP at Milne Point ranges from 1.25 to 2 billion barrels, with an estimated solution gas in place of between 1.3 to 2.1 billion cubic feet. Within the S-Pad area, the current OOIP estimate for both N and O sands ranges from 247 to 363 million barrels.

[Structure Map](#) [Strat Column](#) [Type Log](#)

Orig. Oil in Place: 1.25 to 2 Billion Stock Tank Barrels (CO 477)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)

Cumulative	38,126,257	0	23,914,295	14,897,547
2001 Total	3,817,721	0	2,380,330	1,587,789
2002 Total	5,218,897	0	3,117,113	1,720,288
2003 Total	7,001,109	0	6,095,224	2,403,942
2004 Total	7,692,957	0	5,107,503	3,635,914
2003 Daily Rate	19,181	0	16,699	6,586
2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	0

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AOGCC Pool Statistics

Milne Point Unit, Tertiary Undef WTR Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 21 July 2005

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Operator: BP Exploration (Alaska) Inc.

Discovery Well: Standard Oil of California
Kavearak Pt #32-25
Permit #169-051
API No. 50-029-20028-00-00
Sec. 25, T13N, R10E, UM
Depth: 9,799' MD / 9,799' TVD
August 6, 1969

Status: Producing

Location: Central Arctic Slope

Production:

[Area Location Map](#)

[Unit Location Map](#)

[DNR Unit Map](#)

[Prod Report](#)

[Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	0	0	0	185,867,591
2001 Total	0	0	0	15,953,842
2002 Total	0	0	0	15,841,527
2003 Total	0	0	0	13,675,887
2004 Total	0	0	0	13,808,808
2003 Daily Rate	0	0	0	37,468
2004 Daily Rate	0	0	0	37,832
Change (%)	0	0	0	1%

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Milne Point Unit, Ugnu Undef WTR Pool

Page: 1 > 2 > 3

August 6, 1969

Prod Data

Continued: $1 > 2 > 3$

AOGCC Pool Statistics

Milne Point Unit, Ungu Oil Pool

Operator: BP Exploration (Alaska) Inc.
Discovery Well: Standard Oil of California
Kavearak Pt #32-25
Permit #169-051
API No. 50-029-20028-00-00
Sec. 25, T13N, R10E, UM
Depth: 9,799' MD / 9,799' TVD
August 6, 1969

Status: **Producing**

Location: **Central Arctic Slope** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	16,746	0	3,370	0
2001 Total	0	0	0	0
2002 Total	0	0	2,000	0
2003 Total	2,212	0	242	0
2004 Total	14,534	0	1,128	0
2003 Daily Rate	6	0	1	0
2004 Daily Rate	40	0	3	0
Change (%)	567%	0	200%	0

AOGCC Pool Statistics

Northstar Unit, Northstar Oil Pool

Operator: BP Exploration (Alaska) INC.
Discovery Well: Shell Western E&P INC.
Seal Island BF-47 No. 1
Permit #183-074
API No. 50-029-20954-00-00
Sec. 02, T13N, R13E, UM
Depth: 14,541' MD / 12,461' TVD
January 30, 1984

Status: **Producing**
Location: **Arctic Ocean** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

Northstar Island is a five-acre, man-made island located in the Beaufort Sea, 12 miles northwest of Prudhoe Bay and 6 miles offshore. Discovered by the Shell Island BF-47 No. 1 exploration well in 1984, construction of the development island began during the winter of 1999-2000, and the first production modules were installed during 2000. Northstar is connected to onshore processing facilities by a pipeline that is buried 7 to 11 feet below the seafloor to avoid ice impacts. This pipeline has a wall thickness triple those of typical onshore North Slope pipelines, and three separate leak detection systems. Regular production began in November 2001, and climbed rapidly, regularly exceeding 50,000 barrels of oil per day ("BOPD") by June 2002 and 70,000 BOPD by June 2003. During mid-February, 2004, failure of a compressor motor shut down production from Northstar for two weeks, resulting a "loss"(delay) of about 1 million barrels of oil production. For all of 2004, the pool produced at an average rate of 68,700 BOPD. The Northstar development area spans the boundary between State of Alaska and Federal waters, and the Federal percentage Northstar production is allocated at 17.840%. During 2004, the Federal portion of Northstar oil production was 4,474,097 barrels for an average rate of 12,224 BOPD.

Geology: The Northstar Oil Pool is defined as the accumulation of hydrocarbons common to and correlating with the interval between measured depths of 12,418 feet and 13,044 feet the Seal A-01 well. The reservoir interval consists of the Sag River, Shublik, and Ivishak Formations. The Sag River Formation is typically 100 feet thick in this area, and it was deposited as Triassic-aged transgressive marine sandstone, siltstone and shale. The sandstone mineralogy is mature: quartz with minor amounts of feldspar and authigenic clay. The primary cementing agents are calcite, silica and siderite. The Shublik Formation is also Triassic-aged, and is stratigraphically complex, being characterized by marine siltstone, shale, sandstone and phosphatic limestone. Within the Shublik Formation, reservoir quality rock is limited to a basal sandstone member, the Shublik D. The Ivishak Formation comprises a series of Permian and Triassic-aged delta-front sandstones and shales that grade upward to fluvial sandstone and medium to coarse-grained pebbly conglomerates. Within the pool, the Ivishak is about 325 feet thick, and it is more proximal, coarser grained, more deeply buried and cemented than at the Prudhoe Bay Field. Here, the Ivishak is primarily cemented with calcite, silica and siderite. The pool structure consists of a faulted anticline defined by three-way dip closure on west, south and east. Closure to the north is obtained through fault seal or structural dip. Faults within the pool have interpreted maximum vertical displacements of less than 200 feet, and they are not expected to significantly effect reservoir performance. The oil-water contact is placed at 11,100 feet true vertical depth subsea, based on core, RFT, MDT and well test data. Operator-provided estimates of hydrocarbons in place for the Northstar Oil Pool suggest an original oil in place of 247 million stock tank barrels, 7 billion cubic feet ("BCF") of gas in an inferred gas cap, and 480 BCF total gas including solution gas.

[Structure Map](#) [Strat Column](#) [Type Log](#)

Orig. Oil in 247 MMSTB (CO 458)

Place:

Orig. Gas in 480 MMSTB including 7 BCF in gas cap (CO 458)

Place:

Production: Prod Chart Prod Report Prod Data

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	67,214,704	0	225,546,155	3,870,835
2001 Total	1,265,552	0	2,686,066	7,086
2002 Total	17,902,653	0	47,615,650	152,461
2003 Total	22,968,022	0	70,861,557	894,229
2004 Total	25,078,477	0	104,382,882	2,817,059
2003 Daily Rate	62,926	0	194,141	2,450
2004 Daily Rate	68,708	0	285,980	7,718
Change (%)	9%	0	47%	215%

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AOGCC Pool Statistics

Oooguruk Unit, Undef Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 25 July 2005

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Operator: Pioneer Natural Resources USA

Discovery Well: Oooguruk 1
Oooguruk 1
Permit #202-226
API No. 50-703-20437-00-00
Sec. 31, T14N, R08E, UM
Depth: 6,900' MD / 6,900' TVD
March 29, 2003

Status: Awaiting development

Location: Beaufort Sea

Area Location Map

DNR Unit Map

Production: [Prod Chart](#)

Prod Report

Prod Data

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	3,828	0	0	0
2001 Total	0	0	0	0
2002 Total	0	0	0	0
2003 Total	3,828	0	0	0
2004 Total	0	0	0	0
2003 Daily Rate	10	0	0	0
2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	0

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Prudhoe Bay Unit, Aurora Oil Pool

Operator: BP Exploration (Alaska) Inc.
Discovery Well: Mobil Oil Corporation
North Kuparuk State No. 26-12-12
Permit #169-057
API No. 50-029-20032-00-00
Sec. 26, T12N, R12E, UM
Depth: 10,311' MD / TVD
August 24, 1969

Status: **Producing**

Location: **Central Arctic Slope** [Area Location Map](#) [Pool Location Map](#)

Orders: [Complete List](#)

Summary: The Aurora Oil Pool ("AOP") is located within the current boundaries of the Prudhoe Bay Unit ("PBU"), and it lies within the Kuparuk River Formation ("Kuparuk"). The pool comprises the accumulation of hydrocarbons that is common to, and correlates with, the interval between 6859' and 7254' measured depth in PBU V-200. The pool was discovered in 1969 by the Mobil Oil Corporation Mobil-Phillips North Kuparuk State No. 26-12-12, where the same accumulation lies between the measured depths of 6,765' and 7,765'. Development of the pool is from the PBU S-Pad. Production from pool began in November 2000, and has continued without interruption. As new producers have been added (from one in November 2000 to 14 in December 2004), production has steadily increased, but water production has also increased significantly since September 2003.

Geology: Within the pool, the Kuparuk comprises early Cretaceous-aged marine shoreface and offshore sediments that consist of very fine to medium grained, quartz-rich sandstone with interbedded siltstone and mudstone. The Kuparuk is stratigraphically complex, characterized by multiple unconformities, changes in thickness and sedimentary facies, and local diagenetic cementation. In the AOP, the Kuparuk reservoir is divided into three stratigraphic intervals, that are named, from deepest to shallowest, A, B and C. The A interval contains two reservoir quality sub-intervals, the A-4 and A-5 sands, which are typically 30' and 20' thick, respectively. The B interval is dominated by siltstone and sandy mudstone with numerous discontinuous thin sandstone lenses, which are up to 3' thick. The C interval, contains the primary reservoir sands of the pool, and it consists of thick, amalgamated sands, with high net to gross ratios. Average layer properties range between 16% for the A sand net pay interval, and 25% for C sand net pay intervals. The average permeabilities for these layers range from 12 md to 158 md. The AOP structure is a NW to SE-trending ridge that is broken by N-S trending faults having vertical displacements ranging up to hundreds of feet. The traps for oil and gas are created by a combination of structural and stratigraphic features: the accumulation is bounded to the W by several faults, to the E and SE by unconformities, and to the SW and N by oil-water contacts. The reservoir appears to be compartmentalized, and fluid contacts (oil/water and gas/oil) appear to be variable across the pool. The reservoir is compartmentalized, and fluid contacts (oil/water and gas/oil) appear to be variable across the pool. The reservoir temperature is about 150 degrees F at 6700' true vertical feet subsea. Oil gravity ranges from 25.2 to 29.1 degrees API. Original oil in place ("OOIP") is estimated to be 110 to 146 MMSTB.

[Strat Column](#)

Orig. Oil in Place: 110 to 146 MMSTB (CO 457)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
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	Cumulative	11,397,395	0	47,582,920	5,151,440
	2001 Total	1,737,981	0	12,051,741	389,741
	2002 Total	2,397,003	0	12,609,285	660,338
	2003 Total	3,782,231	0	11,970,575	1,229,997
	2004 Total	3,219,105	0	9,868,761	2,869,485
	2003 Rate (b/d)	10,362	0	32,796	3,370
	2004 Rate (b/d)	8,819	0	27,038	7,862
	Change (%)	-15%	0	-18%	133%

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AOGCC Pool Statistics

Prudhoe Bay Unit, Borealis Oil Pool

Operator: BP Exploration (Alaska) Inc.

Discovery Well: Mobil Oil Corporation
W Kuparuk St 3-11-11
Permit #169-025
API No. 50-029-20014-00-00
Sec. 3, T11N, R11E, UM
Depth: 11,532' MD / 11,532' TVD
August 8, 1969

Status: **Producing**

Location: **Central Arctic Slope** [Area Location Map](#) [Pool Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary:

The Borealis Oil Pool is located within the western portion of the Prudhoe Bay Unit ("PBU"). It lies within the early Cretaceous-aged Kuparuk River Formation ("Kuparuk"), and is an accumulation of hydrocarbons common to and correlating with the interval between 6534' and 6952' measured depths in the West Kuparuk State 3-11-11 well. This pool is developed from the PBU L-, V- and Z-Pads. The pool has been producing continuously since May 2001. L-Pad provided most of the production from November 2001 to November 2002. V-Pad came on line in April 2002, and by February of 2003 it was producing an average of 15,500 barrels per day (46% of the oil from Borealis Pool). Z-Pad was brought on line in March of 2004. In December 2004, production from Borealis Pool averaged 19,711 barrels of oil per day. Of that, L-Pad produced 59%, V-Pad produced 29%, and Z-Pad produced 12%.

Geology: Within the pool, the Kuparuk consists of mid to lower marine shoreface sediments: very fine to medium grained, quartz-rich sandstone interbedded with siltstone and mudstone. The Kuparuk is stratigraphically complex, characterized by multiple unconformities and changes in thickness, sedimentary facies, and local diagenetic cementation. It is divided into four intervals that are named, from deepest to shallowest, A, B, C and D. The C interval contains the primary reservoir sands of the pool, with secondary accumulations in the A interval. Porosities range from 18 to 22%, and average permeabilities range from 5 md to 216 md. The Kuparuk structure within the pool is a NW-to-SE trending antiform that lies between 6,200 and 6,900 feet below sea level. Two sets of normal faults cut this antiform, one set trending NW-SE and a younger striking N-S. Both sets of faults are en echelon, resulting in a series of intersecting relay ramps. The pool oil accumulation is highly compartmentalized. Reservoir thickness and stratigraphy are affected by two unconformities that truncate downward to the south and east. Within the pool, oil is trapped by a combination of structural and stratigraphic features. The accumulation is bounded to the SW by NW and N-S trending faults and the oil-water contact. To the N and NW, increasing fines degrade the primary reservoir sand units. To the NE, the pool limit is defined down structure by the oil-water contact. The SE limit of the pool occurs where the reservoir is truncated by the unconformities. Oil-water contacts appear to vary in depth across the pool. No gas cap has been observed. At 6600' true vertical depth, the reservoir temperature is about 158 degrees F. API oil gravities range from 25.6 to 27.5 degrees. Original oil in place ("OOIP") is estimated between 195 and 277 MMSTBO. Associated formation gas in place ranges from 85 to 125 BSCF. There are no indications of a free gas column in the pool.

[Strat Column](#)

Orig. Oil in Place: 195 and 277 MMSTB (CO 471)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)



	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	30,848,760	0	27,079,864	10,143,174
2001 Total	1,345,639	0	935,791	79,548
2002 Total	8,438,599	0	9,680,877	610,939
2003 Total	11,790,725	0	9,465,803	2,809,231
2004 Total	9,273,797	0	6,997,393	6,643,456
2003 Rate (b/d)	32,303	0	25,934	7,696
2004 Rate (b/d)	25,408	0	19,171	18,201
Change (%)	-21%	0	-26%	136%

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AOGCC Pool Statistics

Albert Kaloa Field, Undef Gas Pool

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Operator: Aurora Gas, LLC
Discovery Well: Amoco Production Co.
Albert Kaloa No. 1
Permit #167-031
API No. 50-283-20006-00-00
Sec. 26, T11N, R12W, SM
Depth:13,600' MD/13,600' TVD
January 4, 1968

Status: Producing
Location: **Cook Inlet Basin** [Area Loc. Map](#) [Unit Loc. Map](#)
Orders: None
Summary:

Pan American Petroleum Company's ("Pan Am") Albert Kaloa No. 1 exploratory oil well discovered this pool in 1967. Pan Am tested the Beluga Formation between 3516' and 3538' measured depth, and recovered gas at a calculated 24-hour rate of 12,436,000 cubic feet per day with no associated water or oil. Production and metering equipment were installed, the well was connected by pipeline to Atlantic Richfield's Spark Platform, and the well was opened to flow on December 2, 1970. It produced dry gas at a rate of 1,300,000 cubic feet per day on December 2nd and 2,000,000 cubic feet per day on December 3rd. Production continued through January 11, 1971, when sand and mud plugged the tubing string, and the well failed. The operator suspended the well, stating that repair costs were prohibitive and could not be economically justified.

Interest in the Albert Kaloa area rejuvenated during 2004 when Aurora Gas, LLC drilled the Kaloa No. 2 exploratory well at a location adjacent to Albert Kaloa No. 1. On August 6, 2004, Aurora Power Resources, Inc. announced in a press release that Kaloa No. 2 had been drilled to a total depth of about 3,700' and had encountered 150' of net pay between 3,158' and 3,552'. Aurora reportedly tested four separate intervals at a combined flow rate of about 10,000,000 cubic feet per day. Continuous production from Kaloa No. 2 began in October 2004, and during December 2004 the well produced a total of 148,129,000 cubic feet of gas, for an average rate of 4,778,355 cubic feet per day.

[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	557,854	69	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	439,080	69	0
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	0	0
Change (%)	0	0	0

Continued: 1 > 2

AOGCC Pool Statistics

Barrow Field, East Barrow Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 July 2005

Page: 1 > 2

Operator: North Slope Borough

Discovery Well: U.S. Navy
S Barrow No. 2
Permit #100-024
API No. 50-023-10010-00-00
Sec. 14, T22N, R18W, UM
Depth: 2,505' MD / 2,505' TVD
April 15, 1949

Status: Producing

Location: **Western Arctic Slope** [Area Loc. Map](#)

Orders: [Complete List](#)
[Structure Map](#) [Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	8,081,817	1,694	0
2001 Total	85,780	0	0
2002 Total	92,511	0	0
2003 Total	92,659	0	0
2004 Total	100,609	0	0
2003 Rate (/d)	254	0	0
2004 Rate (/d)	276	0	0
Change (%)	9%	0	0

Continued: 1 > 2



AOGCC Pool Statistics **Barrow Field, South Barrow Gas Pool**

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 July 2005

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Operator: North Slope Borough
Discovery Well: U.S. Navy
S Barrow No. 2
Permit #100-024
API No. 50-023-10010-00-00
Sec. 14, T22N, R18W, UM
Depth: 2,505' MD / 2,505' TVD
April 15, 1949

Status: Producing
Location: **Western Arctic Slope** [Area Loc. Map](#)
Orders: [Complete List](#)
[Structure Map](#) [Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	22,482,501	1,040	0
2001 Total	42,139	0	0
2002 Total	60,933	0	0
2003 Total	88,671	0	0
2004 Total	69,127	0	0
2003 Rate (/d)	243	0	0
2004 Rate (/d)	189	0	0
Change (%)	-22%	0	0

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AOGCC Pool Statistics

Beaver Creek Field, Beluga Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 July 2005

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Operator: Marathon Oil Company
Discovery Well: Marathon Oil Company
Beaver Creek Unit No. 1
Permit #166-060
API No. 50-133-10042-00-00
Sec. 34, T07N, R10W, SM
Depth: 13,595' MD / 12,911' TVD
February 10, 1967

Status: Producing
Location: **Cook Inlet Basin** [Area Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	47,321,226	260,345	529,366
2001 Total	4,479,889	17,960	21,084
2002 Total	7,603,847	20,952	27,200
2003 Total	7,639,494	34,368	39,405
2004 Total	7,463,276	74,143	78,818
2003 Rate (/d)	20,930	94	108
2004 Rate (/d)	20,447	203	215
Change (%)	-2%	116%	99%

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AOGCC Pool Statistics

Beaver Creek Field, Sterling Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 July 2005

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Operator: Marathon Oil Company

Discovery Well: Marathon Oil Company
Beaver Creek Unit No. 1
Permit #166-060
API No. 50-133-10042-00-00
Sec. 34, T07N, R10W, SM
Depth: 13,595' MD / 12,911' TVD
February 10, 1967

Status: Producing

Location: **Cook Inlet Basin** [Area Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Structure Map](#) [Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	125,934,574	527,683	529,366
2001 Total	433,727	22	21,084
2002 Total	292,152	113	27,200
2003 Total	104,140	3,675	39,405
2004 Total	593,665	4,651	78,818
2003 Rate (/d)	285	10	108
2004 Rate (/d)	1,626	13	215
Change (%)	471%	30%	99%

Continued: 1 > 2

AOGCC Pool Statistics

Beaver Creek Field, Tyonek Undefined Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 July 2005

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Operator: Marathon Oil Company

Discovery Well: Marathon Oil Company
Beaver Creek Unit No. 1
Permit #166-060
API No. 50-133-10042-00-00
Sec. 34, T07N, R10W, SM
Depth: 13,595' MD / 12,911' TVD
February 10, 1967

Status: Producing

Location: **Cook Inlet Basin** [Area Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
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Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	5,209,448	5,951	529,366
2001 Total	426,492	421	21,084
2002 Total	629,103	384	27,200
2003 Total	124,677	1,875	39,405
2004 Total	259,137	281	78,818
2003 Rate (/d)	342	5	108
2004 Rate (/d)	710	1	215
Change (%)	108%	-80%	99%

Continued: 1 > 2

[AOGCC Pool Statistics](#)

[Beluga River Field, Undef Gas Pool](#)

Operator: ConocoPhillips Alaska Inc.
Discovery Well: Standard Oil Co. of California
Beluga River Unit No. 1
Permit #162-018
API No. 50-083-10027-00-00
Sec. 35, T13N, R10E, SM
Depth: 16,429' MD / 16,429' TVD
December 1, 1962

Status: Producing
Location: [Cook Inlet Basin](#) [Area Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

The Beluga River Field is a shallow gas accumulation located approximately 40 miles west of Anchorage, along the western shoreline of the Cook Inlet. It was discovery in December 1962 while exploring for a deeper oil objective. Gas production began in March 1968 and currently there are 18 well penetrations within the Beluga River Unit. The field is a major supplier for local electric utilities and home gas usage in the Anchorage area. ConocoPhillips Alaska, Inc operates the field for its co-owners Chevron and Municipal Light and Power. (Source: John Braden, ConocoPhillips)

Geology: The Beluga River structure is a broad, north-northeastern trending fault propagation fold with a steep dipping reverse fault on the west side. The gas field produces from two Tertiary-aged formations: the high net-to-gross, Pliocene aged Sterling Fm, and the underlying low net-to gross Miocene-age Beluga Fm. The stratigraphic section is dominated by fluid non-marine arkosic sandstone, siltstone, mudstone, and coal deposited in a rapidly subsiding basin. The reservoir consist of dozens of stacked sands that are encased in relatively impermeable siltstone and mudstone. The gross reservoir thickness is up to 3200'. Ubiquitous interbedded coals source the tremendous volumes of biogenic gas trapped with in the field. (Source: John Braden, ConocoPhillips)

Production: [Structure Map](#) [Strat Column](#)
[Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	904,780,210	31,602	225,252
2001 Total	41,785,753	4,406	9,380
2002 Total	44,038,839	6,604	11,169
2003 Total	56,252,066	9,119	14,165
2004 Total	57,617,635	10,663	15,673
2003 Rate (/d)	154,115	25	39
2004 Rate (/d)	1557,857	29	43
Change (%)	2%	16%	10%

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AOGCC Pool Statistics

Birch Hill Field, Undef Gas Pool

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Operator: Union Oil Company of California

Discovery Well: Arco Alaska Inc.
Birch Hill Unit No. 22-25
Permit #165-001
API No. 50-133-10029-00-00
Sec. 25, T09N, R09W, SM
Depth: 15,500' MD / 15,500' TVD
June 9, 1965

Status: Suspended

Location: **Kenai Peninsula, Cook Inlet Basin** [Area Loc. Map](#) [Unit Loc. Map](#)

Orders: None
[Structure Map](#) [Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	65,331	0	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	0	0	0
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	0	0
Change (%)	0	0	0

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AOGCC Pool Statistics

Deep Creek Unit, HV Undef Gas Pool

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Operator: Union Oil Company of California
Discovery Well: Union Oil Company of California
Happy Valley 1
Permit #203-072
API No. 50-231-20023-00-00
Sec. 22, T2S, R13W, UM
Depth: 10,871' MD / 9,700' TVD
July 9 , 2003

Status: Producing
Location: Kenai Peninsula, Cook Inlet Basin [Area Loc. Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	298,938	1,295	3,804
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	298,938	1,295	3,804
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	4	0
Change (%)	0	0	0

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AOGCC Pool Statistics

East Umiat Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 July 2005

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Operator: Devon Canada Corporation

Discovery Well: BP

East Umiat Unit Well No. 1

Permit #163-024

API No. 50-287-10016-00-00

Sec. 19, T01S, R02E, UM

Depth: 3,347' MD / 3,347' TVD

March 7, 1990

Status: Suspended

Location: **Central Arctic Slope** [Area Loc. Map](#)

Orders: None

[Strat Column](#)

Production:

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	0	0	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	0	0	0
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	4	0
Change (%)	0	0	0

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AOGCC Pool Statistics

Granite Point Field, Undef Gas Pool

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Operator: Union Oil Company of California
Discovery Well: Union Oil Company of California
Granite Pt St 17586 No. 9
Permit #193-062
API No. 50-733-20448-00-00
Sec. 31, T11N, R11W, SM
Depth: 5,905' MD / 4,170' TVD
June 10, 1993

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Struct Map](#) [Strat Column](#)

Production: [Prod Chart](#) [Prod Rpt](#) [Prod Data](#) [Disp Chart](#) [Disp Rpt](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	844,378	0	733,505
2001 Total	149,359	0	47,978
2002 Total	99,776	0	113,135
2003 Total	91,232	0	58,262
2004 Total	44,387	0	39,859
2003 Rate (/d)	250	0	160
2004 Rate (/d)	122	0	109
Change (%)	-51%	0	-32%

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AOGCC Pool Statistics

Ivan River Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 01 August 2005

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Operator: Union Oil Company of California
Discovery Well: Standard Oil Co. of California
Ivan River Unit No. 44-1
Permit #166-021
API No. 50-029-22017-00-00
Sec. 01, T13N, R09W, SM
Depth: 15,269' MD / 15,269' TVD
October 8, 1966

Status: **Producing**
Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Struct Map](#) [Strat Column](#)

Production: [Prod Chart](#) [Prod Rpt](#) [Prod Data](#) [Disp Chart](#) [Disp Rpt](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	75,718,829	12,485	39,662
2001 Total	3,799,120	805	14,987
2002 Total	4,303,293	630	24,675
2003 Total	2,470,717	639	0
2004 Total	1,669,764	158	0
2003 Rate (/d)	6,769	2	0
2004 Rate (/d)	4,575	0	0
Change (%)	-32%	-	-

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AOGCC Pool Statistics

Kavik Field, Undef Gas Pool

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Operator: ConocoPhillips

Discovery Well: Pan America Petroleum Corp.
Kavik No. 1
Permit #168-086
API No. 50-179-20001-00-00
Sec. 07, T03N, R23E, UM
Depth: 9,564' MD / 9,564' TVD
November 2, 1969

Status: Abandoned

Location: East-Central Arctic Slope

Orders: None
[Strat Column](#)

[Area Loc. Map](#)

Production: None

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	0	0	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	0	0	0
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	0	0
Change (%)	-	-	-

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AOGCC Pool Statistics

Kemik Field, Undef Gas Pool

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Page: 1 > 2

Operator:

None

Discovery Well:

Standard Alaska Production Co.
Kemik Unit No. 1
Permit #170-060
API No. 50-223-20006-00-00
Sec.17, T01N, R20E, UM
Depth: 16,073' MD / 16,073' TVD
June 17, 1972

Status:

Abandoned - Unit was dissolved in 1995

Location:

East-Central Arctic Slope

Area Loc. Map

Orders:

None

Structure Map

Strat Column

Production:

None

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	0	0	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	0	0	0
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	0	0
Change (%)	-	-	-

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AOGCC Pool Statistics

Kenai Field, Beluga Undef Gas Pool

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Operator: Marathon Oil Company

Discovery Well: Union Oil Company of California
Kenai Unit No. 14-06
Permit #159-002
API No. 50-133-10088-00-00
Sec. 06, T04N, R11W, SM
Depth: 12,037' MD / 12,037' TVD
October 11, 1959

Status: Shut-in

Location: Cook Inlet Basin [Area Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Struct Map](#) [Strat Column](#)

Production: [Prod Chart](#) [Prod Rpt](#) [Prod Data](#) [Disp Chart](#) [Disp Rpt](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	120	0	3,002,020
2001 Total	0	0	275,976
2002 Total	0	0	357,070
2003 Total	0	0	457,624
2004 Total	0	0	480,417
2003 Rate (/d)	0	0	1,254
2004 Rate (/d)	0	0	1,316
Change (%)	-	0	5%

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AOGCC Pool Statistics

Kenai Field, Sterling 3 Gas Pool

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Operator: Marathon Oil Company

Discovery Well: Union Oil Company of California

Kenai Unit No. 14-06

Permit #159-002

API No. 50-133-10088-00-00

Sec. 06, T04N, R11W, SM

Depth: 12,037' MD / 12,037' TVD

October 11, 1959

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

[Strat Column](#)

Production: [Prod Chart](#) [Prod Rpt](#) [Prod Data](#) [Disp Chart](#) [Disp Rpt](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	330,222,906	134,850	3,002,028
2001 Total	1,908,782	2,122	275,976
2002 Total	1,368,955	1,620	357,070
2003 Total	1,668,534	2,623	457,624
2004 Total	924,537	722	480,417
2003 Rate (/d)	4,571	7	1,254
2004 Rate (/d)	2,533	2	1,316
Change (%)	-45%	-71%	5%

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AOGCC Pool Statistics

Kenai Field, Sterling 4 Gas Pool

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Operator: Marathon Oil Company

Discovery Well: Union Oil Company of California

Kenai Unit No. 14-06

Permit #159-002

API No. 50-133-10088-00-00

Sec. 06, T04N, R11W, SM

Depth: 12,037' MD / 12,037' TVD

October 11, 1959

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

[Strat Column](#)

Production: [Prod Chart](#) [Prod Rpt](#) [Prod Data](#) [Disp Chart](#) [Disp Rpt](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	447,077,394	150,4130	3,002,028
2001 Total	2,417,268	1,514	275,976
2002 Total	3,667,281	2,377	357,070
2003 Total	2,911,391	3,589	457,624
2004 Total	3,744,715	4,571	480,417
2003 Rate (/d)	7,976	10	1,254
2004 Rate (/d)	10,259	13	1,316
Change (%)	29%	30%	5%

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AOGCC Pool Statistics

Kenai Field, Sterling 5.1 Gas Pool

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Operator: Marathon Oil Company

Discovery Well: Union Oil Company of California
Kenai Unit No. 14-06
Permit #159-002
API No. 50-133-10088-00-00
Sec. 06, T04N, R11W, SM
Depth: 12,037' MD / 12,037' TVD
October 11, 1959

Status: Shut-in

Location: Cook Inlet Basin [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Rpt](#) [Prod Data](#) [Disp Chart](#) [Disp Rpt](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	484,679,341	154,689	3,002,028
2001 Total	0	0	275,976
2002 Total	0	0	357,070
2003 Total	0	0	457,624
2004 Total	43,164	37	480,417
2003 Rate (/d)	0	0	1,254
2004 Rate (/d)	118	0	1,316
Change (%)	-	-	5%

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AOGCC Pool Statistics

Kenai Field, Sterling 5.2 Gas Pool

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Operator: Marathon Oil Company

Discovery Well: Union Oil Company of California
Kenai Unit No. 14-06
Permit #159-002
API No. 50-133-10088-00-00
Sec. 06, T04N, R11W, SM
Depth: 12,037' MD / 12,037' TVD
October 11, 1959

Status: **Shut-in**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Rpt](#) [Prod Data](#) [Disp Chart](#) [Disp Rpt](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	44,031,635	12,700	3,002,028
2001 Total	0	0	275,976
2002 Total	0	0	357,070
2003 Total	0	0	457,624
2004 Total	0	0	480,417
2003 Rate (/d)	0	0	1,254
2004 Rate (/d)	0	0	1,316
Change (%)	-	-	5%

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AOGCC Pool Statistics

Kenai Field, Sterling 6 Gas Pool

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Operator: Marathon Oil Company
Discovery Well: Union Oil Company of California
Kenai Unit No. 14-06
Permit #159-002
API No. 50-133-10088-00-00
Sec. 06, T04N, R11W, SM
Depth: 12,037' MD / 12,037' TVD
October 11, 1959

Status: **Producing**
Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
 [Strat Column](#)

Production: [Prod Chart](#) [Prod Rpt](#) [Prod Data](#) [Disp Chart](#) [Disp Rpt](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	517,660,037	107,873	3,002,028
2001 Total	7,517,770	5,101	275,976
2002 Total	6,622,640	8,527	357,070
2003 Total	11,539,229	24,682	457,624
2004 Total	4,984,418	6,888	480,417
2003 Rate (/d)	31,614	68	1,254
2004 Rate (/d)	13,656	19	1,316
Change (%)	-57%	-72%	5%

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AOGCC Pool Statistics

Kenai Field, Tyonek Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 03 August 2005

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Operator: Marathon Oil Company
Discovery Well: Union Oil Company of California
Kenai Unit No. 14-06
Permit #159-002
API No. 50-133-10088-00-00
Sec. 06, T04N, R11W, SM
Depth: 12,037' MD / 12,037' TVD
October 11, 1959

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
 [Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	184,551,907	72,487	3,002,0280
2001 Total	1,263,909	9,340	275,976
2002 Total	1,298,633	16,281	357,070
2003 Total	1,338,582	7,281	457,624
2004 Total	1,025,997	2,985	480,417
2003 Rate (/d)	3,667	20	1,254
2004 Rate (/d)	2,811	8	1,316
Change (%)	-23%	-60%	5%

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AOGCC Pool Statistics

Kenai Field, U Tyonek Beluga Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 03 August 2005

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Operator: Marathon Oil Company
Discovery Well: Union Oil Company of California
Kenai Unit No. 14-06
Permit #159-002
API No. 50-133-10088-00-00
Sec. 06, T04N, R11W, SM
Depth: 12,037' MD / 12,037' TVD
October 11, 1959

Status: **Producing**
Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Strat Column](#)
Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	261,514,291	447,976	3,002,0280
2001 Total	6,856,748	18,884	275,976
2002 Total	9,196,652	129	357,070
2003 Total	11,106,359	79,697	457,624
2004 Total	13,494,490	110,453	480,417
2003 Rate (/d)	30,428	23	1,254
2004 Rate (/d)	36,971	303	1,316
Change (%)	21%	1217%	5%

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AOGCC Pool Statistics

Kenai Field, CLU Beluga Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 03 August 2005

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Operator: Marathon Oil Company

Discovery Well: Union Oil Company of California
Kenai Unit No. 14-06
Permit #159-002
API No. 50-133-10088-00-00
Sec. 06, T04N, R11W, SM
Depth: 12,037' MD / 12,037' TVD
October 11, 1959

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	44,162,598	303,055	0
2001 Total	1,860,945	32,432	0
2002 Total	1,341,468	33,754	0
2003 Total	1,116,673	37,957	0
2004 Total	6,135,029	107,129	0
2003 Rate (/d)	3,059	104	0
2004 Rate (/d)	16,808	294	0
Change (%)	449%	183%	-

Continued: 1 > 2

AOGCC Pool Statistics Kenai Field, CLU Sterling Undefined Gas Pool

Operator: Marathon Oil Company
Discovery Well: Union Oil Company of California
Kenai Unit No. 14-06
Permit #159-002
API No. 50-133-10088-00-00
Sec. 06, T04N, R11W, SM
Depth: 12,037' MD / 12,037' TVD
October 11, 1959

Status: **Producing**
Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	12,854,536	562	0
2001 Total	2,128,370	0	0
2002 Total	3,343,610	0	0
2003 Total	3,461,733	47	0
2004 Total	3,467,990	406	0
2003 Rate (/d)	9,484	0	0
2004 Rate (/d)	9,501	1	0
Change (%)	0%	-	-

Continued: 1 > 2

AOGCC Pool Statistics

Kenai Field, CLU Tyonek D Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 03 August 2005

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Operator: Marathon Oil Company

Discovery Well: Union Oil Company of California
Kenai Unit No. 14-06
Permit #159-002
API No. 50-133-10088-00-00
Sec. 06, T04N, R11W, SM
Depth: 12,037' MD / 12,037' TVD
October 11, 1959

Status: Shut-in

Location: Cook Inlet Basin [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	1,339,385	9,410	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	0	0	0
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	0	0
Change (%)	-	-	-

Continued: 1 > 2

AOGCC Pool Statistics

Kenai Field, CLU U Tyonek Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 03 August 2005

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Operator: Marathon Oil Company

Discovery Well: Union Oil Company of California

Kenai Unit No. 14-06

Permit #159-002

API No. 50-133-10088-00-00

Sec. 06, T04N, R11W, SM

Depth: 12,037' MD / 12,037' TVD

October 11, 1959

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	65,993,500	42,811	0
2001 Total	2,314,362	804	0
2002 Total	330,578	129	0
2003 Total	1,564,964	1,597	0
2004 Total	4,036,821	4,821	0
2003 Rate (/d)	4,288	4	0
2004 Rate (/d)	11,060	13	0
Change (%)	158%	225%	0

Continued: 1 > 2

AOGCC Pool Statistics

Lewis River Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 03 August 2005

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Operator: Union Oil Company of California
Discovery Well: Cities Service Oil Company
Lewis River No. 1
Permit #175-005
API No. 50-283-20047-00-00
Sec. 02, T14N, R09W, SM
Depth: 9,480' MD / 9,480' TVD
September 2, 1975

Status: **Producing**
Location: **Western Arctic Slope** [Area Loc. Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	11,251,629	1,895	42,503
2001 Total	220,682	0	1,481
2002 Total	898,166	38	2,486
2003 Total	575,122	100	993
2004 Total	369,191	61	1,672
2003 Rate (/d)	1,576	0	41
2004 Rate (/d)	600	0	24
Change (%)	-61%	0	-42%

Continued: 1 > 2

AOGCC Pool Statistics

Lone Creek Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 03 August 2005

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Operator: Aurora Gas LLC

Discovery Well: Anadarko Petroleum Corporation

Lone Creek No. 1

Permit #198-084

API No. 50-283-20096-00-00

Sec. 18, T12N, R11W, SM

Depth: 11,487' MD / 11,269' TVD

October 12, 1998

Status: Producing

Location: Cook Inlet Basin [Area Loc. Map](#)

Orders: None

Summary: The Lone Creek undefined gas pool was discovered in October 1998 by the Anadarko Petroleum Company's Lone Creek No. 1 well. Aurora Gas, LLC, the current operator, began regular production from the well on August 5, 2003. The pay zone is a 53-foot Upper Tyonek interval that lies at about 2400' depth. Lone Creek No. 1 is connected to Marathon's 16-inch Beluga Pipeline by a six-mile long, six-inch diameter gathering line.

[Strat Column](#)

Production:

[Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	2,794,523	22	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	1,011,382	0	0
2004 Total	1,783,141	22	0
2003 Rate (/d)	2,771	0	0
2004 Rate (/d)	4,885	0	0
Change (%)	76%	-	-

Continued: 1 > 2

AOGCC Pool Statistics

McArthur River Field, Mid Kenai Gas Pool

Operator: Union Oil Company of California

Discovery Well: Union Oil Company of California.
Trading Bay Unit G-18
Permit #168-105
API No. 50-733-20160-00-00
Sec. 28, T09N, R13W, SM
Depth: 6,390' MD / 4,510' TVD
December 2, 1968

Status: Producing

Location: **Cook Inlet** [Area Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary:

Production from the Middle Kenai Gas Pool began in December 1968 from the Grayling Platform, followed shortly thereafter by production from the Dolly Varden and King Salmon Platforms. The initial production consisted of "wet" gas, which contains appreciable amounts of natural gas liquids produced in association with oil from the West Foreland, Hemlock and Middle Kenai G oil pools. Most of the associated gas produced from McArthur River prior to 1988 was not sold commercially; it was used to fuel lease operations and provide gas lift. In 1988, the Steelhead Platform was constructed to produce "dry" gas (methane) from the Grayling Gas Sands. Production from the pool peaked at 225 billion cubic feet per day in November 1997. During December 2004, production from the platform averaged 92.5 million cubic feet per day. About 4% of the gas from this pool is now used for lease operations, and the remainder is sold commercially.

The Middle Kenai Gas Pool is defined as the accumulation of gas common to, and correlative with, the accumulation found in the Marathon Trading Bay Unit wells between the measured depths of 1,518' in well M-1 to 8,982' in well M-14. The Middle Kenai Gas Pool (also known as Grayling Gas Sands) is located within the Upper Middle Miocene Chuitna and Middle Ground Shoal members of the Tyonek Formation, which are part of the Kenai Group. The reservoir sands occur in a continuous sequence that contains the gas accumulations. As currently defined, the Middle Kenai Gas Pool consists of the Upper A series, Zones A through F, and the G-O series, which lies above the G Zone Oil Pool.

In the vicinity of the Steelhead Platform, the non-marine sediments of the Middle Kenai Gas Pool were deposited in fluvial-alluvial meander belts. The sand/shale sequences within this portion of the Tyonek Formation are interbedded with distinctive coal layers, suggesting low energy, swamp-like conditions. Sand units are often conglomeratic, generally thin (20 to 50 feet thick), and may not persist laterally. Porosity ranges from 12 to 32 percent. The McArthur River Field structure is an asymmetric anticline that is oriented approximately north 20° east. The structure is cut by two normal faults that do not affect the limits of the hydrocarbon reservoirs.

McArthur River original gas in place is estimated to be 1.35 TCF.

[Structure Map](#)

[Strat Column](#)

Orig. Gas in Place: 1.35 TCF (Thomas, and others, 2004)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	999,297,501	362,990	0
2001 Total	58,570,285	58,205	0

2002 Total	48,674,161	32,634	0
2003 Total	37,133,934	31,726	0
2004 Total	32,773,113	12,371	0
2003 Rate (/d)	101,737	87	0
2004 Rate (/d)	89,789	34	0
Change (%)	-12%	-61%	0%

Continued: 1 > 2

AOGCC Pool Statistics

Middle Ground Shoal Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 05 August 2005

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Operator: Union Oil Company of California

Discovery Well: Amoco Production Company
MGS 17595 No 14
Permit #168-009
API No. 50-733-20084-00-00
Sec. 30, T09N, R12W, SM
Depth: 10,445' MD / 9,031' TVD
February 14, 1982

Status: **Shut-in**

Location: **Cook Inlet** [Area Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	16,383,183	131	458,580
2001 Total	533,479	0	82,974
2002 Total	186,116	0	52,356
2003 Total	145,444	131	16,486
2004 Total	0	0	31,205
2003 Rate (/d)	398	0	45
2004 Rate (/d)	0	0	85
Change (%)	-	-	89%

Continued: 1 > 2

AOGCC Pool Statistics

Moquawkie Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 29 June 2005

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Operator: Aurora Gas LLC

Discovery Well: Socony Mobil Oil Company Inc.
Mobil-Atlantic Moquawkie No 1
Permit #165-012
API No. 50-283-10019-00-00
Sec. 01, T11N, R12W, SM
Depth: 11,364' MD / 11,364' TVD
November 28, 1965

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	1,752,951	347	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	3,410	0	0
2004 Total	764,752	347	0
2003 Rate (/d)	9	1	0
2004 Rate (/d)	2,095	1	0
Change (%)	-	-	-

Continued: 1 > 2

AOGCC Pool Statistics

Nicolai Creek Unit, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 05 August 2005

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Operator: Aurora Gas LLC

Discovery Well: Texaco Inc.
Nicolai Creek State No 1A
Permit #165-027
API No. 50-283-10020-00-00
Sec. 30, T11N, R12W,SM
Depth: 8,338' MD / 7,979' TVD
May 12, 1966

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
 [Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	3,189,351	32,201	0
2001 Total	277,798	4,231	0
2002 Total	605,050	17,550	0
2003 Total	261,696	10,338	0
2004 Total	982,752	82	0
2003 Rate (/d)	717	28	0
2004 Rate (/d)	2,692	0	0
Change (%)	276%	-	-

Continued: 1 > 2

AOGCC Pool Statistics

Prudhoe Bay Unit, Lisburne Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 25 July 2005

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Operator: BP Exploration (Alaska) Inc.

Discovery Well: Arco Alaska Inc
Prudhoe Bay St 1
Permit #167-011
API No. 50-029-20001-00-00
Sec.10, T11N, R14E, UM
Depth: 12,005' MD / 12,005' TVD
December 16, 1967

Status: **Producing**

Location: **Central Arctic Slope** [Area Location Map](#) [Pool Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Structure Map](#) [Strat Column](#) [Type Log](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	139,711,098	13,910,063	1,445,184,498	36,914,060
2001 Total	3,053,500	621,813	57,489,955	199,957
2002 Total	3,065,191	484,223	63,744,655	493,551
2003 Total	3,335,277	480,297	66,748,432	650,359
2004 Total	3,299,878	372,793	56,339,950	1,233,867
2003 Daily Rate	9,138	1,316	182,874	1,782
2004 Daily Rate	9,041	1,021	154,356	3,380
Change (%)	-1%	-22%	-16%	90%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Prudhoe Bay Unit, Midnight Sun Oil Pool

Operator: BP Exploration (Alaska) Inc.
Discovery Well: BP Exploration (Alaska) Inc.
Prudhoe Bay Unit MDS E-100
(Sambuca No. 1)
Permit #197-188
API No. 50-029-22819-00-00
Sec. 06, T11N, R14E, UM
Depth: 13,282' MD / 9,423' TVD
December 20, 1997

Status: **Producing**
Location: **Central Arctic Slope** [Area Location Map](#) [Pool Location Map](#)
Orders: [Complete List](#)

Summary: The Midnight Sun Oil Pool is located in and adjacent to the Prudhoe Bay Unit ("PBU"). It was discovered in 1997 by the Sambuca #1 exploratory well (later renamed PBU MDS E-100), and confirmed by the Midnight Sun #1 delineation well (later renamed the PBU MDS E-101) in 1998. This pool comprises an accumulation of oil and gas trapped within the Lower Cretaceous-aged Kuparuk River Formation ("Kuparuk") that correlate with the interval from 11,662' and 11,805' measured depth (~8,000' below sea level) in PBU MDS E-100. The pool has low structural dip, good vertical permeability, contains a relatively large gas cap, and has gross sand thickness of about 110 feet. Free gas volume associated with the gas cap is estimated to range between 60 and 80 BSCF. Total gas in place is estimated to be 100 to 130 BSCF. Production from the pool began in October of 1998.

Geology: Within the pool, the Kuparuk is complex, displaying rapid changes in thickness, sedimentary facies and local diagenetic cementation. At Midnight Sun, the Kuparuk is informally divided into lower and upper units. The lower Kuparuk unit is about 40' thick, and is, in turn, subdivided into two lithologic intervals. The basal non-productive sandstone is discontinuous, ranging up to 5' thick, and contains abundant glauconite and minor detrital shale. The overlying unit is continuous, very fine to fine grained, quartz-rich sandstone. Mean porosity and permeability in the reservoir-quality portions of the lower Kuparuk unit are 27.3% and 760 md, respectively. The upper unit ranges from 0' to 70' in thickness, and consists of poor to well sorted, glauconitic- and siderite-bearing sandstone interbedded with minor amounts of muddy siltstone. Changes in intergranular siderite cementation and compaction cause localized reductions in porosity and permeability. In the upper unit, mean porosity is 20.7% and mean permeability is 200 md. Structural and stratigraphic elements combine to trap this oil pool. It is bounded to the N by the Sambuca fault, to the W by the Prudhoe Mid-Field Fault, to the S by the Prudhoe-bounding fault system, and to the E by an apparent stratigraphic pinch out. No oil-water contact has been observed, but heavy oil was encountered below a true vertical depth of 8,107' in PBU E-101. The areal extent of this heavy oil accumulation is uncertain. A gas-oil contact lies at 8,010' true vertical depth subsea. API gravity of the oil is about 25.5 degrees.

[Strat Column](#)

Orig. Oil in Place: 40 to 60 MMSTB (CO 452)
Orig. Gas in Place: 100 to 130 BSCF (CO 452)
Reserves: Primary: 6 to 8 MMBO; Primary + Secondary 16 to 23 MMSTB (CO 452)
Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
--	------------	------------	-----------	--------------

Cumulative	11,342,234	0	40,092,659	1,630,107
2001 Total	1,305,188	0	6,750,499	33,282
2002 Total	3,157,373	0	9,878,600	886,521
2003 Total	1,719,308	0	3,499,585	401,474
2004 Total	1,641,441	0	6,191,077	300,216
2003 Daily Rate	4,710	0	9,588	1,100
2004 Daily Rate	4,497	0	16,962	823
Change (%)	-5%	0	77%	-25%

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AOGCC Pool Statistics

Prudhoe Bay Unit, N Prudhoe Bay Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 25 July 2005

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Operator: BP Exploration (Alaska) Inc.

Discovery Well: Arco Alaska Inc.
N Prudhoe Bay State No. 1
Permit #169-113
API No. 50-029-20049-00-00
Sec. 23, T12N, R14E, UM
Depth: 9,610' MD / 9,610' TVD
April 4, 1970

Status: Shut-in

Location: Central Arctic Slope [Area Location Map](#) [Pool Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Orig. Oil in Place: 12 MMSTB (CO 345)

Orig. Gas in Place: 31 Billion SCF (CO 345)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	1,984,791	84,599	6,616,438	2,989,263
2001 Total	0	0	0	0
2002 Total	0	0	0	0
2003 Total	0	0	0	0
2004 Total	0	0	0	0
2003 Daily Rate	0	0	0	0
2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	0

Continued: 1 > 2 > 3

Operator: BP Exploration (Alaska) Inc.

Discovery Well: BP Exploration (Alaska) Inc.
Niakuk NK-43
Permit #201-001
API No. 50-029-22998-00-00
Sec. 36, T12N, R15E, UM
Depth: 13,948' MD / 10,074' TVD
March 10, 2001

Status: Shut-in

Location: Central Arctic Slope [Area Location Map](#) [Unit Location Map](#)

Orders: [Complete List](#)

Summary: This undefined oil pool within the Niakuk Participating Area was first tested by the Prudhoe Bay Unit NK-43 ("PBU NK-43") well in March of 2001. NK-43 was perforated in the Sag River Formation ("Sag River") from 13,674' to 13,740' measured depth (9,818' to 9,879' true vertical depth). During a four-hour flow test, the well reportedly produced 1,021 barrels of oil, 2 barrels of water, and 15,344 MCF gas. Regular production from the pool occurred from March 2001 through June 2001, and totaled 65,386 barrels of oil, 84,755 barrels of water, 504,427 MCF of gas. A second well, Prudhoe Bay Unit NK-19A ("PBU NK-19A"), was drilled to the pool and tested in January 2002. PBU NK-19A was perforated in the Sag River from 12,120' to 12,140' measured depth (9,945' to 9,963' true vertical depth). No test results were reported in the well history file, but the Commission's regular production records for this well report 2 barrels of oil, 575 barrels of water, and 0 MCF of gas produced over two operating days.

[Strat Column](#)

Orig. Oil in Place: Not Published

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	65,388	0	504,427	85,330
2001 Total	65,386	0	504,427	84,755
2002 Total	2	0	0	575
2003 Total	0	0	0	0
2004 Total	0	0	0	0
2003 Daily Rate	0	0	0	0
2004 Daily Rate	0	0	0	0
Change (%)	-	0	-	-

AOGCC Pool Statistics

Prudhoe Bay Unit, Niakuk Oil Pool

Operator: BP Exploration (Alaska) Inc.
Discovery Well: Sohio
Niakuk No. 5
Permit #185-027
API No. 50-029-21290-00-00
Sec. 30, T12N, R16E, UM
Depth: 11,507' MD / 10,643' TVD
April 18, 1985

Status: **Producing**
Location: **Central Arctic Slope** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)

Summary: The Niakuk oil pool is defined as the accumulation of oil and gas in the Kuparuk River Formation ("Kuparuk") that correlates with the interval between 12,318 feet and 12,942 feet measured depth (9351 feet and 9842 feet true vertical depth subsea). Regular production began from the pool in April 1994, and peaked at 37,172 barrels of oil per day in September 1996. Since 2000, Niakuk oil production has declined at an average rate of about 15% per year. During December 2004, Niakuk averaged 7,239 barrels of oil per day, 36,565 barrels of water per day, and 6,861 MCF of gas per day.

Geology: Lateral heterogeneity and abrupt facies change characterize the Kuparuk in the Niakuk area. The Niakuk reservoir contains two elongated, oil-bearing segments that do not appear to be in hydraulic communication. Normal faults bound the two segments on the north and south, and numerous moderate-displacement normal faults cut the reservoir. The western segment ("Segment 1") contains approximately 545 acres. The eastern segment ("Segment 2") contains approximately 1,310 acres. Porosity in Segment 1 varies from 15.2% to 24.4%, permeability varies from 6 to 1,250 millidarcies, and oil saturation ranges from 66% to 75%. In Segment 2, porosity ranges from 19.5% to 23.0%, permeability varies from 1 to 3,008 millidarcies, and oil saturation ranges from 67% to 79%. Oil gravity measures 24.0 degrees API. A gas-oil-contact has not been identified in the Niakuk wells. Estimated original oil in place ("OOIP") for the Niakuk reservoir is 137.4 MMSTB (56.1 MMSTB in Segment 1 and 81.3 MMSTB in Segment 2) and original gas in place ("OGIP") is 90.9 BSCF.

[Structure Map](#) [Strat Column](#)

Orig. Oil in Place: 137.4 MMSTB (CO 329)
Orig. Gas in Place: 90.9 BSCF (CO 329)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	80,267,630	955,457	67,440,715	57,219,279
2001 Total	6,912,585	108,561	5,835,838	4,551,434
2002 Total	5,813,941	54,534	4,287,368	8,399,021
2003 Total	4,599,262	38,534	3,385,803	10,461,065
2004 Total	3,803,343	122	3,021,718	12,258,973
2003 Daily Rate	12,601	106	9,276	28,660
2004 Daily Rate	10,420	122	8,279	33,586
Change (%)	-17%	15%	-11%	17%



AOGCC Pool Statistics

Prudhoe Bay Unit, Orion Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 25 July 2005

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Operator: BP Exploration (Alaska) Inc.
Discovery Well: Mobil Oil Corporation
 Kuparuk State No.1
 Permit #168-102
 API No. 50-029-20008-00-00
 Sec. 21, T11N, R11E, UM
 Depth: 11,099' MD / 11,099' TVD
 April 7, 1969

Status: **Producing**
Location: **Central Arctic Slope**
Orders: [Complete List](#)

[Area Location Map](#)

Summary: The oil-bearing sands of the Late Cretaceous-aged Schrader Bluff Formation ("Schrader Bluff") are present in the Milne Point, Kuparuk River, and Prudhoe Bay Units. The Orion Oil Pool ("Orion") is the portion of the Schrader Bluff Oil Pool located within the Prudhoe Bay Unit ("PBU"). This pool was discovered in 1968 by the Kuparuk State #1 exploratory well, and confirmed in 1998 by Northwest Eileen 2-01. It is defined as the accumulation of hydrocarbons common to, and correlating with, the interval from 4,549' and 5,106' measured depth in PBU V-201. The pool ranges in depth from about 3,900' to 5,000' true vertical feet subsea. The pool has been producing continuously since April 2002 from the PBU V- and L-Pads. V-Pad initially dominated production; however, in June 2004, two additional L-Pad wells were brought on-line, and by October L-Pad production abruptly increased to more than 5,000 barrels of oil per day ("BOPD"). In December 2004, Orion averaged 10,423 BOPD: 5,463 BOPD (52%) from L-Pad and 4,960 BOPD (48%) from V-Pad.

Geology: The pool contains two stratigraphic intervals that are designated, from deepest to shallowest, the O-Sands and the N-Sands. These sediments were deposited in a marine shoreface and shallow shelf environment. They are unconsolidated and display lateral facies changes and local diagenetic alteration. They are present across the entire Orion development area and, as a package, thin slightly from SW to NW. Reservoir quality sand units within each interval are regionally extensive, but are locally characterized by substantial variations in thickness and net-to-gross sand ratio. The O-Sands are subdivided into two intervals that are termed, from deepest to shallowest, the OB and OA. OB ranges in thickness from 220' to 300', and OA is 45' to 80' thick. Measurements are scarce, but reservoir sand porosity and permeability are thought to be from 25% to 30% and from 50 md to 250 md, respectively. The N-Sand interval ranges from 60' to 85' in thickness, and it consists mainly of non-reservoir mudstone and siltstone interbedded with a limited number of thin, but generally extensive, unconsolidated reservoir sands. The O-Sands are the main development horizon at Orion because O-Sand oil ranges in API gravity from the low twenties to the mid-teens, and is lighter and higher in quality than that found in the N-Sands. The top of the Schrader Bluff OA sand in the Orion development area has structural dip ranging from 1 to 4 degrees to the E and NE, and it is broken by three sets of normal faults that trend from NW-SE, N-S, and E-W. Collectively, the fault sets subdivide the pool into isolated reservoir compartments. The NW-SE faults, with throws of up to 200 feet, dominate the structural fabric of the pool and form the boundaries of the major structural blocks in the area. N- and O-Sand oil water contacts are thought to vary by sand unit and by fault block. No gas/oil contacts or free gas have been observed. Original-oil-in-place is estimated at 1,070 to 1,785 million stock tank barrels ("MMSTB"), with 845 to 1,410 MMSTB in the O-Sands and 225 to 375 MMSTB in the N-Sands. Solution gas is estimated at 210 to 345 BSCF.

[Strat Column](#)

Orig. Oil in Place: 1,070 to 1,785 MMSTB (CO 505)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	2,309,634	0	1,993,760	81,712
2001 Total	0	0	0	0
2002 Total	97,105	0	57,905	19,254
2003 Total	368,058	0	311,963	28,496
2004 Total	1,844,471	0	1,623,892	33,962
2003 Daily Rate	1,008	0	855	78
2004 Daily Rate	5,053	0	4,449	93
Change (%)	401%	0	420%	19%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Prudhoe Bay Unit, Polaris Oil Pool

Operator: BP Exploration (Alaska) Inc.
Discovery Well: BP Exploration (Alaska) Inc.
Prudhoe Bay Un POL S-200
Permit #197-239
API No. 50-029-22846-00-00
Sec. 35, T12N, R12E, UM
Depth: 6,310' MD / 5,466' TVD
January 22, 2000

Status: **Producing**
Location: **Central Arctic Slope** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

The Polaris Oil Pool is located within the western portion of the Prudhoe Bay Unit ("PBU"). It lies within the Late Cretaceous-aged Schrader Bluff Formation ("Schrader Bluff") and the Early Tertiary-aged Ugnu Formation ("Ugnu"). This pool is an accumulation of hydrocarbons common to and correlating with the interval between 5,393' and 6,012' measured depths in the North Kuparuk State 26-12-12 well. The pool has been producing continuously since November 1999 from the PBU W-Pad and S-Pads. Between November 1999 and December 2001, oil production averaged 1,110 barrels per day, with W-Pad contributing 700 barrels per day (62%). Since January 2002, W-Pad has continued to dominate production. In December 2004, oil production from Polaris Pool averaged 2,830 barrels. Of that, W-Pad produced 92% and S-Pad produced 8%.

Geology: The pool encompasses reservoirs assigned to the Late Cretaceous-aged Schrader Bluff Formation and the Early Tertiary-aged Ugnu Formation. The Schrader Bluff was deposited in a marine shoreface and shallow shelf environment, and it is divided into two stratigraphic intervals that are designated, from deepest to shallowest, the "O-Sands" and the "N-Sands." The O-Sands vary in thickness from 215' to 320', and the N-Sands vary from 95' to 165' thick. The overlying Ugnu reservoir intervals, informally termed the "M-Sands," were deposited in deltaic and fluvial environments. The M-Sands vary in thickness from 180' to 250'. The pool lies between approximately 4,800' and 5,300' feet true vertical depth subsea. The Polaris structure dips gently to the east and northeast, and it is broken into a series of reservoir compartments by three sets of normal faults: one trending NW, the second trending N, and the third trending W. The NW- and N-trending faults range in vertical displacement up to 200 feet; they are the primary controls for oil distribution in the PBU W-Pad, S-Pad and M-Pad areas. The W-trending faults range up to 100' in vertical displacement, and they trap oil in the center and along the southern margin of the pool, near the Term Well C, and near PBU N-Pad. Oil distribution is complex: within the O- and N-Sands, ten oil-bearing intervals are recognized, and oil-water contacts appear to vary in depth. In the M-Sands, oil-water contacts are concentrated in the crestal portions of the structure, but they appear to vary in depth within different M-Sands suggesting that each behaves as a separate reservoir unit. The primary reservoirs of the pool lie in the O-Sands, and secondary accumulations occur in the N-Sands. API oil gravities range from 17 to 26 degrees. The M-Sands contain significant reserves, but the oil is biodegraded and viscous, with API gravity ranging from 12 to 14 degrees. Original oil in place ("OOIP") is estimated between 350 and 750 MMSTBO. Of this, 300 to 550 million MMSTBO are estimated within the O-Sands. There are no indications of a free gas column in the pool. The oil is undersaturated, containing between 84 and 250 billion standard cubic feet ("scf") of gas in solution, with 75 to 195 billion scf attributable to the O-Sands.

[Strat Column](#)

Orig. Oil in Place: 350 to 750 MMSTB (CO 484)

Production:

Prod Chart

Prod Report

Prod Data

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	3,538,567	0	4,086,751	527,701
2001 Total	418,999	0	581,239	43,864
2002 Total	765,900	0	1,118,670	126,969
2003 Total	917,642	0	999,965	194,186
2004 Total	994,514	0	993,484	122,772
2003 Rate (b/d)	2,514	0	2,740	532
2004 Rate (b/d)	2,725	0	2,722	336
Change (%)	8%	0	-1%	-37%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Prudhoe Bay Unit, Prudhoe Oil Pool

Operator: BP Exploration (Alaska) Inc.
Discovery Well: Atlantic Richfield - Humble
Prudhoe Bay State No. 1
Permit #167-011
API No. 50-029-20001-00-00
Sec. 10, T11N, R14E, UM
Depth: 12,005' MD / 12,005' TVD
December 19, 1967

Status: **Producing**
Location: **Central Arctic Slope** [Area Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

Prudhoe Bay is the largest oil field in North America, and it ranks among the 20 largest fields in the world. The Prudhoe Bay State No. 1 exploratory well discovered this pool in 1968. In that well, DST No. 12 (a 48-1/2 hour production test that began June 1, 1968) produced oil at a maximum rate of 2,415 barrels per day, with an average estimated rate of about 2,025 barrels per day. Regular oil production began in April 1969, exceeded an average rate of 1,000,000 barrels per day in March of 1978, and then peaked in January 1987 at 1,627,036 barrels per day. In March 1994, oil production from the pool dropped below 1,000,000 barrels per day. Since 2000, production has declined at an average rate of 8% each year. During December 2004, daily oil production averaged 361,946 barrels. Production was lower than expected during August and September 2004. BP took the field down for maintenance in early August 2004, and had difficulties bringing it back on line. The total estimated impact was a deferral in production of about 2.5 million barrels of oil.

Geology: The Prudhoe Oil Pool is defined as the accumulations of oil that are common to and which correlate with the accumulations found in the Atlantic Richfield - Humble Prudhoe Bay State No. 1 well between the depths of 8,110' and 8,680'. The Prudhoe Bay, Prudhoe Oil Pool encompasses, in ascending order, the Sadlerochit, Shublik and Sag River Formations. The Sadlerochit Formation is Triassic-aged, and it consists of 300' to 600' of sandstone and conglomerate. The lower part of the Sadlerochit consists of a basal, prodelta marine unit that grades upward into a marginal marine coastal sequence consisting of interbedded sandstone and shale. The upper part was deposited by rivers and braided streams in a nonmarine alluvial environment. Most of the recoverable reserves of the Sadlerochit occur in these braided stream sediments, where porosity ranges from 20 to 24% and permeability ranges from 300 md to several darcys. The Shublik Formation is also Triassic-aged, and it consists of organic- and phosphate-rich sandstone, muddy sandstone, mudstone, silty limestone, and limestone. These sediments were deposited in a low energy marine environment with high biologic productivity. The Sag River Formation consists of a lower sandstone member and an upper shale member. The sandstone member consists of uniform, well-sorted, fine-grained sandstone and siltstone that were deposited within a barrier beach complex. The Sag River Formation forms a relatively continuous reservoir over a large part of the Prudhoe Bay Field. The sandstone member thickens from 20' in the south to about 70' in the north, and reservoir conditions improve toward the northeast. The overlying shale member consists of shale and mudstone, and this member thins from about 70' in the west to about 10' in the main field area. Original oil in place is estimated to be about 25 billion barrels, and gas in place is estimated to be 46 trillion cubic feet. Associated produced water and most of the associated produced gas are currently re-injected to maintain reservoir pressure.

[Structure Map](#) [Strat Column](#) [Type E-Log](#) [Type Mud Log](#)

Orig. Oil in Place: 25 Billion STB (BP, 2003)

Orig. Gas in Place: 46 Trillion SCF (BP, 2003)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	10,696,957,978	445,193,478	48,185,907,666	7,314,491,566
2001 Total	166,718,125	27,525,572	2,757,914,072	397,522,990
2002 Total	150,975,479	26,639,589	2,761,753,078	407,097,339
2003 Total	141,301,777	24,972,399	2,840,910,387	403,737,851
2004 Total	127,610,356	25,628,910	2,885,902,348	410,712,635
2003 Daily Rate	387,128	68,418	7,783,316	1,106,131
2004 Daily Rate	349,617	70,216	7,906,582	1,125,240
Change (%)	-10%	3%	2%	2%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Prudhoe Bay Unit, Pt.McIntyre Oil Pool

Operator: BP Exploration (Alaska) Inc.

Discovery Well: Arco / Exxon

Point McIntyre No. 3

Permit #189-003

API No. 50-029-21779-90-00

Sec. 15, T12N, R14E, UM

Depth: 11,035' MD / 10,483' TVD

March 22, 1988

Status: **Producing**

Location: **Central Arctic Slope** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary:

Discovered in 1993, the Pt. McIntyre Oil Pool lies in the northernmost portion of the Prudhoe Bay Unit. It lies within the Cretaceous-aged Kuparuk River and the Kalubik Formations. The pool is the accumulation of oil and gas that are common to and correlate with the interval from 9,908' to 10,665' measured depth in the Pt. McIntyre No. 11 well. Regular oil production began in October 1993, peaked at an average rate of 172,995 barrels of oil per day ("BOPD") in December 1996, and then began to decline rapidly. Production dropped from 152,000 BOPD in December 1997 to 45,000 BOPD in December 2001. Since then, the production decline has slowed: in December 2004, production from the pool averaged 36,953 BOPD.

Geology:

The Kuparuk River Formation is present throughout the Pt. McIntyre area and is characterized by rapid changes in thickness, lithology, and degree of cementation. The Kalubik formation exhibits abrupt changes in lithology and thickness with oil-bearing sandstones restricted to the western portion of the Pt. McIntyre area. The Pt. McIntyre reservoir is controlled by a north plunging anticline with fault closure to the south across the large displacement Pt. McIntyre fault, peripheral reservoir quality degradation and stratigraphic truncation of the reservoir along its eastern flank. Numerous moderate displacement normal faults cut the reservoirs. Fluid contact and pressure data indicate these faults are non-sealing. Average porosity ranges from 19 to 25% in the Kuparuk River sands. Average horizontal permeabilities range from 50 to 300 millidarcies in the Upper Kuparuk and 100 to 600 millidarcies in the Lower Kuparuk sands. Reservoir oil gravity is 27 degrees API. Initial reservoir temperature ranges from 176 to 184 deg F at 8800' true vertical depth subsea.

A gas cap is present. Primary drive mechanisms are gas cap expansion and solution gas drive. Estimates of original oil in place ("OOIP") in the Pt. McIntyre reservoir range from 750 to 800 MMSTBO, and original gas in place ("OGIP") estimates range from 750 to 870 billion standard cubic feet ("BSCF"), of which 160 to 240 BSCF is non-associated free gas.

[Structure Map](#)

[Strat Column](#)

Orig. Oil in Place: 750 to 800 MMSTB (CO 317)

Orig. Gas in Place: 750 to 870 BSCF (CO 317)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	376,071,984	8,031,145	638,764,638	334,176,621
2001 Total	18,093,813	599,667	56,250,983	46,803,394
2002 Total	14,744,141	471,841	57,465,383	39,713,550
2003 Total	13,319,766	517,815	51,776,642	36,254,498

2004 Total	13,321,984	744,105	64,807,760	54,117,725
2003 Daily Rate	36,493	1,419	141,854	99,327
2004 Daily Rate	36,499	2,039	177,556	148,268
Change (%)	0%	44%	25%	49%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Prudhoe Bay Unit, PM Stump Island

Operator: BP Exploration (Alaska) Inc.

Discovery Well: Arco / Exxon

Point McIntyre No. 3

Permit #189-003

API No. 50-029-21779-90-00

Sec. 15, T12N, R14E, UM

Depth: 11,035' MD / 10,483' TVD

March 22, 1988

Status: **Plugged and Abandoned**

Location: **Central Arctic Slope**

Orders: [Complete List](#)

Summary:

[Area Location Map](#)

[DNR Unit Map](#)

Discovered in 1993, the Stump Island Oil Pool lies within the Cretaceous-aged Seabee Formation in the northernmost portion of the Prudhoe Bay Unit. This pool is defined as the accumulation of hydrocarbons common to and which correlates with the interval from 8,759' to 8,930' measured depth in the Pt. McIntyre No. 3 well. It overlies the gas cap and oil column in the Kuparuk and Kalubik Formations that comprise the Pt. McIntyre Oil Pool. The Stump Island Oil Pool is separated from the Pt. McIntyre Oil Pool by a series of Cretaceous marine shales that range from approximately fifty to more than two hundred feet thick.

Oil within the Stump Island reservoir is stratigraphically trapped in discontinuous sandstones of limited areal extent within the Seabee Formation. Only the Pt. McIntyre No. 3 well proved capable of hydrocarbon production from the Stump Island reservoir, and it is thought to be an isolated occurrence. Insufficient subsurface data currently exists to accurately characterize the Stump Island reservoir or estimate the total volume of hydrocarbons in place, but the reserves are believed to be minor in relation to those of the Pt. McIntyre Oil Pool.

[Strat Column](#)

Orig. Oil in Place: Not published

Production: None

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	0	0	0	0
2001 Total	0	0	0	0
2002 Total	0	0	0	0
2003 Total	0	0	0	0
2004 Total	0	0	0	0
2003 Daily Rate	0	0	0	0
2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	0

AOGCC Pool Statistics

Prudhoe Bay Unit, PM Undef Oil Pool

Operator: BP Exploration (Alaska) Inc.
Discovery Well: BP Exploration (Alaska) Inc.
Prudhoe Bay Un PTM P1-09
Permit #196-154
API No. 50-029-22704-00-00
Sec. 16, T12N, R14E, UM
Depth: 13,242' MD / 10,055' TVD
January 25, 1997

Status: **Plugged and Abandoned**
Location: **Central Arctic Slope** [Area Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary: The Point McIntyre Undefined Oil Pool was drilled and produced by a single well, Point McIntyre P1-09. This well was drilled to a depth of 13,242' measured depth (10,055' true vertical depth), perforated in the lower Shublik Formation and the uppermost Ivishak Formation (13,020' to 13,070' measured depth; 9,976' to 9,994' true vertical depth), and tested during January and February 1997. Total recovery was 33,480 barrels of oil, 30,008 MCF of gas, and 13,127 barrels of water over 31 operating days, which yield average daily production rates of 1,080 barrels of oil, 968 MCF of gas, and 423 barrels of water. The perforations in this undefined pool were plugged by cement squeeze on May 16, 1997.

[Strat Column](#)

Orig. Oil in Place: Not published

Production: [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	33,480	0	30,008	13,127
2001 Total	0	0	0	0
2002 Total	0	0	0	0
2003 Total	0	0	0	0
2004 Total	0	0	0	0
2003 Daily Rate	0	0	0	0
2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	0

AOGCC Pool Statistics

Prudhoe Bay Unit, Ugnu Undef WTRSP Pool

Operator: BP Exploration (Alaska) Inc.

Discovery Well: BP Exploration (Alaska) Inc.
Prudhoe Bay Un UGN W-400
Permit #203-165
API No. 50-029-23180-00-00
Sec. 21, T11N, R12E, UM
Depth: 5,285' MD / 4,391' TVD
May 20, 2004

Status: Producing Water

Location: Central Arctic Slope [Area Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary: The Prudhoe Bay Unit Ugnu undefined water pool tapped by a single supply well, Prudhoe Bay Unit UGN W-400, that was drilled during October 2003 and completed in the Spring of 2004. Water production began in September 2004, and totaled 1,046,846 barrels by year-end.

Production:

[Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	0	0	0	1,046,846
2001 Total	0	0	0	0
2002 Total	0	0	0	0
2003 Total	0	0	0	0
2004 Total	0	0	0	1,046,846
2003 Daily Rate	0	0	0	0
2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	-

AOGCC Pool Statistics

Prudhoe Bay Unit, West Beach Oil Pool

Operator: BP Exploration (Alaska) Inc.

Discovery Well: ARCO Alaska, Inc.

Prudhoe Bay Unit WBH WB-03

Permit #176-034

API No. 50-029-20208-00-00

Sec. 25, T12N, R14E, UM

Depth: 11,835' MD / 8,623' TVD

July 26, 1976

Status: Shut-in

Location: Central Arctic Slope [Area Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary:

The West Beach Oil Pool was discovered in 1976 by ARCO's West Beach No. 3 well, which encountered approximately 12 feet of hydrocarbon bearing sand in the Kuparuk Formation ("Kuparuk") that tested at a rate of 2.4 MMCFD of gas and 208 B/D of condensate. West Beach No. 4, drilled approximately 1.2 miles east of West Beach No. 3 in 1991, penetrated 199' of oil column in the Kuparuk. Following fracture stimulation, the well tested 2,459 barrels of oil with a minor amount of water. No oil-water or gas-oil contact was encountered in either well. Three dimensional seismic data and subsurface well data support an interpretation that wells WB#3B and WB#4 penetrated a single fault block, which appears to be in partial fault contact with the Pt McIntyre oil accumulation to the north and with the Lisburne Oil Pool to the south. Reported reservoir are 12.1% to 25.8% porosity, 25 to 189 millidarcies permeability, and 35% to 41% water saturation. Volumetric estimates range between 12 and 65 MMB oil in place and 10 to 56 BCF gas originally in place. Regular production from the pool began from a single well in April 1993, and quickly peaked at an average daily rate of 4,033 barrels of oil per day in July 1993. By July of 1997, oil production had dropped to about 1,000 barrels per day. Two additional wells were brought on line in the spring and summer of 1999. Oil production climbed to 3,426 barrels per day by August 1999, but then declined rapidly to less than 1,000 barrels per day by July 2000. The last recorded month of production was August 2004, which averaged 48 barrels of oil and 815 MCF of gas per day.

[Strat Column](#)

Orig. Oil in Place: 12 to 65 MMSTB (CO 311)

Orig. Gas in Place: 10 to 56 BCF (CO 311)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	3,360,694	0	20,011,808	137,174
2001 Total	110,309	0	1,453,206	8,607
2002 Total	3,600	0	47,901	13,006
2003 Total	9,769	0	201,454	55,924
2004 Total	4,653	0	58,898	14,487
2003 Daily Rate	153	0	3,148	874
2004 Daily Rate	245	0	3,100	762
Change (%)	60%	0%	-2%	-13%

AOGCC Pool

Prudhoe Bay Unit, W Beach Tertiary Undef WTR

StatisticsPool

Operator: BP Exploration (Alaska) Inc.

Discovery Well: Arco / Exxon

West Beach No. 3

Permit #176-034

API No. 50-029-20208-00-00

Sec. 25, T12N, R14E, UM

Depth: 11,835' MD / 8,623' TVD

July 22, 1976

Status: Shut-in

Location: Central Arctic Slope [Area Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary: A single well, Prudhoe Bay WBH WB - 07, produces from this pool. This vertical well was drilled to a depth of 4,370' measured depth (4,366' true vertical depth) and completed as a water supply well during 2000. Water production began in December 2000 and continued until September 2003. Total production was 5,432,157 barrels of water over 796 operating days, an average daily rate of 6,824 barrels.

Production: [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	0	0	0	5,432,157
2001 Total	0	0	0	1,231,349
2002 Total	0	0	0	2,605,980
2003 Total	0	0	0	1,552,543
2004 Total	0	0	0	0
2003 Rate (b/d)	0	0	0	7,179
2004 Rate (b/d)	0	0	0	0
Change (%)	0	0	0	-

AOGCC Pool Statistics

Redoubt Shoal Field, Undef Oil Pool

Operator: Forest Oil Corporation

Discovery Well: Pan American Petroleum Corp.
Redoubt Shoal Unit No. 2
Permit #168-059
API No. 50-733-20040-01-00
Sec. 19, T07N, R13W, SM
Depth:14,060' MD / 12,410' TVD
September 21, 1968

Status: **Producing**

Location: **Offshore Cook Inlet** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary: The Redoubt Unit undefined oil pool is located beneath the Cook Inlet, about 2-1/2 miles offshore and approximately 65 miles southwest of Anchorage. The Pan Am Redoubt Shoal No. 2 exploration well discovered this accumulation in 1968. It lies within the Hemlock Formation, about 11,500' below sea level. In 2000, Forest Oil Corporation ("Forest") set Osprey, the 16th Cook Inlet platform, explore and develop the field. Regular production began in December 2000, and average daily production peaked in May 2003 at rates of 3,481 barrels of oil, 853 MCF of gas, and 2,742 barrels of water from four producing wells. During December 2004, daily production from the pool averaged 761 barrels of oil, 293 barrels of water, and 186 MCF of gas from two producers.

[Structure Map](#)

[Strat Column](#)

Orig. Oil in Place: Not available

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	1,519,282	0	371,988	1,399,244
2001 Total	1,221	0	0	0
2002 Total	46,328	0	7,829	3,084
2003 Total	910,694	0	211,827	791,262
2004 Total	559,443	0	137,063	604,649
2003 Daily Rate	2,495	0	580	2,168
2004 Daily Rate	1,533	0	376	1,657
Change (%)	-39%	0	-35%	-24%

AOGCC Pool Statistics

Swanson River Field, Hemlock Oil Pool

Operator: Union Oil Company of California
Discovery Well: Richfield Oil Corporation
Swanson River Unit No. 1
Permit #100-145
API No. 50-133-10136-00-00
Sec. 10, T08N, R09W, SM
Depth: 12,384' MD / 12,384' TVD
July 19, 1957

Status: **Producing**
Location: **Central Arctic Slope** [Area Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary: Swanson River No. 1 was spudded on April 5, 1957, and on July 19, 1957 tested 900 barrels per day -- the first significant commercial oil find in the Cook Inlet Basin. Continuous production from the Hemlock Formation began in October 1958 from the Swanson River Unit No. 34-10 well. By June 1962, 50 wells had been drilled, and the field was producing more than 20,000 barrels of oil per day. Production peaked in November 1967, averaging 38,323 barrels of oil per day, but by April 1970, it dropped below 35,000 barrels per day, and began declining. Ten years later, in April 1980, average daily oil production was 10,640 barrels, and twenty years later, in April 1990, oil production averaged 5,200 barrels per day. In April 2000, oil production from the Hemlock Oil Pool averaged 1,860 barrels per day, and during December 2004, it averaged 752 barrels per day.

[Structure Map](#) [Strat Column](#)
Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	228,619,957	1,398,720	2,858,564,409	117,559,418
2001 Total	609,444	0	29,121,391	2,818,451
2002 Total	476,552	0	12,177,469	2,573,251
2003 Total	425,482	0	7,143,553	2,572,562
2004 Total	320,241	0	2,518,612	2,226,403
2003 Rate (b/d)	1,166	0	19,571	7,048
2004 Rate (b/d)	877	0	6,900	6,100
Change (%)	-25%	0	-65%	-13%

AOGCC Pool Statistics

Trading Bay Field, Tyonek G NE/Hem NE Oil Pools

Operator: Union Oil Company of California
Discovery Well: Union Oil Company of California
Trading Bay No. 1-A
Permit #165-013
API No. 50-733-10052-00-00
Sec. 04, T09N, R13W, SM
Depth: 6,532' MD / 6,532' TVD
June 17, 1965

Status: **Suspended**
Location: **Cook Inlet** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

The Trading Bay "G" NE Oil Pool is defined as the accumulation of oil common to and correlative with the interval from 10,073' to 10,250' in the Texaco-Superior TS No. 1 well (now known as Marathon Oil Company's N. Trading Bay Unit No. SPR-01; permit to drill no. 168-048). The Trading Bay Trading Bay Hemlock NE Oil Pool is defined as the accumulation of oil common to and which correlates with the interval 10,275' to 10,635' in the same well. The affected area for the pool is: SE/4 of Section 22, all of Section 23, all of Section 26, E/2 of Section 27, E/2 and NW/4 of Section 34, and all of Section 35 of T10N, R13W, S.M.

Commingling of Trading Bay "G" NE Oil Pool and Trading Bay Hemlock NE Oil Pool fluids is permitted in the well bore. Spacing permitted is a total of not more than two completed oil wells per governmental quarter section. Continuous production from the pool began in January 1986, and the last significant reported production was in July 1992. Water injection for enhanced recovery purposes began in January 1972 and ended in March 1981. API gravities for the "G" NE and Hemlock NE oil pools are 35.8 and 36.2 degrees, respectively.

[Structure Map](#) [Strat Column](#) [Type Log](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	0	0	0	0
2001 Total	0	0	0	0
2002 Total	0	0	0	0
2003 Total	0	0	0	0
2004 Total	0	0	0	0
2003 Daily Rate	0	0	0	0
2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	0

AOGCC Pool Statistics

Trading Bay Field, Hemlock Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 25 July 2005

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Operator: Union Oil Company of California

Discovery Well: Union Oil Company of California

Trading Bay No. 1-A

Permit #165-013

API No. 50-733-10052-00-00

Sec. 04, T09N, R13W, SM

Depth: 6,532' MD / 6,532' TVD

June 17, 1965

Status:

Location: [Cook Inlet](#) [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#) [Strat Column](#) [Type Log](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	14,101,098	51,753	14,614,672	8,784,272
2001 Total	175,372	0	185,495	522,154
2002 Total	215,318	0	220,568	468,655
2003 Total	142,368	0	139,539	521,491
2004 Total	114,546	0	98,852	475,786
2003 Rate (b/d)	390	0	382	1,429
2004 Rate (b/d)	314	0	271	1,304
Change (%)	-19%	0	-29%	-9%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Trading Bay Field, Mid Kenai B Oil Pool

Operator: Union Oil Company of California

Discovery Well: Union Oil Company of California

Trading Bay No. 1-A

Permit #165-013

API No. 50-733-10052-00-00

Sec. 04, T09N, R13W, SM

Depth: 6,532' MD / 6,532' TVD

June 17, 1965

Status: **Producing**

Location: **Cook Inlet** [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

[Type Log](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	4,002,899	0	3,383,694	818,258
2001 Total	70,451	0	23,648	33,635
2002 Total	78,368	0	37,133	36,687
2003 Total	57,484	0	19,031	21,993
2004 Total	67,554	0	16,711	28,395
2003 Rate (b/d)	157	0	52	60
2004 Rate (b/d)	185	0	46	78
Change (%)	18%	0	-12%	30%

AOGCC Pool Statistics

Trading Bay Field, Mid Kenai C Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 25 July 2005

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Operator: Union Oil Company of California

Discovery Well: Union Oil Company of California

Trading Bay No. 1-A

Permit #165-013

API No. 50-733-10052-00-00

Sec. 04, T09N, R13W, SM

Depth: 6,532' MD / 6,532' TVD

June 17, 1965

Status:

Location: [Cook Inlet](#) [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

[Type Log](#)

Production: [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	20,653,845	0	14,353,525	29,918,045
2001 Total	90,029	0	96,827	374,222
2002 Total	107,457	0	88,833	770,577
2003 Total	100,300	0	51,309	687,117
2004 Total	69,680	0	33,844	500,636
2003 Rate (b/d)	275	0	141	1,883
2004 Rate (b/d)	191	0	93	1,372
Change (%)	-31%	0	-34%	-27%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Trading Bay Field, Mid Kenai D Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 25 July 2005

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Operator: Union Oil Company of California
Discovery Well: Union Oil Company of California
Trading Bay No. 1-A
Permit #165-013
API No. 50-733-10052-00-00
Sec. 04, T09N, R13W, SM
Depth: 6,532' MD / 6,532' TVD
June 17, 1965

Status:
Location: [Cook Inlet](#) [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Type Log](#)
Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	29,257,860	0	24,017,242	24,202,258
2001 Total	146,279	0	82,441	364,516
2002 Total	173,249	0	70,200	726,450
2003 Total	161,129	0	42,672	651,139
2004 Total	137,288	0	35,927	595,621
2003 Rate (b/d)	441	0	117	1,784
2004 Rate (b/d)	376	0	98	1,632
Change (%)	-15%	0	-16%	-9%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Trading Bay Field, Mid Kenai E Oil Pool

Operator: Union Oil Company of California
Discovery Well: Union Oil Company of California
Trading Bay No. 1-A
Permit #165-013
API No. 50-733-10052-00-00
Sec. 04, T09N, R13W, SM
Depth: 6,532' MD / 6,532' TVD
June 17, 1965

Status:
Location: [Cook Inlet](#) [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Type Log](#)
Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	8,279,149	0	6,704,716	3,894,058
2001 Total	78,334	0	25,713	68,761
2002 Total	76,381	0	24,307	61,379
2003 Total	72,407	0	18,022	60,107
2004 Total	58,570	0	14,382	59,170
2003 Rate (b/d)	198	0	49	165
2004 Rate (b/d)	160	0	39	162
Change (%)	-19%	0	-20%	-2%

AOGCC Pool Statistics

Trading Bay Field, Undefined Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 25 July 2005

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Operator: Union Oil Company of California
Discovery Well: Union Oil Company of California
Trading Bay No. 1-A
Permit #165-013
API No. 50-733-10052-00-00
Sec. 04, T09N, R13W, SM
Depth: 6,532' MD / 6,532' TVD
June 17, 1965

Status:
Location: **Cook Inlet** [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)
Orders: [Strat Column](#)
Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	1,389,708	0	648,268	930,238
2001 Total	13,865	0	5,478	38,591
2002 Total	15,341	0	8,408	36,575
2003 Total	14,613	0	3,887	29,091
2004 Total	14,036	0	5,081	30,508
2003 Daily Rate	40	0	11	80
2004 Daily Rate	38	0	14	84
Change (%)	-5%	0	27%	5%

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Trading Bay Field, W Foreland Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 25 July 2005

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Operator: Union Oil Company of California

Discovery Well: Union Oil Company of California

Trading Bay No. 1-A

Permit #165-013

API No. 50-733-10052-00-00

Sec. 04, T09N, R13W, SM

Depth: 6,532' MD / 6,532' TVD

June 17, 1965

Status:

Location: [Cook Inlet](#) [Area Location Map](#) [Field Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#) [Structure Map](#) [Strat Column](#) [Type Log](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	61,120	0	28,517	9,611
2001 Total	0	0	0	0
2002 Total	0	0	0	0
2003 Total	0	0	0	0
2004 Total	0	0	0	0
2003 Daily Rate	0	0	0	0
2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	0

Continued: 1 > 2 > 3

AOGCC Pool Statistics

Umiat Field, Undef Oil Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 25 July 2005

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Operator: U.S. Department of the Interior

Discovery Well: U. S. Navy

Umail Test No 3

Permit #100-211

API No. 50-287-10003-00-00

Sec. 03, T01S, R01W, SM

Depth: 572 MD / 572' TVD

December 26, 1946

Status: Shut-in

Location: Central Arctic Slope

Orders: None

[Strat Column](#)

[Area Location Map](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	0	0	0	0
2001 Total	0	0	0	0
2002 Total	0	0	0	0
2003 Total	0	0	0	0
2004 Total	0	0	0	0
2003 Daily Rate	0	0	0	0
2004 Daily Rate	0	0	0	0
Change (%)	0	0	0	0

Continued: 1 > 2 > 3

Operator: Forest Oil Corporation

Discovery Well: Stewart Petroleum Company

W McArthur River No. 1

Permit #190-099

API No. 50-133-20419-00-00

Sec.10, T08N, R14W, SM

Depth: 13,742' MD / 9,851' TVD

December 2, 1991

Status: **Producing**

Location: **Western Cook Inlet** [Area Location Map](#) [Unit Location Map](#) [DNR Unit Map](#)

Orders: [Complete List](#) [Structure Map](#) [Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Oil (bbls)	NGL (bbls)	Gas (mcf)	Water (bbls)
Cumulative	10,487,723	0	2,488,417	10,693,733
2001 Total	1,222,254	0	287,949	1,013,046
2002 Total	1,018,398	0	239,324	453,404
2003 Total	849,195	0	199,559	1,027,299
2004 Total	669,220	0	157,591	1,022,667
2003 Daily Rate	2,327	0	547	2,815
2004 Daily Rate	1,833	0	432	2,802
Change (%)	-21%	0	-21%	-%

AOGCC Pool Statistics

Ninilchik Unit, Falls Ck Tyonek Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 05 August 2005

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Operator: Marathon Oil Company

Discovery Well: Chevron USA

Falls Creek Unit No. 1

Permit #160-042

API No. 50-133-10005-00-00

Sec. 06, T01N, R12W, SM

Depth: 13,795' MD / 13.382' TVD

June 21, 1961

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [DNR Unit Map](#)

Orders: **None**

[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	5,979,065	6,875	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	1,088,595	803	0
2004 Total	4,871,487	6,072	0
2003 Rate (/d)	2,982	2	0
2004 Rate (/d)	13,347	17	0
Change (%)	348%	750%	-

Continued: 1 > 2

AOGCC Pool Statistics

Ninilchik Unit, G. Oskolkoff Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 05 August 2005

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Operator: Marathon Oil Company

Discovery Well: Marathon Oil Company
Grassim Oskolkoff No. 1
Permit #200-082
API No. 50-133-20493-00-00
Sec.23, T01N, R13W, SM
Depth: 11,600' MD / 8,510' TVD
July 31, 2001

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [DNR Unit Map](#)

Orders: **None**
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	5,462,004	2,081	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	1,760,238	632	0
2004 Total	3,701,766	1,449	0
2003 Rate (/d)	4,823	2	0
2004 Rate (/d)	10,142	4	0
Change (%)	110%	100%	-

Continued: 1 > 2

AOGCC Pool Statistics

Ninilchik Unit, S. Dionne Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 05 August 2005

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Operator: Marathon Oil Company

Discovery Well: Marathon Oil Company
Susan Dionne No. 3
Permit #202-070
API No. 50-133-20512-00-00
Sec. 06, T01S, R13W, SM
Depth: 10,255' MD / 8,102' TVD
July 30, 2002

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [DNR Unit Map](#)

Orders: **None**
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	3,988,469	12,121	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	194,663	15	0
2004 Total	3,793,836	12,106	0
2003 Rate (/d)	533	0	0
2004 Rate (/d)	10,394	33	0
Change (%)	1850%	-	-

Continued: 1 > 2

AOGCC Pool Statistics

North Cook Inlet Field, Tertiary Gas Pool

Operator: ConocoPhillips Alaska Inc.
Discovery Well: Pan American Petroleum Corporation
Cook Inlet St 17589 No. 1
Permit #162-008
API No. 50-883-10012-00-00
Sec. 06, T11N, R09W, SM
Depth: 12,237' MD / 12,237' TVD
August 22, 1962

Status: **Producing**
Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
Summary:

[Structure Map](#) [Strat Column](#)
Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	1,662,365,485	592,246	108,687
2001 Total	55,530,531	19,309	271
2002 Total	54,574,242	6,667	2,050
2003 Total	47,919,811	13,521	2,804
2004 Total	41,012,343	78,437	75,640
2003 Rate (/d)	131,287	37	8
2004 Rate (/d)	112,363	215	207
Change (%)	-14%	481%	2,488%

Continued: 1 > 2

AOGCC Pool Statistics

North Fork Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 13 June 2006

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Operator: Gas-Pro Alaska

Discovery Well: Standard Oil Co. of California
North Fork Unit 41-35
Permit #165-021
API No. 50-231-10004-00-00
Sec. 35, T04S, R14W, SM
Depth: 12,812' MD / 12,812' TVD
December 20, 1965

Status: **Suspended**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [DNR Unit Map](#)

Orders: **None**

Summary:

[Strat Column](#)

Production: [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	104,595	0	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	0	0	0
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	0	0
Change (%)	-	-	-

Continued: 1 > 2

AOGCC Pool Statistics

Pioneer Unit, Tyonek Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 21 Feb 2006

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Operator: Pioneer Natural Resources Company

Discovery Well: Pioneer Natural Resources Company
Pioneer Unit 1702 15DA-WD
Permit #199-064
API No. 50-009-20015-00-00
Sec. 15, T17N, R02W, SM
Depth: 4,265' MD / 4,265' TVD
September 9, 1999

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary: In July of 2004, Evergreen Resources (Alaska) Corporation ("Evergreen") curtailed pilot production from the Pioneer Unit coal bed methane ("CBM") project near Wasilla, Alaska. During September, Evergreen merged with Dallas-based Pioneer Natural Resources Company ("Pioneer"). At the end of September, Pioneer announced that it was releasing all existing shallow gas leases in the Matanuska-Susitna Borough acquired as part of its merger with Evergreen, and withdrawing exploration license applications made by Evergreen in August 2004.

Strat Column

Production:	Prod Chart	Prod Report	Prod Data	Disp Chart	Disp Report	Disp Data
		Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)		
Cumulative		2,952	95,331	119,240		
2001 Total		0	0	0		
2002 Total		0	0	0		
2003 Total		2,156	62,341	80,231		
2004 Total		796	32,990	36,209		
2003 Rate (/d)		6	171	220		
2004 Rate (/d)		2	90	99		
Change (%)		-67%	-47%	-55%		

Continued: 1 > 2

AOGCC Pool Statistics

Point Thomson Unit, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 05 August 2005

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Operator: Exxon Corporation

Discovery Well: Exxon Corporation
Alaska State A-1
Permit #174-014
API No. 50-089-20003-00-00
Sec. 27, T10N, R24E, UM
Depth: 14,206' MD / 14,206' TVD
September 11, 1975

Status: **Suspended**

Location: **Central North Slope** [Area Loc. Map](#) [Unit Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

Summary:
[Strat Column](#)

Production:

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	0	0	6,464
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	0	0	0
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	0	0
Change (%)	-	-	-

Continued: 1 > 2

AOGCC Pool Statistics

Pretty Creek Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 05 August 2005

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Operator: Union Oil Company of California
Discovery Well: Union Oil Company of California
Pretty Creek Unit No. 2
Permit #179-009
API No. 50-283-20022-00-00
Sec. 33, T14N, R09W, SM
Depth: 12,025' MD / 12,025' TVD
February 20, 1979

Status: **Producing**
Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	8,930,952	8,556	0
2001 Total	80,465	71	0
2002 Total	1,358,634	316	0
2003 Total	427,900	15	0
2004 Total	658,034	560	0
2003 Rate (/d)	1,172	0	0
2004 Rate (/d)	1,803	2	0
Change (%)	54%	-	-

Continued: 1 > 2

AOGCC Pool Statistics

Redoubt Shoal Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Forest Oil Corporation
Discovery Well: Forest Oil Corporation
Redoubt Shoal No. 3
Permit #201-064
API No. 50-733-20504-00-00
Sec. 14, T07N, R14W, SM
Depth: 16,940' MD / 13,016' TVD
April 23, 2003

Status: Shut-in
Location: Cook Inlet [Area Loc. Map](#) [Unit Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	451,933	0	1,002,613
2001 Total	0	0	0
2002 Total	0	0	99,172
2003 Total	461,344	0	331,185
2004 Total	1,152	0	545,847
2003 Rate (/d)	1,264	0	907
2004 Rate (/d)	3	0	1,495
Change (%)	-	-	65%

Continued: 1 > 2

AOGCC Pool Statistics

Sterling Field, Beluga Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Marathon Oil Company

Discovery Well: Union Oil Co. of California

Sterling Unit No. 23-15

Permit #161-014

API No. 50-133-10012-00-00

Sec. 15, T05N, R10W, SM

Depth: 14,832' MD / 14,832' TVD

August 4, 1961

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)

Orders: [Complete List](#)

[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	486,257	5,366	12,391
2001 Total	25,173	45	0
2002 Total	220,213	2,168	0
2003 Total	109,674	2,228	0
2004 Total	103,062	597	12,391
2003 Rate (/d)	300	6	0
2004 Rate (/d)	282	2	58
Change (%)	-6%	-67%	-

Continued: 1 > 2

AOGCC Pool Statistics

Sterling Field, Tyonek Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Marathon Oil Company
Discovery Well: Union Oil Co. of California
Sterling Unit No. 23-15
Permit #161-014
API No. 50-133-10012-00-00
Sec. 15, T05N, R10W, SM
Depth: 14,832' MD / 14,832' TVD
August 4, 1961

Status: **Producing**
Location: **Cook Inlet Basin** [Area Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	171,592	2,758	12,391
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	6,505	380	0
2004 Total	23,716	1,758	12,391
2003 Rate (/d)	18	1	0
2004 Rate (/d)	65	5	58
Change (%)	265%	500%	-

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AOGCC Pool Statistics

Sterling Field, Sterling Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Marathon Oil Company
Discovery Well: Union Oil Co. of California
Sterling Unit No. 23-15
Permit #161-014
API No. 50-133-10012-00-00
Sec. 15, T05N, R10W, SM
Depth: 14,832' MD / 14,832' TVD
August 4, 1961

Status: **Producing**
Location: **Cook Inlet Basin** [Area Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	3,699,850	39,139	12,391
2001 Total	123,451	131	0
2002 Total	331,792	7,543	0
2003 Total	241,846	15,112	0
2004 Total	172,933	13,596	12,391
2003 Rate (/d)	663	41	0
2004 Rate (/d)	473	37	58
Change (%)	-28%	-10%	-

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AOGCC Pool Statistics

Stump Lake Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Union Oil Company of California

Discovery Well: Chevron USA Inc.
Stump Lake Unit No. 41-33
Permit #176-086
API No. 50-283-20055-00-00
Sec. 33, T14N, R08W, SM
Depth: 11,660' MD / 11,660' TVD
May 1, 1978

Status: **Producing**

Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)

Orders:

[Structure Map](#)

[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	5,643,301	493	0
2001 Total	482	0	0
2002 Total	0	0	0
2003 Total	277	0	0
2004 Total	0	0	0
2003 Rate (/d)	1	0	0
2004 Rate (/d)	0	0	0
Change (%)	-	-	-

Continued: 1 > 2

AOGCC Pool Statistics Swanson River Field, Beluga Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Union Oil Company of California
Discovery Well: Standard Oil of California
Swanson River Unit 212-10
Permit #160-018
API No. 50-133-10135-00-00
Sec. 10, T08N, R09W, SM
Depth: 12,029' MD / 11,566' TVD
May 18, 1960

Status: **Producing***
Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production:* [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	1,342,725	18,006	53,308,581
2001 Total	839,342	0	2,819,985
2002 Total	785,098	1,370	2,577,467
2003 Total	363,125	16,636	2,720,342
2004 Total	194,502	0	2,229,192
2003 Rate (/d)	944	45	7,453
2004 Rate (/d)	532	0	6,107
Change (%)	12%	-	-18%

*New pool for 2005. The gas volumes reported in the table above were previously assigned to the Tyonek Undefined Gas Pool.

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AOGCC Pool Statistics Swanson River Field, Sterling Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Union Oil Company of California
Discovery Well: Standard Oil of California
Swanson River Unit 212-10
Permit #160-018
API No. 50-133-10135-00-00
Sec. 10, T08N, R09W, SM
Depth: 12,029' MD / 11,566' TVD
May 18, 1960

Status: **Producing***
Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production:* [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	26,241,714	301,351	53,308,581
2001 Total	646,457	186	2,819,985
2002 Total	696,361	1,598	2,577,467
2003 Total	1,326,180	120,684	2,720,342
2004 Total	1,973,017	1,265	2,229,192
2003 Rate (/d)	3,633	330	7,453
2004 Rate (/d)	5,406	3	6,107
Change (%)	49%	-99%	-18%

*New pool for 2005. The gas volumes reported in the table above were previously assigned to the Tyonek Undefined Gas Pool.

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AOGCC Pool Statistics Swanson River Field, Tyonek Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Union Oil Company of California
Discovery Well: Standard Oil of California
Swanson River Unit 212-10
Permit #160-018
API No. 50-133-10135-00-00
Sec. 10, T08N, R09W, SM
Depth: 12,029' MD / 11,566' TVD
May 18, 1960

Status: **Producing**
Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	16,542,931	416,428	53,308,581
2001 Total	192,885	1,348	2,819,985
2002 Total	3,068	0	2,577,467
2003 Total	155,251	1,408	2,720,342
2004 Total	1,579,957	1,266	2,229,192
2003 Rate (/d)	425	4	7,453
2004 Rate (/d)	4,329	3	6,107
Change (%)	909%	-25%	-18%

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AOGCC Pool Statistics

Trading Bay Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Marathon Oil Company
Discovery Well: Texaco Inc.
N Trading Bay Unit SPR-3
Permit #168-065
API No. 50-733-20133-00-00
Sec. 34, T10N, R13W, SM
Depth: 10,250' MD / 10,094' TVD
October 5, 1979

Status: **Producing**
Location: **Cook Inlet** [Area Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	5,292,169	120,872	121,557
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	100,598	20,562	20,696
2004 Total	27,431	9,800	9,800
2003 Rate (/d)	276	56	57
2004 Rate (/d)	75	27	27
Change (%)	-73%	-52%	-57%

Continued: 1 > 2

AOGCC Pool Statistics

West Foreland Field, Undef Gas Pool

Operator: Forest Oil Corporation
Discovery Well: Pan American Petroleum Corp.
West Foreland No. 1
Permit #161-049
API No. 50-133-10028-00-00
Sec. 21, T08N, R14W, SM
Depth: 13,500' MD / 13,500' TVD
March 27, 1962

Status: **Producing**
Location: **Cook Inlet** [Area Loc. Map](#)
Orders: [Complete List](#)
Summary:

The West Foreland undefined gas pools were discovered in 1962 by the Pan American Petroleum Corporation's ("Pan Am") West Foreland No. 1 oil exploration well. Production tests conducted in two Lower Tyonek sands flowed at rates from 5 to 8 million cubic feet of gas per day. Amoco carried out an extended flow test in February and March of 1984 that yielded 7.7 million cubic feet of gas per day.

In April 2001, the current operator, Forest Oil Corporation ("Forest"), placed West Foreland No. 1 on continuous production from the Tyonek Undefined 4.0 Gas Pool. Production from the pool peaked in November 2003, when the average daily rate reached 3.4 million cubic feet per day. By December 2004, the production from the pool decreased to 2.6 million cubic feet of gas per day.

During 2004, Forest permitted and drilled West Foreland No. 2, a gas development well. A company press release dated February 16, 2005, reported that the well had been drilled upstructure to West Foreland No. 1, and that it had tested 15 million cubic feet of gas per day from two zones.

During December 2004, Forest put West Foreland No. 2 on continuous production from the Tyonek Undefined 4.2 pool, and it averaged 2.8 million cubic feet of gas per day.

[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	2,121,484	0	0
2001 Total	58,539	0	0
2002 Total	60,065	0	0
2003 Total	940,110	0	0
2004 Total	1,024,590	0	0
2003 Rate (/d)	2,576	0	0
2004 Rate (/d)	2,807	0	0
Change (%)	9%	-	-

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AOGCC Pool Statistics

Walakpa Field, Walakpa Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: North Slope Borough

Discovery Well: Husky Oil
Walakpa No. 1
Permit #100-042
API No. 50-023-20013-00-00
Sec. 09, T20N, R19W, UM
Depth: 3,666' MD / 3,666' TVD
February 7, 1980

Status: **Producing**

Location: **Western Arctic Slope** [Area Loc. Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	13,912,605	14	0
2001 Total	1,347,554	0	0
2002 Total	1,251,033	14	0
2003 Total	1,235,479	0	0
2004 Total	1,245,4730	0	0
2003 Rate (/d)	3,385	0	0
2004 Rate (/d)	3,412	0	0
Change (%)	1%	-	-

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AOGCC Pool Statistics

West Fork Field, Sterling A Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Marathon Oil Company

Discovery Well: Halbouty Alaska Oil Co.
Ak Oil & Mineral King Oil No 1B
Permit #160-024
API No. 50-133-10019-00-00
Sec. 21, T06N, R09W, SM
Depth: 14,019' MD / 14,019' TVD
September 26, 1960

Status: Shut-in

Location: Cook Inlet Basin [Area Loc. Map](#) [Field Loc. Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production:	Prod Report		Prod Data
	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	1,230,786	12,431	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	0	0	0
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	0	0
Change (%)	-	-	-

Continued: 1 > 2

AOGCC Pool Statistics

West Fork Field, Sterling B Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Marathon Oil Company
Discovery Well: Halbouty Alaska Oil Co.
Ak Oil & Mineral King Oil No 1B
Permit #160-024
API No. 50-133-10019-00-00
Sec. 21, T06N, R09W, SM
Depth: 14,019' MD / 14,019' TVD
September 26, 1960

Status: Shut-in
Location: Cook Inlet Basin [Area Loc. Map](#) [Field Loc. Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production:	Prod Report		Prod Data
	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	1,439,560	49,119	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	0	0	0
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	0	0
Change (%)	-	-	-

Continued: 1 > 2

AOGCC Pool Statistics

West Fork Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Marathon Oil Company

Discovery Well: Halbouty Alaska Oil Co.
Ak Oil & Mineral King Oil No 1B
Permit #160-024
API No. 50-133-10019-00-00
Sec. 21, T06N, R09W, SM
Depth: 14,019' MD / 14,019' TVD
September 26, 1960

Status: Shut-in

Location: Cook Inlet Basin [Area Loc. Map](#) [Field Loc. Map](#)

Orders: [Complete List](#)
[Strat Column](#)

Production: [Prod Chart](#) [Prod Report](#) [Prod Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	1,541,595	0	0
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	0
2004 Total	0	0	0
2003 Rate (/d)	0	0	0
2004 Rate (/d)	0	0	0
Change (%)	-	-	-

Continued: 1 > 2

AOGCC Pool Statistics

Wolf Lake Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 11 August 2005

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Operator: Marathon Oil Company.
Discovery Well: Marathon Oil Company.
Wolf Lake No. 2
Permit #184-201
API No. 50-133-20375-00-00
Sec. 29, T07N, R09W, SM
Depth: 14,451' MD / 14,086' TVD
October 31, 1998

Status: **Producing**
Location: **Cook Inlet** [Area Loc. Map](#) [Field Loc. Map](#)
Orders: [Complete List](#)
[Strat Column](#)

Production:	Prod Report		Prod Data
	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	727,600	6,798	0
2001 Total	114,210	47	0
2002 Total	299,527	1,469	0
2003 Total	240,480	2,953	0
2004 Total	73,383	2,329	0
2003 Rate (/d)	659	8	0
2004 Rate (/d)	201	6	0
Change (%)	-69%	-25%	-

Continued: 1 > 2

AOGCC Pool Statistics

Kustatan Field, Undef Disposal Pool

Alaska Oil and Gas Conservation Commission > Annual Reports > Pool Statistics - 2004: Updated 03 August 2005

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Operator: Forest Oil Company

Discovery Well: Forcenergy Inc.
Kustatan Field No. 1
Permit #200-153
API No. 50-133-20496-00-00
Sec. 04, T07N, R14W, SM
Depth: 12,300' MD / 12,300' TVD
April 1, 2003

Status: Disposal

Location: Cook Inlet Basin [Area Loc. Map](#)

Orders: [Complete List](#)

Summary:

Forest Oil Corporation has used the unsuccessful exploration well Kustatan Field No. 1 ("KF 1") to conduct disposal operations. The target injection zone is in the middle Tyonek Formation ("Tyonek") at depths below 6500' measured depth ("MD") and true vertical depth ("TVD"). The Tyonek Formation is a Tertiary-aged fluvial deposit consisting of fine- to medium-grained sandstones with interbedded siltstones, claystones, and coals, which tend to be laterally continuous over several miles. The sandstone layers within the injection zone range in thickness up to 100', and have up to 27% porosity and 50 millidarcies permeability. The interbedded siltstones, claystones, and coals provide vertical confinement for injected fluids. Approximately 40% of the 1000-foot interval overlaying the injection zone consists of laterally continuous, confining lithologies. These confining lithologies also comprise approximately 20% of the middle Tyonek Formation underlying the proposed injection interval. Disposal operations in KF 1 will not impact production, as the nearest development wells are more than 2-1/2 miles away.

Injection operations began in April 2003, reached a maximum daily rate of 3,433 barrels of water per day in May 2003, and then declined to 1,422 barrels of water per day by January 2004. Additional disposal injection occurred in April, May, September, October and November 2004. There have been no reported injection operations within this pool since November 2004.

[Strat Column](#)

Production:

[Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	0	0	475,689
2001 Total	0	0	0
2002 Total	0	0	0
2003 Total	0	0	411,169
2004 Total	0	0	63,920
2003 Rate (/d)	0	0	2,069
2004 Rate (/d)	0	0	1,639
Change (%)	-	-	-21%

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AOGCC Pool Statistics

Swanson River Field, Storage Gas Pool

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Operator: Union Oil Company of California
Discovery Well: Standard Oil of California
Swanson River Unit 212-10
Permit #160-018
API No. 50-133-10135-00-00
Sec. 10, T08N, R09W, SM
Depth: 12,029' MD / 11,566' TVD
May 18, 1960

Status: **Producing / Injecting**
Location: **Cook Inlet Basin** [Area Loc. Map](#) [Field Loc. Map](#) [DNR Unit Map](#)
Orders: [Complete List](#)

Production: [Prod/Inj Chart](#) [Prod Report](#) [Prod Data](#) [Disp Chart](#) [Disp Report](#) [Disp Data](#)

	Gas (mcf)	Water (bbls)	Disposed Fluids (bbls)
Cumulative	2,228,606	0	53,308,581
2001 Total	646,457	0	2,819,985
2002 Total	1,025,059	0	2,577,467
2003 Total	392,034	0	2,720,342
2004 Total	448,336	0	2,229,192
2003 Rate (/d)	1,074	0	7,453
2004 Rate (/d)	1,228	0	6,107
Change (%)	14%	-	-18%

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