

AOGCC Pool Statistics

Albert Kaloa Field, Undef Gas Pool

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

Page: 1 > 2

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

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Page: 1 > 2

Field Development Information:

Type Well	Status	Wells In Field				
		2004	2003	2002	2001	2000
Producer	Gas	1	0	0	0	0
Injector	Disposal	0	0	0	0	0
Non-Operating	Suspended	0	0	0	0	0
	Abandoned	1	1	1	1	1
Total		2	1	1	1	1

Active Completions in Pool (Month of December):

Type Well	Status	2004	2003	2002	2001	2000
Gas Producer	Flowing	1	0	0	0	0
	Other	0	0	0	0	0
	Shut-In	0	0	0	0	0
Disposal	Disposal Injector	0	0	0	0	0
	Shut-In	0	0	0	0	0
Total		1	0	0	0	0

Permitted Wells in Field:

Type Well	Status	2004	2003	2002	2001	2000
Development	New	0	0	0	0	0
	Sidetrack	0	0	0	0	0
	Multilateral	0	0	0	0	0
Service	New	0	0	0	0	0
Exploration	New	1	1	0	0	0
Total		1	1	0	0	0

Reservoir Properties: Beluga Formation

Description	2004	2003	2002	2001	2000
Reference Datum - ft. below sea level	3141	-	-	-	-
Temperature - ° F	87	-	-	-	-
Porosity - %	20	-	-	-	-
Permeability - md	60	-	-	-	-
Swi - %	40	-	-	-	-
Orig. Press. - psi	1550	-	-	-	-
Curr. Reservoir Press. - psi	200	-	-	-	-
Curr. Reservoir Press. - Test Date	Dec-04	-	-	-	-
Gas Specific Gravity (Air = 1.0)	.56	-	-	-	-
Gross Pay - ft.	394	-	-	-	-
Net Pay - ft.	139	-	-	-	-

[References / Summary](#)

Continued: 1 > 2

State of Alaska, Oil and Gas Conservation Commission

Production History for: ALBERT KALOA, UNDEFINED GAS Pool

Jan 1958 Dec 2004

<u>Month</u>	<u>DaysProd</u>	<u>Oil (BBL)</u>	<u>Gas (MCF)</u>	<u>Water (BBL)</u>	<u>Producing Wells</u>
Dec 1970	30	0	94687	0	1
Year Total		0	94687	0	
Jan 1971	11	0	24087	0	1
Year Total		0	24087	0	
Oct 2004	28	0	125024	25	1
Nov 2004	30	0	165927	27	1
Dec 2004	31	0	148129	17	1
Year Total		0	439080	69	
Pool Total		0	557,854	69	

T 12 N, R 12 W

T 12 N, R 11 W



Moquawkie Field

36

31

W. Moquawkie 1

Simpco E. Moquawkie 1

Simpco Moquawkie 1

6

1

Moquawkie 1

Simpco Moquawkie 2

Moquawkie 2

Tyonek Reserve 1

Moquawkie 44-8

Tyonek Reserve B 1

Simpco Kaldachabuna 1

Tyonek St 1

Albert Kaloa Field

Kaloa 2 Albert Kaloa 1

Simpco Kaloa 1

Cook Inlet

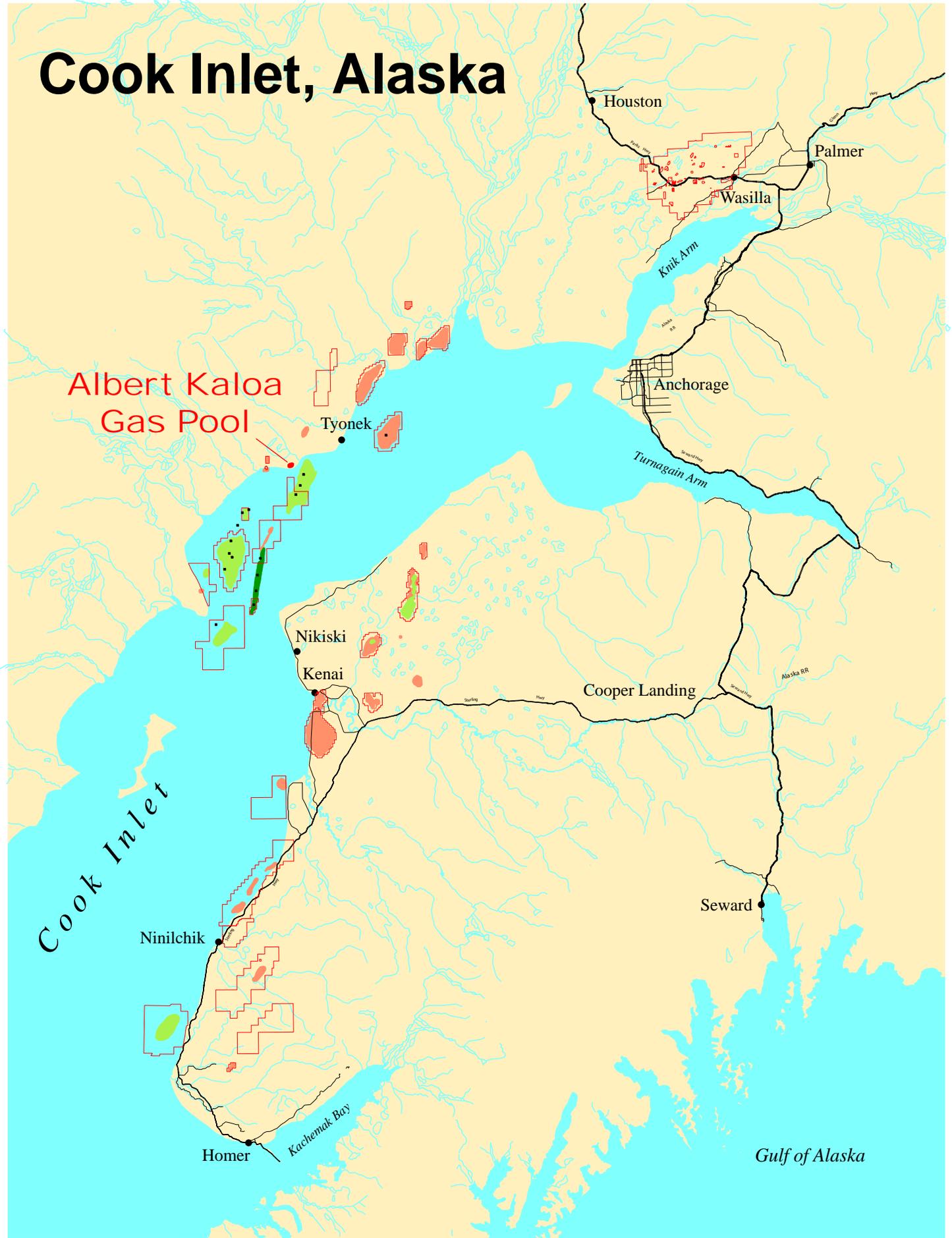
T 11 N, R 12 W

A.O.G.C.C.

Albert Kaloa Field
LOCATION MAP



Cook Inlet, Alaska



ALBERT KALOA, UNDEFINED GAS

Reference List

Alaska Oil and Gas Conservation Commission, 2005, Well and Production Information Database

American Stratigraphic Company, 1970, Gas Analysis Report, in Alaska Oil and Gas Conservation Commission Well File No. 1670310, Albert Kaloa No. 1, p. 33.

Aurora Power Resources, Inc., 2004, Aurora Gas, LLC Announces Successful Test of Kaloa #2 Well and Production Startup at Moquawkie Gas Field, Aurora Power Press Release, August 6, 2004; available on line at: <http://www.aurorapower.com/news.htm>.

Pan American Petroleum Company, 1968, Well Completion or Recompletion Report and Log, in Alaska Oil and Gas Conservation Commission Well File No. 1670310, Albert Kaloa No. 1.

PI/Dwights, 2004, 10-MMCFG/G Producer Completed on Cook Inlet's West Side; in PI/Dwights Drilling Wire, V. 50, No. 31, August 4, 2004

Cook Inlet Generalized Stratigraphic Column

TERTIARY	PLIOCENE	Sterling Fm.	     
	MIOCENE	Beluga	
		Tyonek Fm.	
	OLIGOCENE	Hemlock	
	EOCENE		
		W. Foreland	
PALEOCENE	Chickaloon Fm.		
CRETACEOUS	UPPER	Matanuska Fm.	
	LOWER	Unnamed Shale	
JURASSIC	UPPER	Naknek Fm.	
		Chinitna Fm.	
	MIDDLE	Tuxedni Gp.	
LOWER	Talkeetna Fm.		

Albert Kaloa Field

OIL SOURCE

ALBERT KALOA FIELD, UNDEFINED GAS POOL

