

## AOGCC Pool Statistics

## Lone Creek Field, Undef Gas Pool

Alaska Oil and Gas Conservation Commission &gt; Annual Reports &gt; 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)
<b>Cumulative</b>	<b>2,794,523</b>	<b>22</b>	<b>0</b>
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%	-	-

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## Field Development Information:

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

## Permitted Wells in Field:

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

## Active Completions in Pool (Month of December):

Type Well	Status	2004	2003	2002	2001	2000
Gas Producer	Flowing	1	1	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
<b>Total</b>		<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Reservoir Properties: Tyonek Formation

Description	2004	2003	2002	2001	2000
Reference Datum - ft. below sea level	-	1958	-	-	-
Temperature - ° F	-	89	-	-	-
Porosity - %	-	19	-	-	-
Permeability - md	-	100	-	-	-
Swi - %	-	30	-	-	-
Orig. Press. - psi	-	1120	-	-	-
Curr. Reservoir Press. - psi	475	893*	-	-	-
Curr. Reservoir Press. - Test Date	Dec-04	Jan-04	-	-	-
Gas Specific Gravity (Air = 1.0)	-	0.56	-	-	-
Gross Pay - ft.	70	70	-	-	-
Net Pay - ft.	-		-	-	-

\*Estimated from surface pressure

## References

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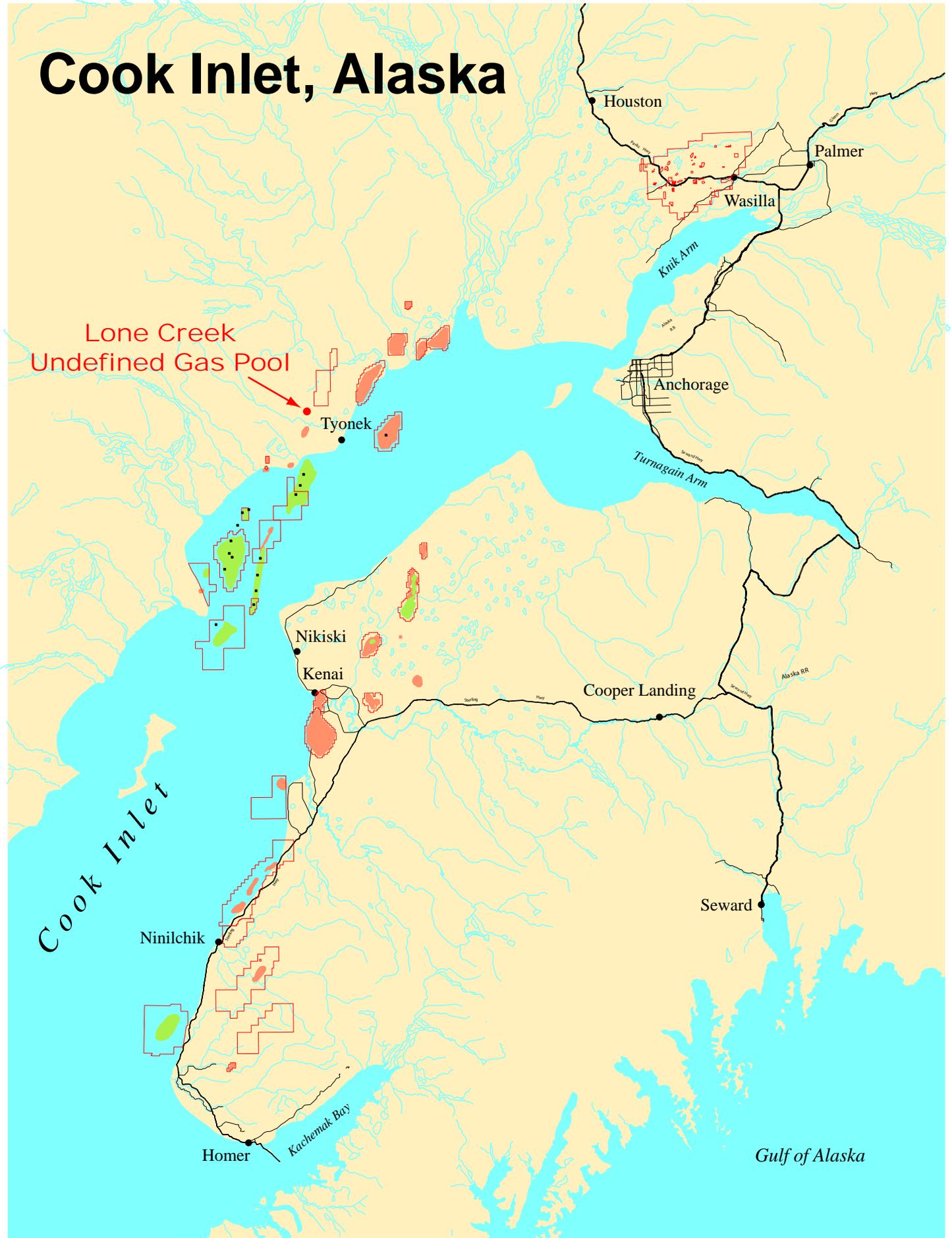
# State of Alaska, Oil and Gas Conservation Commission

## Production History for: LONE CREEK, UNDEFINED GAS Pool

Jan 1958

<u>Month</u>	<u>DaysProd</u>	<u>Oil (BBL)</u>	<u>Gas (MCF)</u>	<u>Water (BBL)</u>	<u>Producing Wells</u>
Jul 2003	1	0	4096	0	1
Aug 2003	31	0	269726	0	1
Sep 2003	29	0	184402	0	1
Oct 2003	31	0	168650	0	1
Nov 2003	30	0	146645	0	1
Dec 2003	31	0	237863	0	1
<b>Year Total</b>		<b>0</b>	<b>1011382</b>	<b>0</b>	
Jan 2004	22	0	208874	0	1
Mar 2004	18	0	96673	0	1
Apr 2004	30	0	149295	0	1
May 2004	31	0	195346	0	1
Jun 2004	30	0	187229	0	1
Jul 2004	31	0	152383	0	1
Aug 2004	31	0	156991	11	1
Sep 2004	30	0	167043	10	1
Oct 2004	31	0	170853	1	1
Nov 2004	30	0	139173	0	1
Dec 2004	31	0	159281	0	1
<b>Year Total</b>		<b>0</b>	<b>1783141</b>	<b>22</b>	
<b>Pool Total</b>		<b>0</b>	<b>2,794,523</b>	<b>22</b>	

# Cook Inlet, Alaska



# **LONE CREEK, UNDEFINED GAS**

## **Reference List**

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

Aurora Power Resources, Inc., 2003, Aurora Gas, LLC Announces First Production at Lone Creek & Commencement of 2003 Well Work Program; Press Release dated August 5, 2003, available on line at: <http://www.aurorapower.com/news.htm>

Aurora Power Resources, Inc., 2004, Aurora Gas Announces Recent Developments; Aurora Power Resources, Inc. Press Release dated March 8, 2004, available on line at: <http://www.aurorapower.com/news.htm>

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

## Lone Creek Undefined Gas Pool

The Lone Creek undefined gas pool was discovered in October 1998 by the Anadarko Petroleum Company's Lone Creek No. 1 well.<sup>1</sup> Aurora Gas, LLC, the current operator, began regular production from the well on August 5, 2003.<sup>2</sup> The pay zone is a 53-foot Upper Tyonek interval that lies at about 2400' depth.<sup>3</sup> Lone Creek No. 1 is connected to Marathon's 16-inch Beluga Pipeline by a six-mile long, six-inch diameter gathering line.<sup>4</sup>

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<sup>1</sup> Alaska Oil and Gas Conservation Commission, 2005, Well and Production Information Database

<sup>2</sup> Aurora Power Resources, Inc., 2004, Aurora Gas Announces Recent Developments; Aurora Power Resources, Inc. Press Release dated March 8, 2004, available on line at: <http://www.aurorapower.com/news.htm>

<sup>3</sup> 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

<sup>4</sup> Aurora Power Resources, Inc., 2003, Aurora Gas, LLC Announces First Production at Lone Creek & Commencement of 2003 Well Work Program; Press Release dated August 5, 2003, available on line at: <http://www.aurorapower.com/news.htm>

# Cook Inlet Generalized Stratigraphic Column

<b>TERTIARY</b>	<b>PLIOCENE</b>	<b>Sterling Fm.</b>	     					
	<b>MIOCENE</b>	<b>Beluga</b>						
		<b>Tyonek Fm.</b>						
	<b>OLIGOCENE</b>	<b>Hemlock</b>						
		<table border="1" style="width: 100%; height: 40px;"> <tr> <td style="width: 15%;"></td> </tr> </table>						
	<b>EOCENE</b>	<b>W. Foreland</b>						
<b>Chickaloon Fm.</b>								
<b>CRETACEOUS</b>	<b>UPPER</b>	<b>Matanuska Fm.</b>						
	<b>LOWER</b>	<b>Unnamed Shale</b>						
<b>JURASSIC</b>	<b>UPPER</b>	<b>Naknek Fm.</b>						
		<b>Chinitna Fm.</b>						
	<b>MIDDLE</b>	<b>Tuxedni Gp.</b>						
<b>LOWER</b>	<b>Talkeetna Fm.</b>							

Lone Creek  
Undef. Gas  
Pool

**OIL  
SOURCE**

# LONE CREEK FIELD, UNDEFINED GAS POOL

