OIL AND GAS IN THE NETHERLANDS

Annual review Exploration and Production 2007

A review of oil and gas exploration and production activities during 2007 and a prognosis of the production for the period 2008-2033.

The Hague, June 2008

Preface

The annual review 'Oil and Gas in the Netherlands' reports on the activities and results of the exploration and production of hydrocarbons in the Netherlands and the Dutch sector of the Continental Shelf during the year 2007. In addition, a prognosis for the expected gas production is presented for the period 2008 – 2033.

The first section of the report deals with *developments* in the exploration and production of hydrocarbons in the Netherlands and the Dutch sector of the Continental Shelf during the year 2007. This section first presents details of changes in natural gas and oil resources during 2007 and the way these changes affected the situation as at 1 January 2008. Subsequently, a number of tables summarise developments during 2007, with respect to licences and exploration efforts (seismic surveys and wells drilled). This section ends with a summary of the volumes of natural gas, condensate and oil that were produced in 2007.

The second section of the annual review comprises a large number of annexes that report on the *current situation* as well as on historical developments during the past decades.

Finally, several maps outline the state of the affairs as at 1 January 2008.

This review has been compiled by TNO (*National Geological Survey)*, at the request of the Energy Market Directorate of the Directorate General for Energy and Telecom of the Dutch Ministry of Economic Affairs. Key data have been provided by the Ministry of Economic Affairs (Dutch acronym: EZ for Ministerie van Economische Zaken), TNO – *National Geological Survey* and the State Supervision of Mines (Dutch acronym: SodM for Staatstoezicht op de Mijnen). The annual review contains the data that, in accordance with the provisions of article 125 of the Mining Act, will be presented to both Chambers of the Dutch Parliament on behalf of the Minister of Economic Affairs.

The digital version of this publication can be found at the Netherlands Oil and Gas Portal: www.nlog.nl

The Hague, June 2008

TABLE OF CONTENTS

In this annual review, natural gas and oil volumes are stated in terms of 'standard' m^3, usually abbreviated as Sm^3. 'Standard' relates to the reference conditions: 15° C and 101.325 kPa.

In some cases the natural gas volumes are stated in terms of:
-Normal m^3 (Nm^3). "Normal" relates to the reference conditions: 15°C and 101.325 kPa.
-Groningen Gas Equivalent, which has a gross calorific value of 35.17 MJ/ m^3 at 0°C and 101.325 kPa.
In such cases this is explicitly stated in the text.

KEY DATA 2007

The summary below briefly outlines data that are detailed elsewhere in this annual review.

Natural gas and oil resources
The natural gas resources as at 1 January 2008 are estimated at 1390 billion Sm^3. 1075 billion Sm^3 of these resources reside in the Groningen accumulation, 117 billion Sm^3 in the other onshore accumulations and 198 billion Sm^3 on the Continental Shelf.
Oil resources add up to 36.6 million Sm^3, 23.6 million Sm^3 of which are located in the onshore territory and 13.0 million Sm^3 on the Continental Shelf.

Licences
In 2007 for the onshore territory new exploration licences have been awarded for Oosterwolde and Utrecht areas and three exploration licences lapsed / relinquished. One production licence was applied for and the production licence Drenthe has been split in three. The storage licence for Bergermeer has been awarded. For the Continental Shelf, fourteen exploration licences were applied for and six have been awarded and six licences lapsed / were relinquished. Furthermore four production licences have been submitted and three have been awarded. For details see chapters 3 and 4 and annexes 1 and 2.

Wells
A total of thirty one wells have been drilled for oil and gas. That is eight less than in 2006. In 2007 seven exploration wells have been drilled. From these wells, five struck gas, a technical success ratio of 71%. The remaining wells included three appraisal wells and twenty one production wells. For details see chapter 7 and annex 2.

Gas production
In 2007, total production from Dutch gas fields was 68.3 billion Sm^3, 42.7 billion Sm^3. from onshore gas fields and 25.6 Sm^3 from the offshore gas fields. From the total production 37.8 billion Sm^3 was accounted for by the small fields and 30.5 billion Sm^3 by the Groningen gas field. The overall production in 2007 was 3.4% less than in 2006.
For details see chapter 9.

Oil production
In 2007, a total of 2.50 million Sm^3 of oil was produced in the Netherlands, which is 60% more than in 2006. The onshore accumulations produced 0.26 million Sm^3, a decrease of 18% compared to 2006. Production from offshore oil fields increased by 80% to 2.23 million Sm^3. This strong increase can be attributed to the production start of the de Ruyter accumulation. The average oil production over 2007 was about 6 850 Sm^3 per day. For details see chapter 9.

1. NATURAL GAS RESOURCE AND FUTURE GAS SUPPLY FROM WITHIN THE NETHERLANDS

INTRODUCTION

The present chapter reports on the natural gas resource in the Netherlands and the Netherlands part of the Continental shelf. First it presents estimates of the natural gas resource as at 1 January 2008 and changes compared to 1 January 2007. A brief explanation of the method used for determining the natural gas resource is given below. Subsequently, this section on the supply of natural gas in the Netherlands presents the national gas production expected for the next 25 years (2008 until 2033).

In accordance with the Mining Act the operators annually report remaining reserve estimates for developed accumulations as well as the prognoses for the remaining production. Since June 2007 the production prognosis for the entire remaining production per accumulation per year are reported to the Minister (Mining decree, article 113). This chapter is based on these figures.

RESOURCE

The natural gas resource is defined as the volume of natural gas that can be produced from the subsurface of the Netherlands. In this respect, we distinguish *discovered resources* and (as yet) *undiscovered resources*. The *discovered resources* are producible volumes of natural gas that are present in *proven accumulations*, i.e. proven gas fields. Many of these accumulations have been developed already (are producing) and as a result only part of the producible gas remains. The remaining producible volumes of natural gas in the proven accumulations are defined as the *remaining reserves*.
Not all the gas that is present in the subsurface of the Netherlands has been found as yet. On the basis of geological information, TNO has prepared an estimate of the additional volume of gas that may statistically be present; this is called the *exploration potential*, also called the 'prospectivity'.

DISCOVERED RESOURCES

As at 1 January 2008 there are 406 proven natural gas accumulations in the Netherlands (table 1). At present, the majority of these accumulations is developed (219), i.e. producing (215) or operational as gas-storage facilities (4, including Bergermeer). Of the 127 accumulations that have not been developed as yet, 55 are expected to start producing within 5 years. Whether the remaining 72 accumulations will ever be developed is uncertain. Of all accumulations that have ever been developed, 60 have ceased production.

Compared to January 1st 2007 there were 5 new discoveries (table 5), 1 accumulation was not included in last year's list and in three cases two accumulations were merged. 22 new gas accumulations have been brought on production in 2007 (table 2). Production ceased in 8 accumulations.
All accumulations are listed in annex 1, sorted by status and stating operator and licence. In accordance with the new Mining Act, production plans or storage plans have been submitted for all developed accumulations.

Table 1. Number of proven natural gas accumulations sorted by status as at 1 January 2008

Status of accumulations	Onshore Territory	Continental Shelf	Total
I. Developed			
a. producing	96	119	215
b. gas-storage facility	4	0	4
II. Undeveloped			
a. start of production 2008-2012	22	33	55
b. others	29	43	72
III. Production ceased			
abandoned	18	27	45
closed in	8	7	15
Total	173	233	406

Table 2. Gas accumulations with a changed status of development in 2007.

Accumulation	Operator	Licence	Status 2007	Status 2006
Appelscha	NAM	Drenthe	T	W
Assen	NAM	Drenthe	W	NP<5
Blesdijke	Vermilion	Steenwijk	NP<5	NP>5
Buma	NAM	Drenthe	NP>5	U (by mistake)
Een	NAM	Drenthe	T	W
Faan	NAM	Groningen	NP<5	Discovered 2007
Feerwerd	NAM	Groningen	W (restart)	U
Gasselternijveen	NAM	Drenthe	NP<5	NP>5
Hardenberg-Oost	NAM	Hardenberg	W	NP<5
Harkema	NAM	Groningen	NP<5	NP>5
Houwerzijl	NAM	Groningen	W (restart)	U
Middelie	NAM	Middelie	W (restart)	U
Midlaren	NAM	Drenthe	NP>5	NP<5
Nijensleek	Vermilion	Drenthe	T	W
Noorderdam	NAM	Rijswijk	W	NP<5
Oldenzaal	NAM	Rossum de Lutte	W (restart 2004)	U
Oostrum	NAM	Noord-Friesland	T	W
Oud-Beijerland Zuid	NAM	Botlek	T	W
Rodewolt	NAM	Groningen	NP<5	NP>5
Roswinkel	NAM	Drenthe	U	W
Schoonebeek Gas	NAM	Schoonebeek	W	Not listed
Warffum	NAM	Groningen	W (restart2006)	U
Westbeemster	NAM	Middelie	W	NP<5
Witterdiep	NAM	Drenthe	W	NIEUW
Zevenhuizen	NAM	Groningen	NP<5	NP>5
D15 -Minke Main	GDF	D15	UK Sector	NP<5
D15 Tourmaline	Wintershall	D15	NP<5	Discovered 2007
E13 Epidoot	Tullow Oil	E13	NP<5	NP>5
E17-A	GDF	E17a	NP<5	NP>5

Accumulation	Operator	Licence	Status 2007	Status 2006
F03-FA	Venture	F03	NP<5	NP>5
G14-A & B	GDF	G14	W	Merged
G14-C	GDF	G14	W	NP<5
G16a-B	GDF	G16a	NP<5	Discovered 2007
K05-C North	Total	K05	NP>5	Discovered 2007
K12-K	GDF	K12	W	NP<5
K15-FJ	NAM	K15	W	NP<5
K15-FN	NAM	K15	NP<5	NP>5
K15-FO	NAM	K15	W	K15-FB_NE
L05-C	Wintershall	L05	W	NP<5
L07-B	Total	L07	W (restart)	U
L09-FG	NAM	L09	Merged with FF	NP<5
L09-FH	NAM	L09	Merged with FF	NP<5
L09-FJ	NAM	L09	Merged with FJ	NP<5
P09-B	Wintershall	P09	NP<5	Not listed
P10b Van Brakel	Petro-Canada	P10b	NP<5	Discovered 2007
P11b Van Nes	Petro-Canada	P11b	NP<5	Discovered 2007
P14-A	Wintershall	P14a	U	W
P15-13	Taqa	P15	T	W
P18-6	Taqa	P18	W	Merged with P18-2
Q02-A	Wintershall	Q2a	NP>5	NP<5

- W: Producing
- NP<5: undeveloped gas accumulation, production start expected within 5 years
- NP>5: undeveloped gas accumulation, production start unknown
- T: production ceased temporarily
- U: production ceased

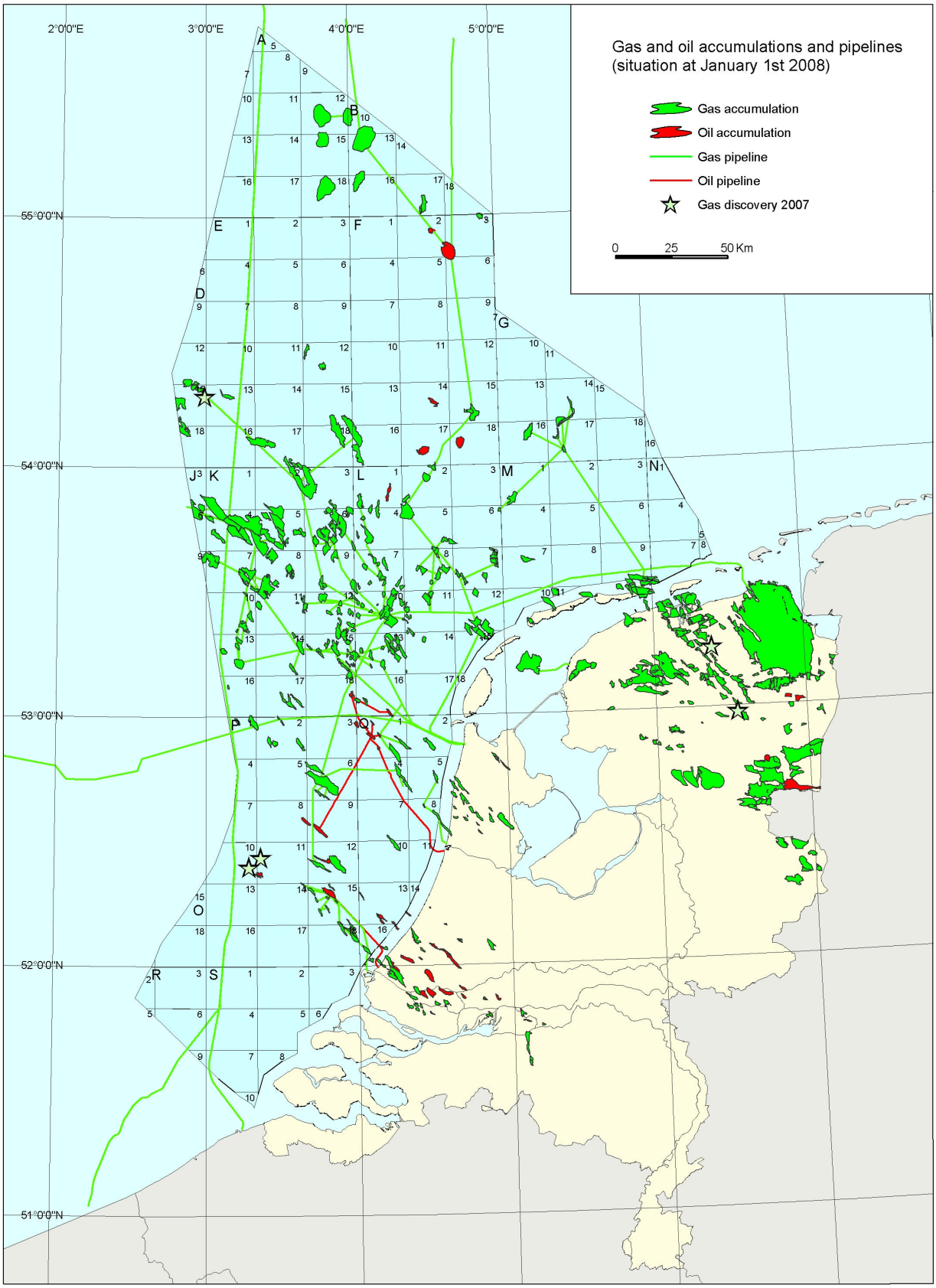


Figure 1. Outline map showing oil and gas accumulations in the Netherlands (as at 1 January 2008).

RESOURCE ESTIMATES

Reserves as at 1 January 2008

The reserve estimates for developed accumulations are based on the figures and information given by the operators in their production plans and annual reports and submitted in accordance with the Mining Act. For the other discovered accumulations, of which reserves are not yet included in production plans or annual reports, only preliminary reserve estimates are given. The approaches and reserve classifications used by individual operators may differ considerably. Therefore, the present annual report only presents a rough resource classification, related to the status of the individual accumulations.

The reserves in both the developed and undeveloped accumulations add up to 1390 billion Sm^3 (table 3a).

Developed accumulations

The figures for remaining reserves in developed accumulations are listed in two columns in the tables above. The first column shows the total remaining reserves reported in the operators' production plans and annual reports. The reserves total 1075 billion Sm^3 for the Groningen accumulation and 196 billion Sm^3 for the small fields. Until 2007 the Groningen reserves that were not expected to be available for production prior to 2040 were mentioned separately. This concerned long-term production from the Groningen accumulation (104 billion Sm^3 or 99 m^3 Geq). Since 2007 a new production plan for the Groningen accumulation is in effect in which this distinction is no longer made. The remaining reserves that were still present in the Norg, Grijpskerk and Alkmaar accumulations, prior to these fields being converted to underground gas storage facilities (altogether some 19 billion Sm^3 or 20 m^3 Geq) are now separately mentioned as UGS cushion gas. The Bergermeer accumulation had no remaining reserves at the time of conversion. This 'cushion gas' will only be produced once the fields are no longer used as storage facilities. This is not expected to happen prior to 2040.

Undeveloped accumulations

These figures concern proven accumulations, the development of which is deemed probable. This includes those accumulations that are expected to come on stream in the period 2008-2012 (see listing of natural gas accumulations with the status *Non developed* in annex 1). A part of this last group of accumulations may indeed have commercial potential, but future materialisation in terms of reserves greatly depends on advances in technology, infrastructure, costs and market prices. The reserves in the undeveloped accumulations amount to 100 billion Sm^3.

The reserve estimates do not take into account any limitations related to the accessibility of accumulations in connection with environmentally sensitive areas, e.g. the Dutch Wadden Sea area.

Table 3a. Gas resources in the Netherlands as at 1 January 2008 in billions of Sm^3

Accumulations	Developed		Undeveloped	Total
		UGS*		
Groningen	1075		0	1075
Others Territory	73	19	25	117
Continental Shelf	123	0	75	198
Total	1271	19	100	1390

* UGS Cushion gas, for explanation see paragraph 'Developed accumulations'

For the purpose of equating volumes of natural gas of different qualities in calculations, these volumes have been converted to Groningen Gas Equivalents (Geq) on the basis of calorific value (table 3b).

Table 3b. Gas resources in the Netherlands as at 1 January 2008 in billions of m^3Geq

Accumulations	Developed		Undeveloped	Total
		UGS*		
Groningen	1019		0	1019
Others Territory	76	20	26	122
Continental Shelf	129	0	78	207
Total	1124	20	104	1348

* UGS Cushion gas, for explanation see paragraph 'Developed accumulations'

Revisions compared to 1 January 2007

The table below lists the revisions to the Dutch gas resource, resulting from

- new finds;
- re-evaluations of previously proven accumulations;
- production during 2007.

The net result is a reduction of the resource by 49.6 billion Sm^3 compared to 1 January 2007. The gas production in 2007 amounts to 68.3 billion Sm^3.

Table 4. Revisions of expected gas resource compared to 1 January 2007, in billion Sm^3

Area	New finds	Re-evaluations	Production	Total
Groningen field	0.0	1.5	-30.5	-29.0
Others Territory	1.0	-0.9	-12.2	-12.1
Continental Shelf	3.7	13.4	-25.6	-8.5
Total	4.7	14.0	-68.3	-49.6

New finds

The table below lists the 5 gas accumulations that were found during 2007. The locations of the new finds are indicated by asterisks in Figure 1. According to preliminary estimates, these new finds will add approximately 4.7 billion Sm^3 to the Dutch gas resource.

Table 5. Gas accumulations discovered in 2007

Name accumulation	Discovery well	Licence area	Operator
Faan	Faan-01	Groningen	NAM
Witterdiep	Witterdiep-02-sidetrack1	Drenthe II	NAM
D15 Tourmaline	D15-05-sidetrack2	D15	Wintershall
P10b Van Brakel	P10-05	P10b	PetroCanada
P11b Van Nes	P11-05	P11b	PetroCanada

Revisions

Evaluation of both producing and non producing gas accumulations have resulted in an upward revision of 14.0 billion Sm^3.

EXPLORATION POTENTIAL

Geological units and prospects

TNO focuses on evaluating those geological units (so-called *plays*), in which geological conditions are favourable for gas accumulations and which have been sufficiently proven by drilling. Within these geological plays, only those prospective structures ('prospects') are considered that have been identified and assessed on the basis of existing data. The prospects that may be present in hypothetical *plays*, or in not actually identified geological structures, are not taken into account because of its speculative nature. These prospective structures together form the prospect portfolio.

TNO updates the Dutch prospect portfolio for natural gas annually. This is, amongst others, based on the annual reports submitted by the operators (ex art. 113 Mining Decree).

Exploration potential

Because not all structures of the prospect portfolio will be considered as drillable, a practical minimum (cut off) has been established. Traditionally this minimum is related to the expected producible volume in case of discovery (Mean Success Volume, MSV). Structures that qualify to be drilled together form the exploration potential. The estimate of the exploration potential (see Table 6) is expressed as a numerical range, to stress the inherent highly uncertain nature.

Table 6. Exploration potential for natural gas as per January 1, 2008.

Area	**MSV cut off [billion Sm^3]**	**Exploration potential [billion Sm^3]**
Territory	0,5	72 – 165
Continental Shelf	2	93 – 215
Total		165 – 380

The disadvantage of using a cut off based on a minimum MSV is that other factors determining the attractiveness of a prospect are not considered. Those factors are partly related to individual prospects (possibility of success, distance to infrastructure, type of field development, gas quality, productivity etc.) and partly on generic factors such as expenses and revenues.

An alternative cut off, for the first time presented in the annual report of 2006, demands that the net present value of a prospect is positive to be included in the practical part of the exploration potential. With the aid of a discounted cash flow model (supplied by Energie Beheer Nederland) above mentioned factors are accounted for. Per prospect the net present value is calculated for a project considering the exploration risk. The result is the *Expected Monetary Value* (EMV) .

As an example table 7 shows the expectation value for the exploration potential of the prospects with a positive EMV at an oil price scenario of 50 $ per barrel. Compared with the figures in table 6 show that the EMV > 0 cut off results in volumes in the lower part of the range of the exploration potential.

Tabel 7. Exploration potential natural gas as at 1 January 2008, after EMV-cut off, at an oil price of 50$ per barrel.

Area	**EMV cut off**	**Expectation Exploration Potential**
	[Euro]	**[billion. Sm^3]**
Territory	0	86
Continental Shelf	0	140

GAS SUPPLY FROM WITHIN THE NETHERLANDS

This section deals with the developments in the supply of gas produced from within the Netherlands that can reasonably be expected for the next 25 years (2008 to 2033).
The supply of gas produced from within the Netherlands can be subdivided in the production from the Groningen accumulation and the production from the other accumulations, the so called *small fields*. This section of the review is based on data submitted by operators and gas boards. The reference date for the present review is 1 January 2008. All volumes in the present section are quoted in billions of m^3 Groningen Gas Equivalent (35.17 MJ/Nm^3) abbreviated to m^3Geq.

The estimated supply from the Groningen accumulation has been prepared on the basis of the maximum allowed production until 2015 and the expected production after that:

- The **maximum allowed production** from the Groningen accumulation, based on the amendment to article 55 of the Gas Act, has been limited to 425 billion m^3Geq for the period 2006 – 2015. The purpose of setting a maximum allowance is to ensure that the Groningen accumulation can continue to fulfil its function as a swing producer to for the small fields policy for a sufficiently long period of time. The function as swing producer implies that the actual annual production of the Groningen accumulation is difficult to estimate. Therefore the supply from the Groningen accumulation until 2015 has been profiled as equal annual parts of 44.3 billion m^3Geq being the remaining part of the above mentioned production allowance (425 billion m^3Geq minus the production in 2006 and 2007).
- From 2016 onwards the **production profile** is deduced from the Production plan of the Groningen accumulation.

The estimated supply from the small fields has been prepared on the basis of the following data:

- the summation of the production profiles of the **producing accumulations**. These profiles have been submitted by the operators as part of their production plans and annual reports.
- the summation of the production profiles of the accumulations from which **production is expected to start within the period from 2008 to 2012**.
- the summation of the production profiles of the **accumulations that have not been discovered as yet**. These profiles are prepared by using a simulation model; taking into account the number of wells that is expected to be drilled (10 exploration wells per year), the expected producible volumes of the prospects and the probability of success.

Based on the sources mentioned above figure 2 displays the historical production of natural gas in the Netherlands from 2000 to 2007 and the production prognosis for the next 25 years (2008-2033).

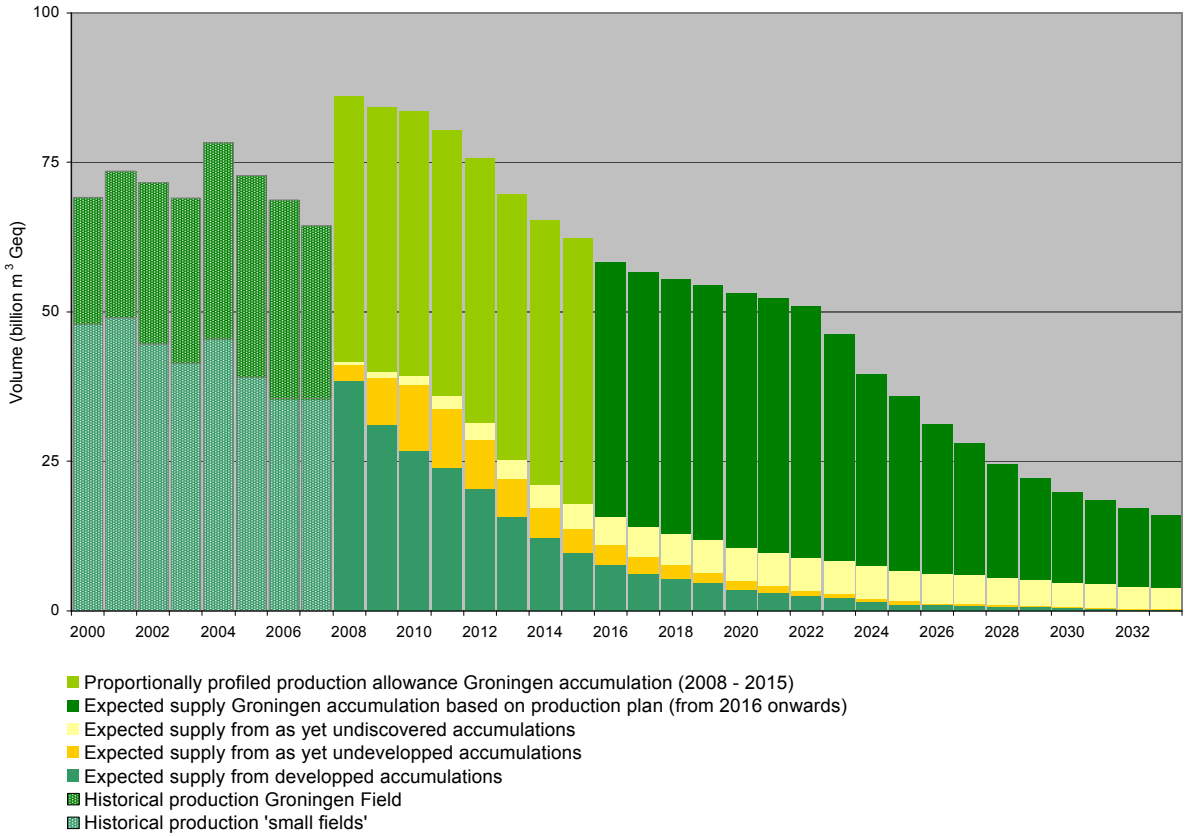


Figure 2 The historical production of natural gas in the Netherlands from 2000 - 2007 and production prognosis 2008 - 2033.

In figure 2 a distinction has been made for the production from the small fields and from the Groningen accumulation. Although

The expected production profile overall shows an gradual decrease. However, there is a distinct increase of production prognosed for 2008. This increase has two causes:

- the expected production from the small fields as expressed by the operators in their annual reports (over 40 billion m^3 Geq in 2008 compared to 35 billion m^3 Geq in

2007). Although the production forecasts for the small fields may be significantly higher than the production realised in 2007, this is not unique. A comparable increase (and decrease) can be observed in 2004.

- the way the production for the Groningen accumulation has been profiled until 2015 (see explanation above). In retrospect it appears that over the last three years the production from the Groningen accumulation was remarkably lower than average allowed quantity.

From the mid twenties onward the Groningen accumulation is expected to show a production decrease

The maximum expected supply from Dutch accumulations during the next ten years is 722 billion m^3 Geq, based on the maximum possible production from the Groningen accumulation (table 8). This production will consist of 283 billion m^3 Geq from small fields supplemented by a maximum of 439 billion m^3 Geq from the Groningen accumulation.

Table 8. Gas supply from within the Netherlands for the 10 and 25 year period from 2008 - 2016 and 2008 - 2033, in billion m^3Geq

Supply	**2008 – 2017**	**2008 – 2033**
Small fields		
Discovered - developed	193	221
Discovered - undeveloped	61	72
Still to be discovered	29	107
Subtotal Small fields	283	400
Groningen accumulation*	439	887
Total supply from within the Netherlands	722	1287

* This is the maximum quantity of gas from the Groningen accumulation based on the Gas Act (article 55).

2. OIL RESOURCES

As at 1 January 2008 there are 44 proven natural gas accumulations in the Netherlands (table 9). At present, 12 of these accumulations are producing. In comparison with 2007 the accumulation Q13-Amstel (formerly known as Q13-FA) is transferred to the category expected to start production within 5 years while Q01-NW is newly listed based on economic developments. After evaluation Oud-Beijerland-Noord is categorised as oil accumulation instead of a gas accumulation as it was originally considered.
All accumulations are listed in annex 1, sorted by status and stating operator and licence. In accordance with the new Mining Act, production plans or storage plans have been submitted for all developed accumulations.

Table 9. Number of proven oil accumulations as at 1 January 2008

Status of oil accumulations	Onshore Territory	Continental Shelf	Total
I. Developed			
a. producing	2	10	12
II. Undeveloped			
a. start of production 2008-2012	3	2	5
b. others	8	10	18
III. Production ceased			
closed in	1	1	2
abandoned	7	0	7
Total	21	23	44

Oil reserves as at January 1st, 2008

The reserve estimates for developed accumulations are based on the figures and information given by the operators in their production plans and annual reports and submitted in accordance with the Mining Act. For the other discovered accumulations, of which reserves are not yet included in production plans or annual reports, only preliminary reserve estimates are given.
The oil reserves in both the developed and undeveloped accumulations add up to 36.6 million Sm^3 (table 10).

Table 10. Dutch oil reserves in million Sm^3 as at 1 January 2008

Area	Developed	Undeveloped	Total
Territory	22.2	1.4	23.6
Continental Shelf	5.8	7.2	13.0
Total	28.0	8.6	36.6

Revisions compared to 1 January 2007

Table 11 lists the revisions to the Dutch oil resource, resulting from

- new finds;
- re-evaluations of previously proven accumulations;
- production during 2007.

The net result is a reduction of the resource by 1.5 million Sm^3 compared to 1 January 2007. The gas production in 2007 also amounts to 2.5 million Sm^3.

Table 11. Revisions of expected gas resource compared to 1 January 2007, in million Sm^3

Area	Change as a result of:			
	new finds	(re) evaluation	production	total
Territory	0	0.1	-0.3	-0.2
Continental Shelf	0	0.9	-2.2	-1.3
Total	0	1.0	-2.5	1.5

3. LICENCES, Netherlands Territory as at 1 January 2008

Changes in the licences for the exploration, production and storage onshore, which took place during 2007 in the onshore Territory, are listed in the tables below. Also all current licence applications.
Annexes 2, 3 and 4 in the second section of this annual review present a complete list of licences that are in force in the Territory as at 1 January 2008. Annexes 1 and 2 present maps showing the locations of exploration, production and storage licences as well as any changes in licences that took place during 2007.

Total area	Under licence (km^2)	Under licence (%)
41 785 km^2	16 968 km^2	40,6 %

EXPLORATION LICENCES, Netherlands Territory

Applied for

Licence	Publication	Date	Closing date	Applicant(s)
Schiermonnikoog-Noord *	Staatscourant 193	06-10-92		GDF

***** Current application, formerly published in Annual Report Oil and Gas

Awarded

Licence holder	Licence	In force	km²
Northern Petroleum Nederland B.V.	Oosterwolde	20-04-07	127
Northern Petroleum Nederland B.V.	Utrecht	26-04-07	1 152
		Total	1 279

Lapsed/relinquished

Licence holder	Licence	In force	km²
Nederlandse Aardolie Maatschappij B.V.	IJsselmeer	16-03-07	875
Nederlandse Aardolie Maatschappij B.V.	Markerwaard	16-03-07	572
Nederlandse Aardolie Maatschappij B.V.	Schagen	14-07-07	576
		Total	2 023

PRODUCTION LICENCES, Netherlands Territory

Applied for

Licence	Publication	Date	Closing date	Applicant(s)
Terschelling *	Government Gazette 91	11-05-95		NAM
Akkrum *	Official Journal C 287	24-11-04		Wintershall cs
	Government Gazette 230	29-11-04		
Andel III	-	05-12-07		Northern cs

***** Current application, formerly published in Annual Report Oil and Gas

Split

Licence holder	Licence	In force	km²
- Original			
Nederlandse Aardolie Maatschappij B.V.	Drenthe		2 284
- After splitting			
Nederlandse Aardolie Maatschappij B.V.	Drenthe II	18-07-07	1 888
Nederlandse Aardolie Maatschappij B.V.	Drenthe III	18-07-07	389
Nederlandse Aardolie Maatschappij B.V.	Drenthe IV	18-07-07	7

STORAGE LICENCES, Netherlands Territory

Applied for

Licence	Publication	Date	Closing date	Applicant(s)
Waalwijk-Noord *	-	26-04-04		Northern cs

***** Current application, formerly published in Annual Report Oil and Gas

Awarded

Licence holder	Licence	In force	km²
BPNE Onshore B.V. cs	Bergermeer UGS	08-01-07	19
		Total	19

4. LICENCES, Continental Shelf as at 1 January 2008

Changes in the licences for the exploration and production, which took place during 2007 on the Continental Shelf, are listed in the tables below. Also all current licence applications.

Annexes 5 and 6 in the second section of this annual review present a complete list of licences that are in force in the Territory as at 1 January 2008. Annexes 1 and 2 present maps showing the locations of exploration and production licences as well as any changes in licences that took place during 2007.

Total area	Under licence (km^2)	Under licence (%)
56 814 km^2	25 379 km^2	44,7 %

EXPLORATION LICENCES, Continental Shelf

Applied for

Licence	Publication	Date	Closing date	Applicant(s)
Q7 *	Official Journal C 279	17-11-06		Smart cs
	Government Gazette 232	28-11-06		
D9	Official Journal C 88	21-04-07	21-07-07	Ascent cs
	Government Gazette 95	21-05-07		
D18b	Official Journal C 88	21-04-07	21-07-07	Ascent cs,
	Government Gazette 95	21-05-07		Wintershall cs
E10	Official Journal C 88	21-04-07	21-07-07	Ascent cs, Tullow
	Government Gazette 95	21-05-07		
E14	Official Journal C 88	21-04-07	21-07-07	Ascent cs, Tullow
	Government Gazette 95	21-05-07		
E15b	Official Journal C 88	21-04-07	21-07-07	Ascent cs,
	Government Gazette 95	21-05-07		Tullow, Gas Plus
E17c	Official Journal C 88	21-04-07	21-07-07	Ascent cs,
	Government Gazette 95	21-05-07		Tullow, GDF cs
E18b	Official Journal C 88	21-04-07	21-07-07	Ascent cs, Tullow
	Government Gazette 95	21-05-07		
P2	Official Journal C 108	12-05-07	11-08-07	Elko cs
	Government Gazette 97	23-05-07		
Q13b	Official Journal C 109	15-05-07	14-08-07	Petro-Canada,
	Government Gazette 97	23-05-07		Cirrus, Island cs
Q16b	Official Journal C 257	30-10-07	29-01-08	
	Government Gazette 239	10-12-07		
G10	Official Journal C 275	16-11-07	15-02-08	
	Government Gazette 239	10-12-07		
G11	Official Journal C 275	16-11-07	15-02-08	
	Government Gazette 239	10-12-07		
G13	Official Journal C 277	20-11-07	19-02-08	
	Government Gazette 239	10-12-07		

Licence	Publication	Date	Closing date	Applicant(s)
P3	Official Journal C 277 Government Gazette 239	20-11-07 10-12-07	19-02-08	

* Current application, formerly published in Annual Report Oil and Gas

Awarded

Licence holder	Licence	In force	km²
Wintershall Noordzee B.V. cs	P8	06-01-07	419
Cirrus Energy Nederland B.V.	Q11	23-03-07	162
Elko Energy Inc. cs	P1	28-06-07	209
Cirrus Energy Nederland B.V.	Q10	28-06-07	420
GDF Production Nederland B.V. cs	E16b	29-06-07	375
GDF Production Nederland B.V. cs	E13	08-08-07	403
		Total	1 988

Lapsed / relinquished

Licence holder	Licence	In force	km²
Altinex Oil Denmark A/S cs	F9	24-04-07	400
Altinex Oil Denmark A/S cs	G7	24-04-07	122
Petro-Canada Netherlands B.V.	P11c	19-08-07	103
Total E&P Nederland B.V. cs	F12	25-10-07	401
Wintershall Noordzee B.V. cs	K1b	22-12-07	324
Ascent Resources Netherlands B.V.	M8b	28-12-07	142
		Total	1 492

Prolonged

Licence holder	Licence	In force	km²
Cirrus Energy Nederland B.V.	Q14	05-01-07	25
Ascent Resources plc	M8	06-06-07	406
Ascent Resources plc	P4	06-06-07	170
Ascent Resources plc	M10 & M11	28-07-07	250
		Total	851

Split

Licence holder	Licence	In force	km²
- Original			
Wintershall Noordzee B.V. cs	P8		419
Ascent Resources Netherlands B.V.	M8		406
GDF Production Nederland B.V. cs	E13		403
- After splitting			
Wintershall Noordzee B.V. cs	P8b	06-01-07	209
Wintershall Noordzee B.V. cs	P8c	06-01-07	210
Ascent Resources Netherlands B.V.	M8a	22-12-07	264
Ascent Resources Netherlands B.V.	M8b	22-12-07	142
GDF Production Nederland B.V. cs	E13a	22-12-07	234
GDF Production Nederland B.V. cs	E13b	22-12-07	169

Merged

Licence holder	Licence	In force	km^2
- Original			
Ascent Resources plc	M10		222
Ascent Resources plc	M11		28
- After merging			
Ascent Resources plc	M10 & M11	28-07-07	250

PRODUCTION LICENCES, Continental Shelf

Applied for

Licence	Publication	Date	Closing date	Applicant(s)
A12b & B10a *	-	20-01-00		Chevron cs
B16a *	-	06-05-93		Chevron cs
B17a *	-	30-05-97		Wintershall cs
D18a *	-	04-07-97		GDF cs
Q2a *	-	26-07-06		Wintershall cs
A15a	-	07-02-07	-	Wintershall cs
E15b	Official Journal C 88	21-04-07	21-07-07	Wintershall cs
	Government Gazette 95	21-05-07		
P3c **	Official Journal C 107	11-05-07	10-08-07	Chevron cs
	Government Gazette 97	23-05-07		
P10b	-	21-09-07	-	Petro-Canada

***** Current application, formerly published in Annual Report Oil and Gas

****** Withdrawal in 2007

Awarded

Licence holder	Licence	In force	km^2
Cirrus Energy Nederland B.V.	M1a	28-06-07	213
GDF Production Nederland B.V. cs	E17a & E17b	28-06-07	114
GDF Production Nederland B.V. cs	E16a	29-06-07	29
		Total	356

Split

Licence holder	Licence	In force	km^2
- Original			
Wintershall Noordzee B.V. cs	K18a & K18b		191
Nederlandse Aardolie Maatschappij B.V.	F3		396
- After splitting			
Wintershall Noordzee B.V. cs	K18a	15-03-07	36
Wintershall Noordzee B.V. cs	K18b	15-03-07	155
Nederlandse Aardolie Maatschappij B.V. cs	F3a	13-12-07	62
Nederlandse Aardolie Maatschappij B.V. cs	F3b	13-12-07	335

5. LICENCES, company changes, name changes and legal mergers in 2007 as at 1 January 2008

The tables below list changes which took place during 2007, as a result of mutations in consortiums of companies that participate in licences as well as name changes of participating companies or name changes as a result of legal mergers.

Company changes in exploration licences

Relinquishing company	Acquiring company	Licence	In force	Netherl. Gazette
1. Wintershall Noordzee B.V. Dyas B.V.	Petro-Canada Netherlands B.V.	P8c	06-01-07	7
2. -	Dyas B.V.	Andel III	27-10-07	209
3. -	Wintershall Noordzee B.V. GDF Production Nederland B.V.	F18	11-12-07	244
4. -	GDF Production Nederland B.V. Wintershall Noordzee B.V.	F14	11-12-07	2008-42
5. -	Grove Energy Ltd.	F17a	11-12-07	2008-42
6. -	GDF Production Nederland B.V Wintershall Noordzee B.V.	L1b	11-12-07	2008-42
7. GDF Production Nederland B.V. Wintershall Noordzee B.V.	Tullow Oil UK Ltd.	E13a	22-12-07	2008-8
8. -	Tullow Oil UK Ltd.	E13b	22-12-07	2008-8

Company changes in production licences

Relinquishing company	Acquiring company	Licence	In force	Netherl. Gazette
1. Dyas B.V. Wintershall Noordzee B.V. ZMB GmbH	-	Middelie	02-03-07	48
2. DYAS B.V. Petro-Canada Netherlands B.V.	-	K18a	15-03-07	57
3. Island Oil & Gas Plc. Nido Petroleum Ltd.	Island Netherlands B.V. Aceiro Energy B.V.	Q13a	05-05-07	89
4. Wintershall Noordzee B.V.	Northern Petrol. Nederland B.V. Gas Storage Limited Overseas Gas Storage Limited	Waalwijk	14-06-07	118
5. -	Cirrus Energy Nederland B.V.	L8a	06-07-07	129
6. -	Cirrus Energy Nederland B.V.	L8b	06-07-07	129
7. -	Northern Petrol. Nederland B.V.	Drenthe III	18-07-07	140

Relinquishing company	Acquiring company	Licence	In force	Netherl. Gazette
8. Nederlandse Aardolie Mij B.V.	Northern Petrol. Nederland B.V.	Drenthe IV	18-07-07	140
9. -	Northern Petrol. Nederland B.V.	P12	18-08-07	159
10. Nederlandse Aardolie Maatschappij B.V.	EDPF3 B.V.	B18a	30-11-07	234
11. -	EnCore Oil Nederland B.V.	Q13a	01-12-07	234
12. EWE Aktiengesellschaft	-	M7	01-12-07	234
13. -	Grove Energy Ltd.	F16	11-12-07	244
14. Nederlandse Aardolie Mij B.V. DSM Energie B.V.	EDP F3 B.V.	F3a	13-12-07	245

Name changes

Previous company name	New company name
Ascent Resources Plc	Ascent Resources Netherlands B.V.
BPNE Piek Gas B.V.	TAQA Piek Gas B.V.
BPNE Onshore B.V.	TAQA Onshore B.V.
BPNE Offshore B.V.	TAQA Offshore B.V.

6. SEISMIC ACQUISITION

All seismic acquisition surveys shot during 2007 are listed in the tables below. Historical summaries can be found in Annex 9.

NETHERLANDS TERRITORY

Onshore neither 2D nor 3D seismic surveys for oil or gas exploration and production have been acquired in 2007.

CONTINENTAL SHELF

2D Seismic surveys

Area	Company	Status	length km
F02a Hanze	Petro Canada	Beëindigd	100
A18	Chevron	Beëindigd	302
B13	Chevron	Beëindigd	484
		Total	886

3D Seismic surveys

Area	Company	Status	Area in km^2
E16, E17 P5 -P8	GDF Wintershall, Petro Canada	Completed Acquisition ongoing	700
		Total	700

7. OIL AND GAS WELLS, completed in 2007

The tables below list all wells drilled and ended during 2007, sorted by drilling location: either on the Territory or on the Continental Shelf, subsequently sorted by exploration, appraisal or production wells. The tables list the name, licence, operator and result for each well.

The categories exploration, appraisal and production refer to the initial petroleum geological target of the well. An exploration well which later on will be completed as a producer will remain an exploration well in this overview. The column showing the results gives the technical result. A well that strikes gas that may will be categorised as a gas well even if the gas will not be developed.

The last table presents an aggregated summary of all drilling operations during 2007. Historical summaries can be found in Annex 10 -12.

NETHERLANDS TERRITORY

Exploration wells

	Well name	Licence	Operator	Result
1	Faan-01	Groningen	NAM	Gas
2	Witterdiep-02-sidetrack1	Drenthe II	NAM	Gas

Appraisal wells

	Well name	Licence	Operator	Result
1	Ottoland-01-sidetrack2	Andel III	Northern Petrol.	Oil

Production wells

	Well name	Licence	Operator	Result
1	Ameland East-205	Noord-Friesland	NAM	Failure
2	Ameland Westgat-101-sidetrack4	Noord-Friesland	NAM	Gas
3	De Blesse-02	Steenwijk	Vermilion	Gas
4	Coevorden-58	Drenthe II	NAM	Gas
5	Harlingen-10-sidetrack3	Leeuwarden	Vermilion	Gas
6	Harlingen-11-sidetrack1	Leeuwarden	Vermilion	Gas
7	Krabburen-02-sidetrack1	Noord-Friesland	NAM	Gas
8	Lauwerzijl-02	Groningen/Tietjerksterdl	NAM	Gas
9	Lauwerzijl-03-sidetrack1	Groningen/Tietjerksterdl	NAM	Gas

CONTINENTAL SHELF

Exploration wells

	Well name	Licence	Operator	Result
1	D15-05-sidetrack2	D15	Wintershall	Gas
2	K05-13	K05b	Total	Dry
3	P10-05	P10b	PetroCanada	Gas
4	P11-05	P11b	PetroCanada	Gas
5	Q01-26-sidetrack2	Q01	Wintershall	Dry

Appraisal wells

	Well name	Licence	Operator	Result
1	G14-B-02	G14 & G17b	Gaz de France	Gas
2	E18-07	E18a	Wintershall	Gas

Production wells

	Well name	Licence	Operator	Result
1	A12-A-01	A12a	Chevron	Gas
2	A12-A-03	A12a	Chevron	Gas
3	A12-A-04	A12a	Chevron	Gas
4	A12-A-05	A12a	Chevron	Gas
5	A12-A-06	A12a	Chevron	Gas
6	A12-A-07-sidetrack1	A12a	Chevron	Gas
7	F15-A-05-sidetrack1	F15a	Total	Gas
8	G16-A-02	G16a	Gaz de France	Gas
9	K02-A-03-sidetrack3	K02b	Gaz de France	Failure
10	K02-A-05-sidetrack1	K02b	Gaz de France	Gas
11	K12-G-08-sidetrack1	K12	Gaz de France	Gas
12	K15-FK-104	K15	NAM	Gas

Summary of drilling operations during 2007

	Type of well	Result				Total
		Gas	Oil	Gas+Oil	Dry	
Netherlands Territory	Exploration	2				2
	Appraisal		1			1
	Production	8			1*	9
	Sub total	10	1			12
Continental Shelf	Exploration	3			2	5
	Appraisal	2				2
	Production	11			1**	12
	Sub total	16			3	19
Total		26	1			31

8. PLATFORMS AND PIPELINES, CONTINENTAL SHELF

The tables below list all modifications to platforms and pipelines during 2006. For further information, please refer to the annual report of the State Supervision of Mines (Staatstoezicht op de Mijnen). Annexes 13 and 14 present a complete list of all platforms and pipelines.

New platforms, installed in 2007

Platform	Operator	Number of legs	Gas/Oil*	Function
A12-CPP	Chevron	4	Gas	Satellite
L09-FA-01	NAM	1	Gas	Satellite

New pipelines, laid in 2007

Operator	From	To	Diameter (inch)	Length (km)	Carries
Chevron	A12 CCP	B10 Nogat	16	16	gas
Gaz de France	G14-B	G17-D-AP	12	13,36	gas

Pipelines abandoned, in 2007

Operator	From	To	Laid	Diameter (inch)	Length (km)	Carries
Wintershall	P14-A	P15-D	1993	10 * 2	12,6	gas methanol
TotalFinaElf	L4-PN	L4-A	1999	10	11,4	gas

9. PRODUCTION AND STORAGE

The tables below list the aggregated production figures for natural gas, oil and condensate for 2007. Gas volumes are reported in Standard cubic meters (Sm^3), and Normal cubic meters (Nm^3). Changes in comparison to 2006 are listed in absolute terms and in terms of percentage. The information in the following tables is based on data supplied by the production operators. The production figures for condensate production and the storage volumes have been added to this overview. Condensate is generally considered as a by product from oil or gas production.

Total production of gas, oil and condensate in 2007 and changes compared to 2006

Gas	**Production 2007**		**Changes compared to 2006**	
	10^6 Nm^3	10^6 Sm^3	10^6 Sm^3	%
Netherlands Territory	*40464.5*	42706.6	-2854.9	-6.3%
Groningen accumulation	*28904.3*	30505.9	-4589.0	-13.1%
Territory other fields	*11560.2*	12200.8	1684.1	16.0%
Continental Shelf	*24259.0*	25603.2	423.3	1.7%
Total	*64723.5*	68309.9	-2431.5	-3.4%

Oil	**Production 2007**	**Changes compared to 2006**	
	10^3 Sm^3	10^3 Sm^3	%
Netherlands Territory	264	-58	-18%
Continental Shelf	2 233	995	80%
Total	2 497	936	60%
Average daily oil production	6850 (Sm^3/d)		

Condensate	**Production 2007**	**Changes compared to 2006**	
	10^3 Sm^3	10^3 Sm^3	%
Netherlands Territory	373	61	20%
Continental Shelf	315	-58	-16%
Total	688	3	0%

Gas storage	*10^6 Nm^3*	10^6 Sm^3
Injection	*349*	368
Discharge	*1 523*	1 608

The tables on the following pages present the monthly production figures for each production licence. Figures are presented in Standard cubic meters (Sm^3), and Normal cubic meters (Nm^3).
Annexes 16 up to and including 19 present historical gas and oil production figures over many years.

GAS PRODUCTION. Netherlands Territory in 2007 (in million Standard cubic meters. Sm^3)

The production per licence is a summation of the production of all producing wells of which the wellhead is located within the licence area. These figures have been supplied by the operating companies

Licence	Operator	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Bergen	Taqa	142.5	12.2	11.1	12.0	11.5	10.4	13.7	7.6	8.7	8.3	1.1	19.5	26.4
Botlek	NAM	1096.8	130.0	114.6	122.7	74.2	103.1	39.5	78.5	64.5	69.8	85.2	103.9	110.6
Drenthe	NAM	916.0	92.8	81.0	90.3	51.2	57.5	73.0	81.2	77.9	77.0	70.8	80.5	82.7
Gorredijk	Vermilion	64.5	6.7	5.9	6.5	5.9	3.8	3.7	6.4	5.5	5.3	5.0	4.8	4.9
Groningen	NAM	33499.8	5031.2	3872.9	2787.4	1385.0	615.5	654.2	625.2	758.0	1847.4	3213.2	5612.1	7097.7
Hardenberg	NAM	65.8	8.3	6.7	6.8	1.9	5.2	5.3	6.2	5.7	5.1	5.1	4.8	4.7
Leeuwarden	Vermilion	172.1	14.4	13.8	15.3	15.1	13.0	9.9	15.3	14.4	14.4	13.0	15.3	18.2
Middelie	NAM	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	14.6
N-Friesland	NAM	2988.1	227.0	227.1	273.4	252.8	224.8	251.8	278.1	176.1	212.5	249.5	291.3	323.6
Oosterend	Vermilion	6.9	0.5	0.5	0.5	0.6	0.5	0.3	0.6	0.7	0.7	0.8	0.7	0.5
Rijswijk	NAM	1758.0	169.3	181.4	196.7	159.9	96.1	135.3	142.9	119.9	162.5	117.8	133.8	142.4
Rossum-de Lutte	NAM	55.2	5.3	4.6	5.1	0.0	4.0	5.3	5.4	5.5	5.3	5.2	4.6	4.9
Schoonebeek	NAM	1280.5	98.1	103.2	133.0	80.2	105.9	71.9	118.2	117.7	101.9	111.3	120.8	118.5
Slootdorp	Vermilion	29.1	2.5	2.3	2.4	2.4	2.0	2.4	2.8	2.3	2.2	2.9	2.3	2.6
Steenwijk	Vermilion	41.8	3.9	3.5	3.9	3.7	2.4	2.0	3.6	4.0	3.7	3.7	3.8	3.7
Tietjerkstera deel	NAM	349.6	36.3	32.9	35.6	31.7	34.3	16.0	28.3	23.2	22.5	29.8	28.9	30.1
Tubbergen	NAM	78.9	6.5	6.9	7.5	0.0	6.2	7.2	8.0	7.5	7.2	7.3	6.8	7.7
Waalwijk	NPN	56.4	5.6	5.7	5.4	4.9	5.0	4.4	3.9	3.3	2.6	5.1	5.2	5.2
Zuidwal	Vermilion	81.9	8.5	7.5	8.4	7.6	6.1	5.6	7.7	7.4	7.1	2.9	6.3	6.9
Total		42706.6	5859.1	4681.6	3713.0	2088.9	1295.8	1301.4	1419.7	1402.4	2555.5	3929.8	6453.8	8005.9

GAS PRODUCTION. Netherlands Territory in 2007 (in million Normal cubic meters. Nm^3)

The production per licence is a summation of the production of all producing wells of which the wellhead is located within the licence area. These figures have been supplied by the operating companies.

Licence	Operator	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Bergen	Taqa	135.0	11.5	10.5	11.4	10.9	9.9	13.0	7.2	8.3	7.9	1.1	18.4	25.0
Botlek	NAM	1039.2	123.2	108.6	116.3	70.3	97.7	37.4	74.4	61.1	66.2	80.8	98.5	104.8
Drenthe	NAM	867.9	87.9	76.8	85.5	48.5	54.5	69.2	76.9	73.8	73.0	67.1	76.3	78.4
Gorredijk	Vermilion	61.1	6.4	5.6	6.1	5.6	3.6	3.5	6.0	5.2	5.0	4.8	4.6	4.7
Groningen	NAM	31741.1	4767.1	3669.5	2641.1	1312.3	583.2	619.9	592.3	718.3	1750.4	3044.5	5317.4	6725.1
Hardenberg	NAM	62.3	7.8	6.4	6.4	1.8	4.9	5.0	5.9	5.4	4.9	4.9	4.5	4.5
Leeuwarden	Vermilion	163.0	13.6	13.1	14.5	14.3	12.3	9.3	14.5	13.6	13.6	12.3	14.5	17.2
Middelie	NAM	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	13.8
N-Friesland	NAM	2831.2	215.1	215.2	259.0	239.6	213.0	238.6	263.5	166.8	201.3	236.4	276.1	306.6
Oosterend	Vermilion	6.6	0.4	0.4	0.5	0.6	0.5	0.3	0.6	0.7	0.7	0.7	0.7	0.4
Rijswijk	NAM	1665.7	160.4	171.9	186.4	151.5	91.1	128.2	135.4	113.6	154.0	111.6	126.8	134.9
Rossum-de Lutte	NAM	52.3	5.0	4.3	4.8	0.0	3.8	5.0	5.1	5.2	5.0	4.9	4.4	4.7
Schoonebeek	NAM	1213.3	92.9	97.7	126.0	76.0	100.3	68.1	112.0	111.5	96.5	105.5	114.5	112.3
Slootdorp	Vermilion	27.6	2.4	2.2	2.3	2.3	1.9	2.3	2.6	2.1	2.1	2.7	2.2	2.4
Steenwijk	Vermilion	39.6	3.7	3.3	3.7	3.5	2.3	1.9	3.4	3.8	3.5	3.5	3.6	3.5
Tietjerkstera deel	NAM	331.2	34.4	31.2	33.7	30.1	32.5	15.1	26.8	22.0	21.3	28.2	27.4	28.5
Tubbergen	NAM	74.7	6.2	6.6	7.1	0.0	5.8	6.8	7.6	7.1	6.8	6.9	6.5	7.3
Waalwijk	NPN	53.4	5.4	5.4	5.2	4.6	4.8	4.1	3.7	3.1	2.4	4.9	4.9	4.9
Zuidwal	Vermilion	77.6	8.0	7.1	8.0	7.2	5.7	5.3	7.3	7.0	6.7	2.7	6.0	6.5
Total		40464.5	5551.5	4435.8	3518.0	1979.3	1227.8	1233.0	1345.1	1328.7	2421.4	3723.5	6115.0	7585.5

GAS PRODUCTION. Continental Shelf in 2007 (in million Standard cubic meters. Sm^3)

The production per licence is a summation of the production of all producing wells of which the wellhead is located within the licence area. These figures have been supplied by the operating companies.

Licence	Operator	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
D12a	Wintershall	623.1	54.7	49.0	53.3	28.6	44.4	37.3	53.3	62.0	75.5	48.2	54.4	62.2
D15	GDF	239.6	10.6	10.3	14.4	14.5	24.0	20.4	18.8	22.1	25.3	27.2	23.6	28.4
F02a	PCN	39.7	3.6	3.2	2.6	3.7	3.9	3.5	2.1	3.7	3.4	3.4	3.3	3.2
F03	NAM	553.4	54.2	45.0	53.9	47.4	51.7	47.2	14.7	46.0	49.1	41.6	50.6	52.1
F15a	Total	521.0	21.0	24.2	25.7	22.3	54.7	64.8	43.6	56.0	57.0	44.2	51.9	55.6
F16	Wintershall	1247.5	108.0	94.5	85.3	69.5	110.5	114.1	112.2	115.3	108.9	111.6	106.8	110.8
G14	GDF	1017.7	70.3	67.2	79.9	79.3	85.3	92.2	52.5	84.4	43.0	95.0	92.0	176.7
G16a	GDF	248.4	19.1	18.4	20.8	20.0	18.8	19.2	19.6	5.1	0.0	21.8	40.0	45.6
G17a	GDF	262.5	1.6	14.3	31.0	25.6	23.0	28.6	28.7	21.1	15.1	26.9	22.6	24.0
G17cd	GDF	259.1	24.8	22.2	32.5	26.1	26.1	19.6	26.5	14.6	9.4	20.5	19.5	17.3
J3a	Total	217.8	21.0	19.3	21.0	19.7	18.1	18.9	19.8	16.9	13.0	12.6	18.5	18.9
J03b & J06	Venture	194.3	17.0	16.8	17.1	16.3	13.4	19.0	18.2	15.8	12.7	15.9	15.0	17.2
K01a	Total	819.2	76.7	71.6	77.2	76.5	62.9	72.8	71.0	63.9	53.2	48.9	70.7	73.7
K02b	GDF	661.0	29.9	41.9	42.1	24.9	52.6	45.8	15.7	78.5	84.4	83.2	78.7	83.2
K04a	Total	1261.7	120.2	111.9	125.3	108.6	90.1	118.3	112.0	75.4	89.0	101.1	106.8	103.0
K05a	Total	1432.9	137.4	119.5	132.3	130.2	117.3	90.7	117.8	89.8	108.9	129.5	129.6	129.8
K06	Total	861.6	91.6	67.3	86.8	84.1	81.3	70.9	20.7	65.5	51.5	81.8	80.8	79.2
K07	NAM	341.6	37.6	35.3	37.2	25.8	40.1	32.9	32.5	32.6	11.1	22.0	15.9	18.5
K08	NAM	847.3	89.5	77.6	83.9	52.3	80.7	69.0	75.9	77.9	27.6	73.6	71.0	68.3
K09a & K09b	GDF	210.3	33.4	25.1	20.3	18.9	11.7	14.8	15.8	6.5	18.1	14.1	14.5	17.0
K09c	GDF	34.6	3.4	3.0	3.2	3.1	2.3	2.8	2.9	2.9	2.7	2.8	2.6	2.8
K12	GDF	1480.5	148.9	134.4	109.6	91.1	250.7	86.7	106.0	81.8	78.9	128.0	128.9	135.5
K14	NAM	120.0	16.2	13.4	15.1	10.0	11.9	0.0	13.1	10.6	4.5	6.9	6.4	11.9
K15	NAM	2058.8	175.4	147.8	164.5	158.3	190.8	115.8	172.0	185.5	152.5	146.1	225.9	224.3
K17	NAM	364.5	37.0	39.9	40.6	28.7	38.9	0.0	37.1	37.3	26.4	29.7	27.7	21.2
L02	NAM	695.1	71.5	64.4	64.7	48.2	65.7	64.1	29.1	36.5	55.4	65.4	61.3	68.7
L04a	Total	731.6	82.8	70.9	76.7	64.8	52.9	72.6	78.2	55.3	36.4	45.7	46.5	48.8
L05a	NAM	390.2	44.1	37.3	35.7	35.6	35.2	34.5	16.3	24.2	27.6	33.5	33.0	33.1
L05b	Wintershall	497.4	55.6	51.5	59.8	51.6	23.8	24.4	33.5	45.7	36.0	41.4	36.0	38.2
L05c	Wintershall	400.8	44.4	32.5	36.6	33.1	14.6	38.7	26.3	34.5	38.3	34.1	33.3	34.4
L06d	ATP	51.5	7.2	7.4	6.3	3.2	3.4	3.3	3.5	3.8	2.4	4.3	3.1	3.5
L07	Total	99.9	10.5	8.7	12.2	11.1	7.2	8.2	6.9	6.4	5.2	6.5	6.6	10.3
L08a	Wintershall	67.0	5.3	4.7	5.3	3.9	7.2	7.1	7.0	6.8	6.1	6.3	1.0	6.3
L08b	Wintershall	349.2	35.5	31.6	35.0	28.5	24.8	31.8	32.6	28.2	28.8	27.2	17.3	28.0
L09a	NAM	1623.8	171.5	159.0	170.5	136.0	151.5	131.8	58.0	108.5	102.6	143.5	144.5	146.5
L10	GDF	838.3	75.3	66.2	77.6	49.6	63.9	69.1	70.4	49.9	77.8	81.4	83.6	73.7
L11b	Chevron	29.2	3.0	2.6	2.7	2.1	2.5	2.6	2.4	2.4	2.4	2.4	2.0	2.1
L13	NAM	390.1	39.5	32.8	34.2	29.3	38.2	34.6	39.4	24.6	6.8	40.6	35.2	34.9
L15b	NAM	246.4	27.6	23.9	28.4	21.1	23.8	4.1	17.2	18.0	18.2	22.3	20.2	21.5
P06	Wintershall	248.0	21.6	21.8	24.8	23.2	23.5	21.7	24.3	11.6	15.6	16.9	19.4	23.7
P09c	Chevron	4.0	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
P11b	PCN	130.6	11.0	11.4	10.9	10.6	11.2	11.4	12.0	10.8	8.0	11.5	10.9	10.9

Licence	Operator	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
P12	Wintershall	48.7	3.7	4.5	5.6	4.5	4.4	2.3	4.7	3.3	1.9	5.1	4.4	4.2
P15a	Wintershall	283.0	19.5	30.7	31.6	30.0	29.3	7.4	22.5	20.4	21.7	25.1	18.9	25.9
P15c	Taqa	6.2	1.6	1.3	0.8	0.5	0.4	0.2	0.0	0.0	0.2	0.0	0.0	1.1
P18a	Taqa	424.6	41.3	52.7	37.5	34.3	37.0	9.3	35.3	35.6	31.5	38.2	35.7	36.0
Q01	Chevron	18.6	0.7	0.4	1.5	1.6	1.9	1.4	1.2	2.2	1.6	2.5	2.3	1.3
Q04	Wintershall	1774.9	153.3	146.4	154.7	159.8	159.0	164.5	158.6	129.5	140.2	103.5	146.3	159.2
Q05c	Wintershall	6.6	0.2	0.0	0.0	0.0	0.0	0.2	1.4	1.3	0.9	1.0	1.1	0.4
Q16a	NAM	329.5	26.3	0.0	42.4	36.8	41.4	10.6	33.1	37.0	37.2	25.2	7.8	31.5
Total		25603.2	2356.3	2136.2	2331.3	2005.6	2328.6	1961.5	1916.7	1967.9	1824.5	2120.6	2228.7	2425.3

GAS PRODUCTION. Continental Shelf in 2007 (in million Normal cubic meters. Nm^3)

The production per licence is a summation of the production of all producing wells of which the wellhead is located within the licence area. These figures have been supplied by the operating companies.

Licence	Operator	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
D12a	Wintershall	590.4	51.8	46.5	50.5	27.1	42.1	35.4	50.5	58.8	71.5	45.7	51.5	59.0
D15	GDF	227.0	10.1	9.7	13.7	13.8	22.8	19.3	17.8	21.0	24.0	25.8	22.3	26.9
F02a	PCN	37.6	3.5	3.0	2.4	3.5	3.7	3.3	2.0	3.5	3.2	3.3	3.1	3.0
F03	NAM	524.4	51.3	42.7	51.0	44.9	49.0	44.7	14.0	43.6	46.5	39.4	47.9	49.4
F15a	Total	493.7	19.9	23.0	24.4	21.2	51.8	61.4	41.3	53.1	54.0	41.8	49.2	52.7
F16	Wintershall	1182.0	102.4	89.5	80.8	65.8	104.7	108.1	106.3	109.3	103.1	105.8	101.2	105.0
G14	GDF	964.3	66.6	63.6	75.7	75.1	80.8	87.3	49.8	79.9	40.8	90.0	87.2	167.4
G16a	GDF	235.4	18.1	17.4	19.7	18.9	17.8	18.2	18.6	4.8	0.0	20.7	37.9	43.2
G17a	GDF	248.7	1.5	13.5	29.3	24.3	21.8	27.1	27.2	20.0	14.3	25.5	21.4	22.8
G17cd	GDF	245.5	23.5	21.1	30.8	24.7	24.8	18.5	25.1	13.8	8.9	19.4	18.5	16.4
J3a	Total	206.4	19.9	18.3	19.9	18.7	17.2	17.9	18.8	16.0	12.4	11.9	17.6	17.9
J03b & J06	Venture	184.1	16.1	15.9	16.2	15.5	12.7	18.0	17.2	15.0	12.0	15.1	14.2	16.3
K01a	Total	776.2	72.7	67.8	73.2	72.5	59.6	69.0	67.2	60.6	50.4	46.3	66.9	69.9
K02b	GDF	626.3	28.4	39.7	39.9	23.6	49.8	43.4	14.9	74.4	80.0	78.8	74.6	78.9
K04a	Total	1195.5	113.9	106.0	118.7	102.9	85.4	112.1	106.2	71.5	84.3	95.8	101.2	97.6
K05a	Total	1357.6	130.2	113.2	125.4	123.3	111.1	86.0	111.6	85.1	103.2	122.7	122.8	123.0
K06	Total	816.4	86.8	63.8	82.3	79.7	77.0	67.2	19.6	62.1	48.8	77.5	76.6	75.0
K07	NAM	323.6	35.6	33.4	35.2	24.5	38.0	31.2	30.8	30.9	10.5	20.9	15.1	17.6
K08	NAM	802.8	84.8	73.5	79.5	49.6	76.5	65.4	71.9	73.8	26.2	69.7	67.2	64.7
K09a & K09b	GDF	199.3	31.7	23.8	19.2	17.9	11.0	14.1	14.9	6.2	17.1	13.4	13.8	16.1
K09c	GDF	32.8	3.2	2.8	3.1	3.0	2.2	2.7	2.8	2.7	2.5	2.7	2.5	2.7
K12	GDF	1402.8	141.1	127.4	103.8	86.4	237.6	82.1	100.4	77.5	74.7	121.3	122.2	128.4
K14	NAM	113.7	15.4	12.7	14.3	9.5	11.3	0.0	12.4	10.0	4.2	6.6	6.1	11.3
K15	NAM	1950.7	166.2	140.0	155.8	150.0	180.8	109.8	163.0	175.7	144.5	138.4	214.0	212.5
K17	NAM	345.3	35.1	37.8	38.5	27.1	36.8	0.0	35.2	35.3	25.0	28.1	26.3	20.1
L02	NAM	658.6	67.8	61.1	61.3	45.7	62.3	60.7	27.5	34.6	52.5	62.0	58.0	65.1
L04a	Total	693.2	78.5	67.2	72.7	61.4	50.1	68.8	74.1	52.4	34.5	43.3	44.0	46.3
L05a	NAM	369.8	41.8	35.3	33.8	33.7	33.4	32.7	15.5	22.9	26.2	31.8	31.3	31.4
L05b	Wintershall	471.3	52.7	48.8	56.6	48.9	22.6	23.1	31.7	43.3	34.1	39.2	34.2	36.2
L05c	Wintershall	379.7	42.1	30.8	34.6	31.4	13.8	36.6	24.9	32.7	36.3	32.3	31.5	32.6
L06d	ATP	48.8	6.8	7.1	5.9	3.1	3.2	3.1	3.3	3.6	2.3	4.0	3.0	3.3
L07	Total	94.6	9.9	8.2	11.5	10.5	6.9	7.7	6.6	6.0	4.9	6.2	6.3	9.8
L08a	Wintershall	63.5	5.1	4.5	5.0	3.7	6.8	6.7	6.6	6.4	5.8	6.0	0.9	6.0
L08b	Wintershall	330.8	33.7	30.0	33.1	27.0	23.5	30.1	30.9	26.7	27.3	25.8	16.4	26.5
L09a	NAM	1538.5	162.5	150.7	161.5	128.8	143.6	124.9	55.0	102.8	97.2	135.9	136.9	138.8
L10	GDF	794.3	71.3	62.7	73.5	47.0	60.5	65.5	66.7	47.3	73.7	77.1	79.2	69.9
L11b	Chevron	27.6	2.8	2.5	2.6	2.0	2.4	2.4	2.2	2.3	2.3	2.3	1.9	2.0
L13	NAM	369.6	37.4	31.1	32.4	27.7	36.2	32.8	37.3	23.3	6.4	38.5	33.4	33.1
L15b	NAM	233.5	26.2	22.7	26.9	20.0	22.5	3.9	16.3	17.1	17.2	21.1	19.2	20.3
P06	Wintershall	235.0	20.5	20.7	23.5	22.0	22.3	20.5	23.0	11.0	14.8	16.0	18.3	22.4
P09c	Chevron	3.8	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
P11b	PCN	123.7	10.4	10.8	10.3	10.1	10.6	10.8	11.4	10.2	7.6	10.9	10.4	10.4

Licence	Operator	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
P12	Wintershall	46.2	3.5	4.3	5.3	4.3	4.2	2.2	4.4	3.1	1.8	4.8	4.2	4.0
P15a	Wintershall	268.1	18.5	29.1	30.0	28.4	27.8	7.0	21.3	19.3	20.6	23.7	17.9	24.5
P15c	Taqa	5.9	1.5	1.2	0.8	0.5	0.4	0.2	0.0	0.0	0.2	0.0	0.0	1.1
P18a	Taqa	402.3	39.2	49.9	35.5	32.5	35.0	8.9	33.5	33.8	29.8	36.2	33.9	34.1
Q01	Taqa	17.6	0.6	0.4	1.4	1.5	1.8	1.3	1.2	2.0	1.5	2.3	2.2	1.2
Q04	Chevron	1681.7	145.2	138.7	146.6	151.4	150.7	155.9	150.3	122.7	132.8	98.0	138.6	150.9
Q05c	Wintershall	6.2	0.2	0.0	0.0	0.0	0.0	0.2	1.3	1.3	0.9	0.9	1.0	0.4
Q16a	Wintershall	312.2	24.9	0.0	40.2	34.9	39.3	10.1	31.4	35.0	35.2	23.9	7.4	29.8
Total		24259.0	2232.6	2024.0	2208.9	1900.3	2206.4	1858.6	1816.0	1864.6	1728.7	2009.3	2111.7	2298.0

OIL PRODUCTION in 2007 (x 1000 Standard cubic meters. Sm^3)

The production per licence is a summation of the production of all producing wells of which the wellhead is located within the licence area. These figures have been supplied by the operating companies.

Licence	Operator	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Botlek	NAM	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Rijswijk	NAM	263.5	25.5	22.5	23.2	21.8	22.8	21.3	22.1	23.2	21.5	14.6	22.2	22.7
F02a	PCN	474.8	44.1	38.6	31.8	44.5	46.8	40.3	25.3	45.9	39.5	41.6	39.4	36.9
F03	NAM	94.7	9.9	8.2	9.8	8.6	9.2	7.9	2.3	7.3	8.0	7.4	8.0	8.1
K18b	Wintershall	51.0	2.1	5.8	5.8	3.2	3.5	1.8	4.2	4.2	4.2	5.4	5.4	5.3
L16a	Wintershall	39.7	3.8	3.4	3.7	3.6	3.1	2.1	2.1	3.5	3.5	3.6	3.7	3.7
P09c	Chevron	52.8	4.7	4.2	4.7	4.4	4.4	4.2	4.4	4.5	4.3	4.4	4.3	4.4
P11b	PCN	1371.2	117.8	121.9	116.7	113.6	118.8	117.2	126.1	108.5	83.8	114.8	109.0	123.1
Q01	Chevron	148.8	12.3	9.4	14.0	13.2	13.8	12.7	12.8	12.8	12.6	13.1	9.9	12.2
Total		2497.0	220.2	214.2	209.7	212.9	222.4	207.5	199.3	209.8	177.9	204.9	201.9	216.3

CONDENSATE* PRODUCTION in 2007 (x 1000 Standard cubic meters. Sm^3)

These figures have been supplied by the operating companies.

Licence	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Gas fields Territory	373.0	41.4	39.1	38.3	26.5	26.4	25.8	30.2	24.3	26.8	26.1	34.0	34.2
Gas fields Continental Shelf	314.9	30.8	28.1	31.7	27.5	29.3	20.3	23.9	22.9	20.4	25.3	26.0	28.7
Total	687.9	72.2	67.2	70.0	54.0	55.7	46.1	54.0	47.2	47.3	51.3	60.1	62.9

* Condensate is a liquid that is recovered as a by-product during the production of natural gas. This liquid is also referred to as natural gasoline or natural gas liquids (NGL).

GAS STORAGE in 2007.

These figures have been supplied by the operating companies.

INJECTION (in million Standard cubic meters. Sm^3)

Licence	Operator	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Alkmaar	Taqa	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.12	0.00	0.00	0.00	0.00
Grijpskerk	NAM	172.83	0.00	0.00	0.00	0.11	0.10	0.03	0.16	85.76	86.66	0.00	0.00	0.00
Norg	NAM	194.84	0.00	0.00	0.00	0.09	0.16	0.03	0.13	44.38	150.05	0.00	0.00	0.00
Total		367.82	0.00	0.00	0.00	0.20	0.26	0.06	0.33	130.26	236.71	0.00	0.00	0.00

INJECTION (in million Normal cubic meters. Nm^3)

Licence	Operator	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Alkmaar	Taqa	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.11	0.00	0.00	0.00	0.00
Grijpskerk	NAM	163.75	0.00	0.00	0.00	0.10	0.10	0.03	0.16	81.26	82.11	0.00	0.00	0.00
Norg	NAM	184.61	0.00	0.00	0.00	0.08	0.15	0.03	0.13	42.05	142.17	0.00	0.00	0.00
Total		348.51	0.00	0.00	0.00	0.19	0.25	0.05	0.31	123.42	224.29	0.00	0.00	0.00

PRODUCTION in 2007 (in million Standard cubic meters. Sm^3)

Licence	Operator	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Alkmaar	Taqa	0.22	0.01	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00
Grijpskerk	NAM	741.28	0.09	0.28	0.15	0.00	0.04	0.00	0.00	0.12	0.03	58.82	255.42	426.33
Norg	NAM	866.05	0.07	0.31	0.27	0.00	0.00	0.00	0.00	0.01	0.01	8.10	443.64	413.65
Total		1607.56	0.16	0.65	0.50	0.00	0.04	0.00	0.00	0.13	0.04	66.94	699.12	839.98

PRODUCTION in 2007 (in million Normal cubic meters. Nm^3)

Licence	Operator	Total	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Alkmaar	Taqa	0.21	0.01	0.06	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.00
Grijpskerk	NAM	702.36	0.08	0.26	0.14	0.00	0.04	0.00	0.00	0.12	0.03	55.74	242.01	403.95
Norg	NAM	820.59	0.06	0.29	0.26	0.00	0.00	0.00	0.00	0.01	0.01	7.68	420.35	391.93
Total		1523.16	0.15	0.62	0.47	0.00	0.04	0.00	0.00	0.12	0.04	63.42	662.42	795.88

ANNEXES

NATURAL GAS ACCUMULATIONS BY STATUS as at 1 January 2008

NATURAL GAS ACCUMULATIONS

I. DEVELOPED ACCUMULATIONS				
a) Producing Accumulation*	**Company**	**Licence name****	**Licence type*****	**Gas/ Oil**
Ameland-Oost	NAM	Noord-Friesland	pl	G
Ameland-Westgat	NAM	Noord-Friesland	pl	G
Anjum	NAM	Noord-Friesland	pl	G
Annerveen	NAM	Groningen	pl	G&O
Assen	NAM	Drenthe	pl	G
Barendrecht	NAM	Rijswijk	pl	G&O
Barendrecht-Ziedewij	NAM	Rijswijk	pl	G
Bedum	NAM	Groningen	pl	G
Bergen	TAQA	Bergen II	pl	G
Blija-Ferwerderadeel	NAM	Noord-Friesland	pl	G
Blija-Zuidoost	NAM	Noord-Friesland	pl	G
Blijham	NAM	Groningen	pl	G
Boerakker	NAM	Groningen	pl	G
Botlek	NAM	Botlek	pl	G
Bozum	Vermilion	Oosterend	pl	G
Coevorden	NAM	Schoonebeek	pl	G
Collendoorn	NAM	Hardenberg	pl	G
Collendoornerveen	NAM	Schoonebeek	pl	G
Dalen	NAM	Drenthe	pl	G
De Blesse	Vermilion	Steenwijk	pl	G
De Wijk	NAM	Schoonebeek	pl	G
Den Velde	NAM	Hardenberg	pl	G
Eleveld	NAM	Drenthe	pl	G
Emmen	NAM	Drenthe	pl	G
Emmen-Nieuw Amsterdam	NAM	Drenthe	pl	G
Ezumazijl	NAM	Noord-Friesland	pl	G
Feerwerd	NAM	Groningen	pl	G
Franeker	Vermilion	Leeuwarden	pl	G
Friesland	Vermilion	Leeuwarden	pl	G
Gaag	NAM	Rijswijk	pl	G
Geestvaartpolder	NAM	Rijswijk	pl	G
Groet	TAQA	Bergen II	pl	G
Groet-Oost	TAQA	Middelie	pl	G
Groningen	NAM	Groningen	pl	G
Grootegast	NAM	Groningen	pl	G
Hardenberg	NAM	Schoonebeek	pl	G
Hardenberg-Oost	NAM	Hardenberg	pl	G

Harlingen Lower Cretaceous	Vermilion	Leeuwarden	pl	G
Harlingen Upper Cretaceous	Vermilion	Leeuwarden	pl	G
Hekelingen	NAM	Botlek	pl	G
Houwerzijl	NAM	Groningen	pl	G
Kielwindeweer	NAM	Groningen	pl	G
Kollum	NAM	Tietjerksteradeel	pl	G
Kollumerland	NAM	Tietjerksteradeel	pl	G
Kollum-Noord	NAM	Noord-Friesland	pl	G
Kommerzijl	NAM	Groningen	pl	G
Leens	NAM	Groningen	pl	G
Loon op Zand	Northern Petroleum	Waalwijk	pl	G
Loon op Zand-Zuid	Northern Petroleum	Waalwijk	pl	G
Maasdijk	NAM	Rijswijk	pl	G
Marum	NAM	Groningen	pl	G
Metslawier	NAM	Noord-Friesland	pl	G
Middelburen	Vermilion	Leeuwarden	pl	G
Middelie	NAM	Middelie	pl	G
Middenmeer	Vermilion	Slootdorp	pl	G
Moddergat	NAM	Noord-Friesland	pl	G
Molenpolder	NAM	Groningen	pl	G
Monster	NAM	Rijswijk	pl	G
Munnekezijl	NAM	Groningen	pl	G
Nes	NAM	Noord-Friesland	pl	G
Noorderdam	NAM	Rijswijk	pl	G
Noordwolde	Vermilion	Gorredijk	pl	G
Norg-Zuid	NAM	Drenthe	pl	G
Oldelamer	Vermilion	Gorredijk	pl	G
Oldenzaal	NAM	Rossum-de Lutte	pl	G
Oosterhesselen	NAM	Drenthe	pl	G
Opende-Oost	NAM	Groningen	pl	G
Oude Pekela	NAM	Groningen	pl	G
Pasop	NAM	Groningen	pl	G
Pernis	NAM	Rijswijk	pl	G&O
Pernis-West	NAM	Rijswijk	pl	G&O
Reedijk	NAM	Botlek	pl	G
Ried	Vermilion	Leeuwarden	pl	G
Rossum-Weerselo	NAM	Rossum-de Lutte	pl	G
Saaksum	NAM	Groningen	pl	G
Schermer	TAQA	Bergen II	pl	G
Schoonebeek Gas	NAM	Schoonebeek	pl	G
Sebaldeburen	NAM	Groningen	pl	G
's-Gravenzande	NAM	Rijswijk	pl	G
Slootdorp	Vermilion	Slootdorp	pl	G
Spijkenisse-Oost	NAM	Botlek	pl	G&O
Spijkenisse-West	NAM	Beijerland	pl	G&O
Sprang	Northern Petroleum	Waalwijk	pl	G

Suawoude	NAM	Tietjerksteradeel	pl	G
Tietjerksteradeel	NAM	Tietjerksteradeel	pl	G
Tubbergen	NAM	Tubbergen	pl	G
Tubbergen-Mander	NAM	Tubbergen	pl	G
Ureterp	NAM	Tietjerksteradeel	pl	G
Vries	NAM	Drenthe	pl	G
Waalwijk-Noord	Northern Petroleum	Waalwijk	pl	G
Wanneperveen	NAM	Schoonebeek	pl	G
Warffum	NAM	Groningen	pl	G
Westbeemster	NAM	Middelie	pl	G
Witterdiep	NAM	Drenthe	pl	G
Zuidwal	Vermilion	Zuidwal	pl	G
Zuidwending-Oost	NAM	Groningen	pl	G
D12-A	Wintershall	D12a	pl	G
D15-A	Gaz de France	D15	pl	G
D15-A-104	Gaz de France	D15	pl	G
F15a-A	Total	F15a	pl	G
F15a-B	Total	F15a	pl	G
F16-E	Wintershall	E18a	pl	G
G14-A&B	Gaz de France	G14	pl	G
G14-C	Gaz de France	G14	pl	G
G16a-A	Gaz de France	G16a	pl	G
G17a-S1	Gaz de France	G17d	pl	G
G17cd-A	Gaz de France	G17d	pl	G
Halfweg	Chevron	Q01	pl	G
J03-C Unit	Total	J06	pl	G
K01-A Unit	Total	K01a	pl	G
K02b-A	Gaz de France	K02b	pl	G
K04-A	Total	K04b	pl	G
K04a-B	Total	K04a	pl	G
K04a-D	Total	K04a	pl	G
K04-E	Total	K04a	pl	G
K04-N	Total	K04a	pl	G
K05a-A	Total	K05a	pl	G
K05a-B	Total	K05a	pl	G
K05a-D	Total	K05a	pl	G
K05a-En	Total	K05a	pl	G
K05a-Es	Total	K05a	pl	G
K05-C Unit	Total	K05a	pl	G
K05-G	Total	K05a	pl	G
K06-A	Total	K06	pl	G
K06-C	Total	K06	pl	G
K06-D	Total	K06	pl	G
K06-DN	Total	K06	pl	G
K06-G	Total	K06	pl	G
K06-N	Total	K06	pl	G
K06-T	Total	K06	pl	G

K07-FA	NAM	K07	pl	G
K07-FB	NAM	K07	pl	G
K07-FC	NAM	K07	pl	G
K07-FD	NAM	K07	pl	G
K07-FE	NAM	K07	pl	G
K08-FA	NAM	K11	pl	G
K09ab-A	Gaz de France	K09b	pl	G
K09ab-B	Gaz de France	K09a	pl	G
K09c-A	Gaz de France	K09c	pl	G
K12-B	Gaz de France	K12	pl	G
K12-C	Gaz de France	K12	pl	G
K12-D	Gaz de France	K12	pl	G
K12-G	Gaz de France	K12	pl	G
K12-K	Gaz de France	K12	pl	G
K12-S2	Gaz de France	K12	pl	G
K12-S3	Gaz de France	K12	pl	G
K14-FA	NAM	K14	pl	G
K14-FB	NAM	K14	pl	G
K15-FA	NAM	K15	pl	G
K15-FE	NAM	K15	pl	G
K15-FG	NAM	K15	pl	G
K15-FJ	NAM	K15	pl	G
K15-FK	NAM	K15	pl	G
K15-FL	NAM	K15	pl	G
K15-FM	NAM	K15	pl	G
K15-FO	NAM	K15	pl	G
K17-FA	NAM	K17	pl	G
L/11b	Chevron	L11b	pl	G
L01-A	Total	L01a	pl	G
L02-FA	NAM	L02	pl	G
L02-FB	NAM	L02	pl	G
L04-A	Total	L04a	pl	G
L04a-G	Total	L04a	pl	G
L04-B	Total	K06	pl	G
L04-F	Total	L04a	pl	G
L04-I	Total	L04a	pl	G
L05-B	Wintershall	L05b	pl	G
L05-C	Wintershall	L05	pl	G
L05-FA	NAM	L05a	pl	G&O
L06d	ATP	L06d	pl	G
L07-B	Total	L07	pl	G
L07-C	Total	L07	pl	G
L07-G	Total	L07	pl	G
L07-H	Total	L07	pl	G
L07-Hse	Total	L07	pl	G
L07-N	Total	L07	pl	G
L08-A	Wintershall	L08a	pl	G
L08-A West	Wintershall	L08b	pl	G

L08-G	Wintershall	L08a	pl	G
L08-H	Wintershall	L08a	pl	G
L08-P	Wintershall	L08b	pl	G
L09-FC	NAM	L09b	pl	G
L09-FD	NAM	L09b	pl	G
L09-FF	NAM	L09a	pl	G
L09-FI	NAM	L09a	pl	G
L10 Central Development Area	Gaz de France	L10	pl	G
L10-G	Gaz de France	L10	pl	G
L10-M	Gaz de France	L10	pl	G
L10-S2	Gaz de France	L10	pl	G
L10-S4	Gaz de France	L11a	pl	G
L12-FC	NAM	L12b	pl	G
L13-FC	NAM	L13	pl	G
L13-FD	NAM	L13	pl	G
L13-FE	NAM	L13	pl	G
L13-FF	NAM	L13	pl	G
L13-FG	NAM	L13	pl	G
L15-FA	NAM	L15b	pl	G
Markham	Venture	J06	pl	G
P06 South	Wintershall	P06	pl	G
P06-D	Wintershall	P06	pl	G
P06-Main	Wintershall	P06	pl	G
P12-SW	Wintershall	P12	pl	G
P15-11	TAQA	P15a	pl	G
P15-12	TAQA	P15a	pl	G
P15-14	TAQA	P15c	pl	G
P15-16	TAQA	P15a	pl	G
P15-17	TAQA	P15a	pl	G
P18-2	TAQA	P18a	pl	G
P18-4	TAQA	P18a	pl	G
P18-6	TAQA	P18a	pl	G
Q01-B	Wintershall	Q01	pl	G
Q04-A	Wintershall	Q04	pl	G
Q04-B	Wintershall	Q04	pl	G
Q05-A	Wintershall	Q05c	pl	G
Q16-FA	NAM	Q16a	pl	G

b) Underground Gas Storage

Alkmaar PGI	TAQA	Bergen	pl/sl	G
Bergermeer	TAQA	Bergermeer	pl/sl	G
Grijpskerk	NAM	Groningen	pl/sl	G
Norg	NAM	Drenthe	pl/sl	G

II. UNDEVELOPED ACCUMULATIONS

a) start of production expected between 2008 – 2013

Accumulation*	Company	Licence name**	Licence type***	Gas/ Oil
Andel	Northern Petroleum	Andel III	el	G
Blesdijke	Vermilion	Steenwijk	pl	G
Brakel	Northern Petroleum	Andel III	el	G&O
Burum	NAM	Tietjerksteradeel	pl	G
Eesveen	NAM	Steenwijk	pl	G
Egmond-Binnen	NAM	Middelie	pl	G
Faan	NAM	Groningen	pl	G
Gasselternijveen	NAM	Drenthe		G
Geesbrug	Northern Petroleum	Drenthe	pl	G
Grolloo	Northern Petroleum	Drenthe	pl	G
Harkema	NAM	Groningen	pl	G
Langebrug	NAM	Groningen	pl	G
Lauwersoog	NAM	Noord-Friesland	pl	G
Marumerlage	NAM	Groningen	pl	G
Oosterwolde	Smart Energy Solutions	Oosterwolde	pl	G
Rammelbeek	NAM	Twenthe	pl	G
Rodewolt	NAM	Groningen	pl	G
Rustenburg	NAM	Middelie	pl	G
Surhuisterveen	NAM	Groningen	pl	G
Usquert	NAM	Groningen	pl	G
Vierhuizen	NAM	Groningen	pl	G
Zevenhuizen	NAM	Groningen	pl	G
A12-FA	Chevron	A12a	pl	G
A15-A	Wintershall	A15a	el	G
A18-FA	Chevron	A18a	pl	G
B10-FA	Chevron	A12b	pla	G
B13-FA	Chevron	B13a	pl	G
B16-FA	Chevron	B16a	pla	G
D15 Tourmaline	Wintershall	D15	pl	G
D18-FA	Gaz de France	D18a	pla	G
E18-A	Wintershall	E18a	pl	G
E13 Epidoot	Tullow Oil	E13	el	G
E17-A	Gaz de France	E17a	pl	G
F03-FA	Venture	F03	pl	G
F16-P	Wintershall	F16	pl	G
G16a-B	Gaz de France	G16a	pl	G
K05-F	Total	K05a	pl	G
K08-FB	NAM	K08	pl	G
K15-FN	NAM	K15	pl	G
K18-Golf	Wintershall	K18b	pl	G
L09-FA	NAM	L09a	pl	G

L09-FB	NAM	L09a	pl	G
L09-FE	NAM	L09b	pl	G
L12-FB	NAM	L12a	pl	G
L13-FI	NAM	L13	pl	G
L13-FJ	NAM	L13	pl	G
M01-A	Cirrus Energy	M01a	pla	G
M07-A	Cirrus Energy	M07	pl	G
M09-FB	NAM	Noord-Friesland	pl	G
N07-FA	NAM	Noord-Friesland	pl	G
P06 Northwest	Wintershall	P06	pl	G
P09-A	Wintershall	P09b	pl	G
P09-B	Wintershall	P09b	pl	G
P10b Van Brakel	Petro Canada	P10b	pl	G
P11b Van Nes	Petro Canada	P11b	pl	G
b) Others				
Beerta	NAM	Groningen	pl	G
Boskoop	NAM	Rijswijk	pl	G
Buma	NAM	Drenthe	pl	G
Deurningen	NAM	Twenthe	pl	G
Donkerbroek	NAM	Donkerbroek	pl	G
Exloo	NAM	Drenthe	pl	G
Haakswold	NAM	Schoonebeek	pl	G
Heiloo	TAQA	Bergen II	pl	G
Hollum-Ameland	NAM	Noord-Friesland	pl	G
Kerkwijk	NAM	Andel III	el	G
Kijkduin-Zee	NAM	Rijswijk	pl	G
Maasgeul	NAM	Botlek	pl	G
Midlaren	NAM	Groningen	pl	G
Molenaarsgraaf	NAM	Andel III	el	G
Nes-Noord	NAM	Noord-Friesland	pl	G
Nieuweschans	NAM	Groningen	pl	G
Nijega	Vermilion	Leeuwarden	pl	G
Oppenhuizen	NAM	Zuid-Friesland II	open-a	G
Schiermonnikoog-Wad	NAM	Noord-Friesland	pl	G
Sonnega	Vermilion	Steenwijk	pl	G
Weststellingwerf				
Ternaard	NAM	Noord-Friesland	pl	G
Terschelling-Noord	NAM	Terschelling	open-a	G
Terschelling-West			open	G
Valthermond	NAM	Drenthe	pl	G
Vlagtwedde	NAM	Groningen	pl	G
Wassenaar-Diep	NAM	Rijswijk	pl	G
Werkendam	NAM	Rijswijk	pl	G&O
Witten	NAM	Drenthe	pl	G
Zevenhuizen-West	NAM	Groningen	pl	G

B17-A	Wintershall	B17b	el	G
E12 Lelie		E12	open	G
E12 Tulp East		E12	open	G
K04a-Z	Total	K04a	pl	G
K05-C North	Total	K05b	pl	G
K05-U	Total	K05b	pl	G
K08-FD	NAM	K08	pl	G
K08-FF	NAM	K08	pl	G
K14-FC	NAM	K14	pl	G
K15-FD	NAM	K15	pl	G
K15-FF	NAM	K15	pl	G
K15-FH	NAM	K15	pl	G
K15-FI	NAM	K15	pl	G
K16-5		K16	open	G
K17-FB	NAM	K17	pl	G
K18-FB	Wintershall	K18b	pl	G
L02-FC	NAM	L02	pl	G
L04-D	Total	L04a	pl	G
L07-D	Total	L07	pl	G
L07-F	Total	L07	pl	G
L08-D	Cirrus Energy	L08a	pl	G
L10-19	Gaz de France	L10	pl	G
L10-6	Gaz de France	L10	pl	G
L11-1	Gaz de France	L11a	pl	G
L11-7	Gaz de France	L11a	pl	G
L12-FA	NAM	L12b	pl	G
L12-FD	NAM	L12a	pl	G
L13-FA	NAM	L13	pl	G
L13-FK	NAM	L13	pl	G
L14-FB		L14	open	G
L16-Alpha	Wintershall	L16a	pl	G
L16-Bravo	Wintershall	L16a	pl	G
L16-FA	Wintershall	L16a	pl	G
M09-FA	NAM	Noord-Friesland	pl	G
M11-FA	Ascent	M11	el	G
P01-FA	Elko Energy	P01	open-a	G
P01-FB	Elko Energy	P01	open-a	G
P02-1		P02	open	G
P02-5		P02	open	G
P02-E		P02	open	G
Q02-A	Wintershall	Q2a	pla	
Q07-FA	Cirrus Energy	Q10	open-a	G
Q13-FC		Q13b	open	G

III. PRODUCTION CEASED				
Accumulation *	**Company**	**Licence name****	**Type of licence *****	**Gas/ Oil**
Akkrum 1	Chevron	Akkrum	open-a	G
Akkrum 11	Chevron	Akkrum	open-a	G
Akkrum 13	Chevron	Akkrum	open-a	G
Akkrum 3	Chevron	Akkrum	open-a	G
Akkrum 9	Chevron	Akkrum	open-a	G
Ameland-Noord	NAM	M09a	pl	G
Appelscha	NAM	Drenthe	pl	G
Boekel	TAQA	Bergen II	pl	G
Castricum Zee	Wintershall	Middelie	pl	G
De Lutte	NAM	Rossum-de Lutte	pl	G
Emshoern	NAM	Groningen	pl	G
Een	NAM	Drenthe	pl	G
Engwierum	NAM	Noord-Friesland	pl	G
Hoogenweg	NAM	Hardenberg	pl	G
Leeuwarden 101 RO	Vermilion	Leeuwarden	pl	G
Leidschendam	NAM	Rijswijk	pl	G
Nijensleek	Vermilion	Drenthe	pl	G
Oostrum	NAM	Noord-Friesland	pl	G
Oud-Beijerland Zuid	NAM	Botlek	pl	G
Roden	NAM	Drenthe	pl	G
Roswinkel	NAM	Drenthe	pl	G
Sleen	NAM	Drenthe	pl	G
Starnmeer	TAQA	Bergen II	pl	G
Weststellingwerf	Vermilion	Gorredijk	pl	G
Wimmenum-Egmond	NAM	Middelie	pl	G
Zuid-Schermer	TAQA	Bergen II	pl	G
K08-FC	NAM	K08	pl	G
K10-B	Wintershall	K10a	pl	G
K10-C	Wintershall	K10a	pl	G
K10-V	Wintershall	K10b	pl	G
K11-FA	NAM	K11	pl	G
K11-FB	NAM	K11	pl	G
K11-FC	NAM	K11	pl	G
K12-A	Gaz de France	K12	pl	G
K12-E	Gaz de France	K12	pl	G
K12-S1	Gaz de France	K12	pl	G
K13-CF	NAM	K13	open	G
K13-DE	NAM	K13	open	G
K13-FA	NAM	K13	open	G
K13-FB	NAM	K13	open	G
K15-FB	NAM	K15	pl	G
K15-FC	NAM	K15	pl	G

L07-A	Total	L07	pl	G
L10-K	Gaz de France	L10	pl	G
L10-S1	Gaz de France	L10	pl	G
L10-S3	Gaz de France	L10	pl	G
L11-A	Gaz de France	L11a	pl	G
L11-LARK	Gaz de France	L11a	pl	G
L13-FB	NAM	L13	pl	G
L13-FH	NAM	L13	pl	G
L14-S		L14	open	G
P02-NE	Clyde	P02	open	G
P02-SE	Clyde	P02	open	G
P12-C	Wintershall	P12	pl	G
P14-A	Wintershall	P14	pl	G
P15-10	TAQA	P15c	pl	G
P15-13	TAQA	P15a	pl	G
P15-15	TAQA	P15a	pl	G
Q08-A	Wintershall	Q08	pl	G
Q08-B	Wintershall	Q08	pl	G

* *Name of the accumulation is conform the name used in the production licence application.*

** *Licence stands for the licence effective at the time the accumulation was discovered, however, an accumulation can straddle more than one licence (these are not indicated in this table).*

*** *el = exploration licence, pla = production licence application, pl = production licence ; open a = open area licence applied..*

OIL ACCUMULATIONS

I. DEVELOPPED ACCUMULATIONS				
a) Producing Accumulation*	**Company**	**Licence name****	**Licence type*****	**Gas/ Oil**
Berkel	NAM	Rijswijk	pl	O&G
Rotterdam	NAM	Rijswijk	pl	O&G
F02a Hanze	Petro-Canada	F02a	pl	O
F03-FB	NAM	F03	pl	O&G
Haven	Chevron	Q01	pl	O
Helder	Chevron	Q01	pl	O
Helm	Chevron	Q01	pl	O
Hoorn	Chevron	Q01	pl	O
Horizon	Chevron	P09c	pl	O
Kotter	Wintershall	K18b	pl	O
Logger	Wintershall	L16a	pl	O
P11b De Ruyter	Petro-Canada	P11b	pl	O&G
II. UNDEVELOPPED ACCUMULATIONS				
a) start of production expected between 2006 – 2011				
Accumulation*	**Company**	**Licence name****	**Licence type*****	**Gas/ Oil**
Ottoland	Northern Petroleum	Andel III	opv	O
Papekop	Northern Petroleum	Papekop	pl	O&G
Oud-Beijerland Noord	NAM	Botlek	pl	O&G
P08-A	Grove Energy	P08a	pl	O
Q13-Amstel (FA)	Island Oil & Gas	Q13a	pl	O
b) Others				
Alblasserdam	NAM	Rijswijk	pl	O
Gieterveen	NAM	Drenthe	pl	O
Lekkerkerk/blg	NAM	Rijswijk	pl	O
Noordwijk	NAM	Rijswijk	pl	O&G
Stadskanaal	NAM	Groningen	pl	O&G
Wassenaar-Zee	NAM	Rijswijk	pl	O
Woubrugge	NAM	Rijswijk	pl	O
Zweelo	NAM	Drenthe	pl	O
B18-FA	NAM	B18a	pl	O
F03-FC	NAM	F03	pl	O
F14-A	Grove	F14	el	O
F17-FA	Wintershall	F17a	el	O

F17-FB	Wintershall	F17a	el	O
F18-FA	Grove	F18	el	O
L01-FB	Grove	L01b	el	O
P12-3	Wintershall	P12	pl	O
Q01 Northwest	Chevron	Q01	pl	O
Q13-FB		Q16b	open	O

III. PRODUCTIOM CEASED

Accumulation*	**Company**	**Licence name****	**Licence type*****	**Gas/ Oil**
De Lier	NAM	Rijswijk	pl	O&G
IJsselmonde	NAM	Rijswijk	pl	O&G
Moerkapelle	NAM	Rijswijk	pl	O
Pijnacker	NAM	Rijswijk	pl	O&G
Rijswijk	NAM	Rijswijk	pl	O&G
Schoonebeek****	NAM	Schoonebeek	pl	O&G
Wassenaar	NAM	Rijswijk	pl	O
Zoetermeer	NAM	Rijswijk	pl	O&G
Rijn****	BP	P15a	pl	O&G

* *Name of the accumulation is conform the name used in the production licence application.*

** *Licence stands for the licence effective at the time the accumulation was discovered, however, an accumulation can straddle more than one licence (these are not indicated in this table).*

*** *el = exploration licence, pla = production licence application, pl = production licence ; sl = storage licence, open a = open area licence applied.*

**** *Production temporarily closed in.*

EXPLORATION LICENCES, Netherlands Territory as at 1 January 2008

	Licence holder	Licence	km^2	Awarded*	Date of expiry	
1	**Nederlandse Aardolie Maatschappij B.V.**	Andel IV	85	10-06-06	21-03-10	
2	**Nederlandse Aardolie Maatschappij B.V.** Dyas B.V. Petro-Canada Netherlands B.V. Total E&P Nederland B.V.	Zuid-Friesland II	727	30-06-79		*
3	**Northern Petroleum Nederland B.V.** Dyas B.V. Nederlandse Aardolie Maatschappij B.V.	Andel III	217	10-06-06	21-03-10	
4	**Northern Petroleum Nederland B.V.**	Oosterwolde	127	20-04-07	31-05-12	
5	**Northern Petroleum Nederland B.V.**	Utrecht	1 152	26-04-07	6-06-12	
		Total	2 308			

* Licence revision awarded, not yet in force because of legal procedure.

PRODUCTION LICENCES, Netherlands Territory as at 1 January 2008

	Licence holder	Licence	km^2	Awarded*	Date of expiry
1	**Nederlandse Aardolie Maatschappij B.V.**	Schoonebeek	930	03-05-48	
2	**Nederlandse Aardolie Maatschappij B.V.**	Tubbergen	177	11-03-53	
3	**Nederlandse Aardolie Maatschappij B.V.**	Rijswijk	2090	03-01-55	
4	**Nederlandse Aardolie Maatschappij B.V.**	Rossum-de Lutte	46	12-05-61	
5	**Nederlandse Aardolie Maatschappij B.V.**	Groningen	2970	30-05-63	
6	**Nederlandse Aardolie Maatschappij B.V.** ExxonMobil Producing Netherlands B.V.	Noord-Friesland	1593	27-02-69	
7	**Nederlandse Aardolie Maatschappij B.V.**	Tietjerksteradeel	411	27-02-69	
8	**Nederlandse Aardolie Maatschappij B.V.**	Middelie	946	12-05-69	
9	**Nederlandse Aardolie Maatschappij B.V.**	Twenthe	276	01-04-77	
10	**Nederlandse Aardolie Maatschappij B.V.**	Hardenberg	161	22-10-90	22-10-35
11	**Nederlandse Aardolie Maatschappij B.V.**	Botlek	235	18-02-92	18-02-27
12	**Nederlandse Aardolie Maatschappij B.V.** ExxonMobil Producing Netherlands B.V.	De Marne	7	04-10-94	04-10-34
13	**Nederlandse Aardolie Maatschappij B.V.** LEPCO Oil & Gas Netherlands B.V.	Donkerbroek	70	04-04-95	04-04-10
14	**Nederlandse Aardolie Maatschappij B.V.**	Beijerland	140	14-02-97	14-02-27
15	**Nederlandse Aardolie Maatschappij B.V.**	Drenthe II	1888	18-07-07	
16	**Northern Petroleum Nederland B.V.** Essent Energy Gas Storage B.V. Gas Storage Ltd. Overseas Gas Storage Ltd.	Waalwijk	186	17-08-89	17-08-24
17	**Northern Petroleum Nederland B.V.**	Papekop	63	08-06-06	19-07-31
18	**Northern Petroleum Nederland B.V.** Nederlandse Aardolie Maatschappij B.V.	Drenthe III	389	18-07-07	

	Licence holder	Licence	km²	Awarded*	Date of expiry
19	**Northern Petroleum Nederland B.V.**	Drenthe IV	7	18-07-07	
20	**Smart Energy Solutions B.V.**	Oosterwolde	4	07-12-06	17-01-17
21	**TAQA Piek Gas B.V.** Dyas B.V. 22 Petro-Canada Netherlands B.V.	Alkmaar	12	23-12-06	
23	**TAQA Onshore B.V.** Dyas B.V. Petro-Canada Netherlands B.V.	Bergen II	221	23-12-06	
24	**TAQA Onshore B.V.** Dyas B.V. Petro-Canada Netherlands B.V.	Bergermeer	19	23-12-06	
25	**Vermilion Oil & Gas Netherlands B.V.** Lundin Netherlands B.V.	Leeuwarden	614	27-02-69	
26	**Vermilion Oil & Gas Netherlands B.V.** Lundin Netherlands B.V.	Slootdorp	162	01-05-69	
27	**Vermilion Oil & Gas Netherlands B.V.** Lundin Netherlands B.V.	Zuidwal	225	07-11-84	
28	**Vermilion Oil & Gas Netherlands B.V.** Lundin Netherlands B.V.	Oosterend	92	05-09-85	
29	**Vermilion Oil & Gas Netherlands B.V.** Lundin Netherlands B.V.	Gorredijk	629	29-07-89	29-07-24
30	**Vermilion Oil & Gas Netherlands B.V.**	Steenwijk	99	16-09-94	
		Total	14 662		

STORAGE LICENCES, Netherlands Territory as at 1 January 2008

	Licence holder	Licence	km^2	Awarded	Date of expiry
1	**Akzo Nobel Salt B.V.** Gas Transport Services B.V. Nuon	Zuidwending	1	11-04-06	11-04-36
2	**Nederlandse Aardolie Maatschappij B.V.**	Grijpskerk	27	01-04-03	
3	**Nederlandse Aardolie Maatschappij B.V.**	Norg	81	01-04-03	
4	**TAQA Piek Gas B.V.** Dyas B.V. Petro-Canada Netherlands B.V.	Alkmaar UGS	12	01-04-03	
5	**TAQA Onshore B.V.** Dyas B.V. Petro-Canada Netherlands B.V.	Bergermeer UGS	19	08-01-07	08-01-37
		Total	140		

EXPLORATION LICENCES, Netherlands Continental Shelf as at 1 January 2008

	Licence holder	Licence	km^2	Awarded	Date of expiry*
1	**Ascent Resources Netherlands B.V.**	M08a	264	22-12-07	20-08-11
2	**Ascent Resources Netherlands B.V.**	M10 & M11	250	28-07-07	10-09-11
3	**Ascent Resources Netherlands B.V.**	P04	170	11-10-06	22-11-10
4	**Chevron Expl.and Prod. Netherlands B.V.** DSM Energie B.V. Dyas B.V.	A12b & B10a	79	16-04-05	wva
5	**Chevron Expl.and Prod. Netherlands. B.V.** DSM Energie B.V. Dyas B.V.	B16a	67	11-05-87	wva
6	**Cirrus Energy Nederland B.V.** Dyas B.V.	L16b	176	02-02-06	16-03-10
7	**Cirrus Energy Nederland B.V.**	Q10	420	28-06-07	08-08-11
8	**Cirrus Energy Nederland B.V.**	Q11	162	23-03-07	03-05-11
9	**Cirrus Energy Nederland B.V.**	Q14	25	03-10-06	14-11-10
10	**Elko Energy Inc.** Oyster Energy B.V.	P01	209	28-06-07	08-08-13
11	**GDF Production Nederland B.V.** DSM Energie B.V. Faroe Petroleum (UK) Ltd. Wintershall Noordzee B.V.	D18a	58	08-06-79	wva
12	**GDF Production Nederland B.V.** Tullow Oil UK Ltd. Wintershall Noordzee B.V.	E13b	169	22-12-07	18-09-11
13	**GDF Production Nederland B.V.** Wintershall Noordzee B.V.	E16b	375	29-06-07	09-08-11
14	**Grove Energy Ltd.** GDF Production Nederland B.V. Wintershall Noordzee B.V.	F14	403	11-10-06	21-11-08

	Licence holder	Licence	km^2	Awarded	Date of expiry*
15	**Grove Energy Ltd.** GDF Production Nederland B.V. Wintershall Noordzee B.V.	F18	404	11-10-06	21-11-08
16	**Grove Energy Ltd.** GDF Production Nederland B.V. Wintershall Noordzee B.V.	L01b	339	11-10-06	21-11-08
17	**Petro-Canada Netherlands B.V.**	P08c	210	06-01-07	16-02-13
18	**Petro-Canada Netherlands B.V.**	P10b	100	25-02-05	wva
19	**RWE Dea AG**	B14	198	17-11-06	28-12-09
20	**Total E&P Nederland B.V.**	L03	406	11-10-06	21-11-10
21	**Tullow Oil UK Ltd.**	E13a	234	22-12-07	18-09-11
22	**Wintershall Noordzee B.V.** Cirrus Energy Nederland B.V. Dana Petroleum (E&P) Ltd.	A15a	67	23-02-99	wva
23	**Wintershall Noordzee B.V.** Dana Petroleum (E&P) Ltd. DSM Energie B.V. Petro-Canada Netherlands B.V.	B17a	80	02-06-87	wva
24	**Wintershall Noordzee B.V.** GDF Production Nederland B.V. Grove Energy Ltd.	F17a	386	15-07-05	25-08-09
25	**Wintershall Noordzee B.V.** Petro-Canada Netherlands B.V.	L06a	332	22-08-03	02-10-10
26	**Wintershall Noordzee B.V.** Dyas B.V.	P05	417	11-10-06	21-11-13
27	**Wintershall Noordzee B.V.** Dyas B.V.	P08b	209	06-01-07	16-02-13
28	**Wintershall Noordzee B.V.** EWE Aktiengesellschaft	Q02a	332	04-09-01	wva
		Total	6 541		

* Licence holder has filed an application for a production licence

PRODUCTION LICENCES, Netherlands Continental Shelf as at 1 January 2008

	Licence holder	Licence	km^2	Awarded*	Date of expiry
1	**ATP Oil and Gas Netherlands B.V.**	L06d	16	07-03-03	18-04-13
2	**Chevron Expl.and Prod. Netherlands B.V.** DSM Energie B.V. Dyas B.V.	A12a	195	01-07-05	11-08-25
3	**Chevron Expl.and Prod. Netherlands B.V.** DSM Energie B.V. Dyas B.V.	A12d	33	01-07-05	11-08-25
4	**Chevron Expl.and Prod. Netherlands B.V.** DSM Energie B.V. Dyas B.V.	A18a	229	01-07-05	11-08-25
5	**Chevron Expl.and Prod. Netherlands B.V.** Dyas B.V.	A18c	47	01-07-05	11-08-25
6	**Chevron Expl.and Prod. Netherlands B.V.** DSM Energie B.V. Dyas B.V.	B10c & B13a	252	01-07-05	11-08-25
7	**Chevron Expl.and Prod. Netherlands B.V.** DSM Energie B.V.	L11b	47	15-06-84	15-06-24
8	**Chevron Expl.and Prod. Netherlands B.V.** Aceiro Energy B.V. DSM Energie B.V. Dyas B.V. Wintershall Noordzee B.V.	P09a & P09b	126	16-08-93	16-08-33
9	**Chevron Expl.and Prod. Netherlands B.V.** DSM Energie B.V. Dyas B.V. Wintershall Noordzee B.V.	P09c	267	16-08-93	16-08-33
10	**Chevron Expl.and Prod. Netherlands B.V.** DSM Energie B.V. Wintershall Noordzee B.V.	Q01	416	11-07-80	11-07-20
11	**Chevron Expl.and Prod. Netherlands B.V.** DSM Energie B.V. Dyas B.V.	Q02c	32	14-07-94	14-07-34

	Licence holder	Licence	km^2	Awarded*	Date of expiry
12	**Cirrus Energy Nederland B.V.**	M01a	213	28-06-07	08-08-22
13	**Cirrus Energy Nederland B.V.** DSM Energie B.V.	M07	409	22-03-01	22-03-21
14	**EDP F3 B.V.**	B18a	40	10-10-85	10-10-25
15	**EDP F3 B.V.**	F03a	62	13-12-07	09-09-22
16	**GDF Production Nederland B.V.** Faroe Petroleum (UK) Ltd. Wintershall Noordzee B.V.	D15	247	06-09-96	06-09-21
17	**GDF Production Nederland B.V.** Lundin Netherlands B.V. Total E&P Nederland B.V.	E16a	29	29-06-07	09-08-21
18	**GDF Production Nederland B.V.** Lundin Netherlands B.V. Total E&P Nederland B.V.	E17a & E17b	114	28-06-07	08-08-21
19	**GDF Production Nederland B.V.** DSM Energie B.V. Nederlandse Aardolie Maatschappij B.V.	G14 & G17b	441	15-12-06	14-12-19
20	**GDF Production Nederland B.V.**	G16a	224	06-01-92	06-01-32
21	**GDF Production Nederland B.V.**	G16b	5	11-10-03	06-01-32
22	**GDF Production Nederland B.V.**	G17a	237	19-07-06	14-12-19
23	**GDF Production Nederland B.V.** Wintershall Noordzee B.V.	G17c & G17d	130	10-11-00	10-11-25
24	**GDF Production Nederland B.V.**	K02b	110	20-01-04	24-08-23
25	**GDF Production Nederland B.V.**	K03a	83	24-08-98	24-08-23
26	**GDF Production Nederland B.V.**	K03c	32	26-11-05	06-01-21
27	**GDF Production Nederland B.V.** EWE Aktiengesellschaft HPI Netherlands Ltd. Rosewood Exploration Ltd.	K09a & K09b	211	11-08-86	11-08-26

	Licence holder	Licence	km^2	Awarded*	Date of expiry
28	**GDF Production Nederland B.V.** EWE Aktiengesellschaft HPI Netherlands Ltd. Rosewood Exploration Ltd.	K09c	199	18-12-87	18-12-27
29	**GDF Production Nederland B.V.** EWE Aktiengesellschaft HPI Netherlands Ltd. Production North Sea Netherlands Ltd. Rosewood Exploration Ltd.	K12	411	18-02-83	18-02-23
30	**GDF Production Nederland B.V.** EWE Aktiengesellschaft GDF Participation Nederland B.V. HPI Netherlands Ltd. Rosewood Exploration Ltd.	L10 & L11a	596	13-01-71	13-01-11
31	**GDF Production Nederland B.V.** HPI Netherlands Ltd. Rosewood Exploration Ltd.	N07b	174	23-12-03	10-03-34
32	**Grove Energy Ltd.**	P08a	26	21-10-06	01-12-21
33	**Island Netherlands B.V.** Aceiro Energy B.V. EnCore Oil Nederland B.V.	Q13a	30	28-11-06	28-12-21
34	**Nederlandse Aardolie Maatschappij B.V.** DSM Energie B.V.	F03b	335	13-12-07	09-09-22
35	**Nederlandse Aardolie Maatschappij B.V.**	F17c	18	04-12-96	04-12-11
36	**Nederlandse Aardolie Maatschappij B.V.**	K07	408	08-07-81	08-07-21
37	**Nederlandse Aardolie Maatschappij B.V.** Burlington Resources Ned.Petroleum B.V. Oranje-Nassau Energie B.V. Wintershall Noordzee B.V.	K08 & K11	820	26-10-77	26-10-17
38	**Nederlandse Aardolie Maatschappij B.V.**	K14	412	16-01-75	16-01-15
39	**Nederlandse Aardolie Maatschappij B.V.**	K15	412	14-10-77	14-10-17
40	**Nederlandse Aardolie Maatschappij B.V.**	K17	414	19-01-89	19-01-29

	Licence holder	Licence	km^2	Awarded*	Date of expiry
41	**Nederlandse Aardolie Maatschappij B.V.** Wintershall Noordzee B.V.	K18a	36	15-03-07	09-05-23
42	**Nederlandse Aardolie Maatschappij B.V.**	L02	406	15-03-91	15-03-31
43	**Nederlandse Aardolie Maatschappij B.V.**	L04c	12	07-01-94	07-01-34
44	**Nederlandse Aardolie Maatschappij B.V.**	L05a	163	15-03-91	15-03-31
45	**Nederlandse Aardolie Maatschappij B.V.**	L09a	208	09-05-95	09-05-35
46	**Nederlandse Aardolie Maatschappij B.V.**	L09b	201	09-05-95	09-05-35
47	**Nederlandse Aardolie Maatschappij B.V.** Burlington Resources Ned.Petroleum B.V. Oranje-Nassau Energie B.V. Wintershall Noordzee B.V.	L12a	344	14-03-90	14-03-30
48	**Nederlandse Aardolie Maatschappij B.V.** Burlington Resources Ned.Petroleum B.V. Wintershall Noordzee B.V.	L12b & L15b	184	12-03-90	12-03-30
49	**Nederlandse Aardolie Maatschappij B.V.** Burlington Resources Ned.Petroleum B.V. Oranje-Nassau Energie B.V. Wintershall Noordzee B.V.	L13	413	26-10-77	26-10-17
50	**Nederlandse Aardolie Maatschappij B.V.**	L15c	4	07-09-90	07-09-30
51	**Nederlandse Aardolie Maatschappij B.V.** ExxonMobil Producing Netherlands B.V.	M09a	213	10-04-90	10-04-30
52	**Nederlandse Aardolie Maatschappij B.V.**	N07a	141	23-12-03	10-03-34
53	**Nederlandse Aardolie Maatschappij B.V.** Lundin Netherlands B.V. Total E&P Nederland B.V.	Q16a	85	29-12-92	29-12-32
54	**Petro-Canada Netherlands B.V.** DSM Energie B.V. Dyas B.V. Noble Energy (Europe) Ltd. Oranje-Nassau Energie B.V.	F02a	307	24-08-82	24-08-22
55	**Petro-Canada Netherlands B.V.**	P10a	5	31-05-05	11-07-20

	Licence holder	Licence	km^2	Awarded*	Date of expiry
56	**Petro-Canada Netherlands B.V.**	P11b	210	03-04-04	14-05-19
57	**TAQA Offshore B.V.** DSM Energie B.V. Dyas B.V. Oranje-Nassau Energie B.V. Petro-Canada Netherlands B.V. Van Dyke Netherlands B.V. Wintershall Noordzee B.V.	P15a & P15b	220	12-07-84	12-07-24
58	**TAQA Offshore B.V.** DSM Energie B.V. Dyas B.V. Oranje-Nassau Energie B.V. Petro-Canada Netherlands B.V. Wintershall Noordzee B.V.	P15c	203	07-05-92	07-05-32
59	**TAQA Offshore B.V.**	P18a	105	30-04-92	30-04-32
60	**TAQA Offshore B.V.** Dyas B.V. Petro-Canada Netherlands B.V.	P18c	6	02-06-92	02-06-32
61	**Total E&P Nederland B.V.** DSM Energie B.V. Lundin Netherlands B.V.	F06a	8	09-09-82	09-09-22
62	**Total E&P Nederland B.V.** Dyas B.V. First Oil Expro Ltd. Lundin Netherlands B.V.	F15a	233	06-05-91	06-05-31
63	**Total E&P Nederland B.V.** Dyas B.V. First Oil Expro Ltd. Lundin Netherlands B.V.	F15d	4	15-06-92	15-06-32
64	**Total E&P Nederland B.V.** Nederlandse Aardolie Maatschappij B.V.	J03a	72	12-01-96	12-01-36
65	**Total E&P Nederland B.V.** Nederlandse Aardolie Maatschappij B.V.	K01a	83	10-02-97	10-02-22
66	**Total E&P Nederland B.V.** Goal Petroleum (Netherlands) B.V	K02c	46	21-01-04	07-11-21

	Licence holder	Licence	km²	Awarded*	Date of expiry
	Rosewood Exploration Ltd.				
67	**Total E&P Nederland B.V.** Lundin Netherlands B.V.	K03b	7	30-01-01	30-01-21
68	**Total E&P Nederland B.V.** Lundin Netherlands B.V.	K03d	26	01-04-99	01-04-24
69	**Total E&P Nederland B.V.**	K04a	307	29-12-93	29-12-33
70	**Total E&P Nederland B.V.** Dyas B.V. Goal Petroleum (Netherlands) B.V Lundin Netherlands B.V.	K04b & K05a	305	01-06-93	01-06-33
71	**Total E&P Nederland B.V.** Goal Petroleum (Netherlands) B.V Rosewood Exploration Ltd.	K05b	204	07-11-96	07-11-21
72	**Total E&P Nederland B.V.** Lundin Netherlands B.V.	K06 & L07	817	20-06-75	20-06-15
73	**Total E&P Nederland B.V.** Van Dyke Netherlands B.V.	L01a	31	12-09-96	12-09-16
74	**Total E&P Nederland B.V.**	L01d	7	13-11-96	13-11-16
75	**Total E&P Nederland B.V.** Lundin Netherlands B.V.	L01e	12	13-11-96	13-11-11
76	**Total E&P Nederland B.V.** Lundin Netherlands B.V.	L01f	17	14-01-03	14-01-33
77	**Total E&P Nederland B.V.** Lundin Netherlands B.V.	L04a	313	30-12-81	30-12-21
78	**Venture Production Nederland B.V.** Dyas B.V. Total E&P Nederland B.V.	J03b & J06	125	06-11-92	06-11-32
79	**Wintershall Noordzee B.V.** GDF Participation Nederland B.V.	D12a	214	06-09-96	06-09-21
80	**Wintershall Noordzee B.V.** Burlington Resources Ned.Petroleum B.V.	E15a	39	04-10-02	21-10-32

	Licence holder	Licence	km^2	Awarded*	Date of expiry
	Dana Petroleum (E&P) Ltd. GDF Production Nederland B.V. Goal Petroleum (Netherlands) B.V				
81	**Wintershall Noordzee B.V.** Burlington Resources Ned.Petroleum B.V. Dana Petroleum (E&P) Ltd. Goal Petroleum (Netherlands) B.V	E18a	212	04-10-02	21-10-32
82	**Wintershall Noordzee B.V.** Burlington Resources Ned.Petroleum B.V. Dana Petroleum (E&P) Ltd. GDF Production Nederland B.V. Goal Petroleum (Netherlands) B.V	F13a	4	04-10-02	21-10-32
83	**Wintershall Noordzee B.V.** GDF Production Nederland B.V. Grove Energy Ltd.	F16	404	04-10-02	21-10-32
84	**Wintershall Noordzee B.V.**	K02a	28	20-01-04	24-08-23
85	**Wintershall Noordzee B.V.** Petro-Canada Netherlands B.V.	K10a	195	26-01-83	26-01-23
86	**Wintershall Noordzee B.V.** Petro-Canada Netherlands B.V.	K10b & K10c	94	22-04-93	22-04-33
87	**Wintershall Noordzee B.V.** Dyas B.V. Nederlandse Aardolie Maatschappij B.V. Petro-Canada Netherlands B.V.	K18b	155	15-03-07	09-05-23
88	**Wintershall Noordzee B.V.** Petro-Canada Netherlands B.V.	L05b	237	28-06-03	09-08-38
89	**Wintershall Noordzee B.V.** Petro-Canada Netherlands B.V.	L05c	8	03-12-96	03-12-16
90	**Wintershall Noordzee B.V.** Petro-Canada Netherlands B.V.	L06b	60	01-07-03	11-08-38
91	**Wintershall Noordzee B.V.** Cirrus Energy Nederland B.V. EWE Aktiengesellschaft	L08a	213	18-08-88	18-08-28
92	**Wintershall Noordzee B.V.**	L08b	181	17-05-93	17-05-33

	Licence holder	Licence	km²	Awarded*	Date of expiry
	Cirrus Energy Nederland B.V. Petro-Canada Netherlands B.V.				
93	**Wintershall Noordzee B.V.** Dyas B.V. Nederlandse Aardolie Maatschappij B.V. Petro-Canada Netherlands B.V.	L16a	238	12-06-84	12-06-24
94	**Wintershall Noordzee B.V.** Dyas B.V.	P06	417	14-04-82	14-04-22
95	**Wintershall Noordzee B.V.**	P11a	2	23-06-92	23-06-32
96	**Wintershall Noordzee B.V.** Dyas B.V. Northern Petroleum Nederland B.V.	P12	421	08-03-90	08-03-30
97	**Wintershall Noordzee B.V.** Petro-Canada Netherlands B.V.	P14a	316	23-06-92	23-06-32
98	**Wintershall Noordzee B.V.** Burlington Resources Ned.Petroleum B.V. Dyas B.V.	Q04	417	02-12-99	02-12-19
99	**Wintershall Noordzee B.V.** Burlington Resources Ned.Petroleum B.V. Dyas B.V.	Q05c, Q05d, Q05e	146	15-02-01	15-02-21
100	**Wintershall Noordzee B.V.** Dyas B.V.	Q08	247	15-09-86	15-09-26
		Total	18 833		

LIST OF BLOCKS, Netherlands Continental Shelf as at 1 January 2008

Block/ Part of block	Area not in licence (km^2)	Licence holder	Licence (km^2)	
			Exploration	Production
A04	0			
A05	91			
A07	47			
A08	382			
A09	141			
A10	129			
A11	392			
A12a		Chevron		195
A12b		Chevron	31	
A12c	130			
A12d		Chevron		33
A13	211			
A14	393			
A15a		Wintershall	67	
A15b	326			
A16	293			
A17	395			
A18a		Chevron		229
A18b	119			
A18c		Chevron		47
B10a		Chevron	48	
B10b	85			
B10c		Chevron		46
B13a		Chevron		206
B13b	187			
B14		RWE	198	
B16a		Chevron	67	
B16b	327			
B17a		Wintershall	80	
B17b	315			
B18a		EDP		40
B18b	160			
D03	2			
D06	60			
D09	149			
D12a		Wintershall		214
D12b	41			
D15		GDF		247
D18a		GDF	58	
D18b	139			

Block/ Part of block	Area not in licence (km^2)	Licence holder	Licence (km^2)	
			Exploration	Production
E01	373			
E02	396			
E03	396			
E04	398			
E05	398			
E06	398			
E07	400			
E08	400			
E09	400			
E10	401			
E11	401			
E12	401			
E13a		Tullow	234	
E13b		GDF	169	
E14	403			
E15a		Wintershall		39
E15b	364			
E16a		GDF		29
E16b		GDF	375	
E17a		GDF		87
E17b		GDF		27
E17c	290			
E18a		Wintershall		212
E18b	192			
F01	396			
F02a		Petro-Canada		307
F02b	89			
F03a		EDP		62
F03b		NAM		335
F04	398			
F05	398			
F06a		Total		8
F06b	390			
F07	400			
F08	400			
F09	400			
F10	401			
F11	401			
F12	401			
F13a		Wintershall		4
F13b	399			
F14		Grove	403	
F15a		Total		233
F15b	73			

Block/ Part of block	Area not in licence (km^2)	Licence holder	Licence (km^2)	
			Exploration	Production
F15c	93			
F15d		Total		4
F16		Wintershall		404
F17a		Wintershall	386	
F17c		NAM		18
F18		Grove	404	
G07	120			
G10	397			
G11	174			
G13	403			
G14		GDF		403
G15	226			
G16a		GDF		224
G16b		GDF		5
G16c	176			
G17a		GDF		237
G17b		GDF		38
G17c		GDF		34
G17d		GDF		96
G18	405			
H13	1			
H16	72			
J03a		Total		72
J03b		Venture		42
J03c	30			
J06		Venture		83
J09	18			
K01a		Total		83
K01b	324			
K02a		Wintershall		28
K02b		GDF		110
K02c		Total		46
K02d	222			
K03a		GDF		83
K03b		Total		7
K03c		GDF		32
K03d		Total		26
K03e	258			
K04a		Total		307
K04b		Total		101
K05a		Total		204

Block/ Part of block	Area not in licence (km^2)	Licence holder	Licence (km^2)	
			Exploration	Production
K05b		Total		204
K06		Total		408
K07		NAM		408
K08		NAM		409
K09a		GDF		150
K09b		GDF		61
K09c		GDF		199
K10a		Wintershall		195
K10b		Wintershall		68
K10c		Wintershall		26
K10d	86			
K11		NAM		411
K12		GDF		411
K13	324			
K14		NAM		412
K15		NAM		412
K16	267			
K17		NAM		414
K18a		NAM		36
K18b		Wintershall		155
K18c	223			
L01a		Total		31
L01b		Grove	339	
L01d		Total		7
L01e		Total		12
L01f		Total		17
L02		NAM		406
L03		Total	406	
L04a		Total		313
L04b	82			
L04c		NAM		12
L05a		NAM		163
L05b		Wintershall		237
L05c		Wintershall		8
L06a		Wintershall	332	
L06b		Wintershall		60
L06d		ATP		16
L07		Total		409
L08a		Wintershall		213
L08b		Wintershall		181
L08c	16			
L09a		NAM		208
L09b		NAM		201
L10		GDF		411

Block/ Part of block	Area not in licence (km^2)	Licence holder	Licence (km^2)	
			Exploration	Production
L11a		GDF		185
L11b		Chevron		47
L11c	179			
L12a		NAM		344
L12b		NAM		67
L13		NAM		413
L14	413			
L15a	81			
L15b		NAM		117
L15c		NAM		4
L16a		Wintershall		238
L16b		Cirrus	176	
L17	394			
L18	14			
M01a		Cirrus		213
M01b	193			
M02	406			
M03	406			
M04	408			
M05	408			
M06	408			
M07		Cirrus		409
M08a		Ascent	264	
M08b	142			
M09a		NAM		213
M09b	158			
M10		Ascent	222	
M11		Ascent	28	
N01	217			
N04	381			
N05	14			
N07a		NAM		141
N07b		GDF		174
N08	35			
O12	2			
O15	142			
O17	3			
O18	367			
P01		Elko	209	
P02	416			
P03	416			

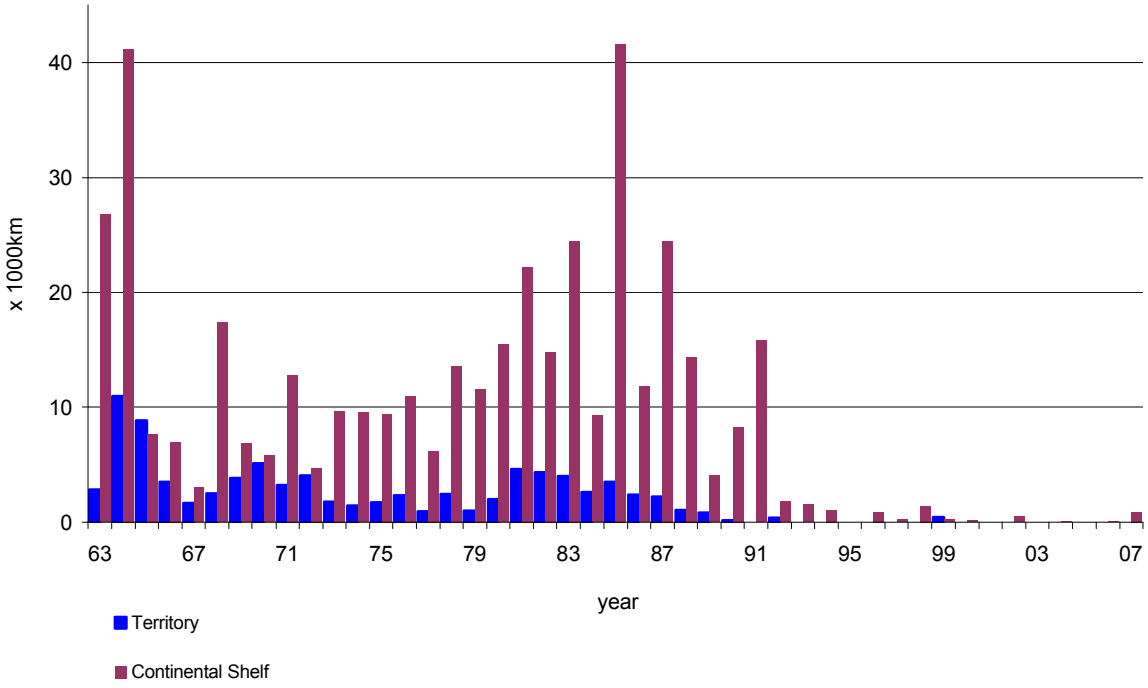
Block/ Part of block	Area not in licence (km^2)	Licence holder	Licence (km^2)	
			Exploration	Production
P04		Ascent	170	
P05		Wintershall	417	
P06		Wintershall		417
P07	222			
P08a		Grove		26
P08b		Wintershall	209	
P08c		Petro-Canada	210	
P09a		Chevron		59
P09b		Chevron		67
P09c		Chevron		267
P09d	26			
P10a		Petro-Canada		5
P10b		Petro-Canada	100	
P10c	249			
P11a		Wintershall		2
P11b		Petro-Canada		210
P11c	208			
P12		Wintershall		421
P13	422			
P14a		Wintershall		316
P14b	106			
P15a		TAQA		203
P15b		TAQA		17
P15c		TAQA		203
P16	423			
P17	424			
P18a		TAQA		105
P18b	313			
P18c		TAQA		6
Q01		Chevron		416
Q02a		Wintershall	332	
Q02c		Chevron		32
Q04		Wintershall		417
Q05a	0			
Q05b	104			
Q05c		Wintershall		98
Q05d		Wintershall		44
Q05e		Wintershall		4
Q05f	48			
Q05i	0			
Q07	419			
Q08		Wintershall		247
Q10		Cirrus	420	
Q11		Cirrus	162	

Block/ Part of block	Area not in licence (km^2)	Licence holder	Licence (km^2)	
			Exploration	Production
Q13a		IOG		30
Q13b	369			
Q14		Cirrus	25	
Q16a		NAM		85
Q16b	80			
R02	103			
R03	425			
R05	7			
R06	311			
R09	28			
S01	425			
S02	425			
S03	340			
S04	427			
S05	378			
S06	45			
S07	360			
S08	129			
S10	36			
S11	0			
T01	1			
Total	31 444		6 541	18 833

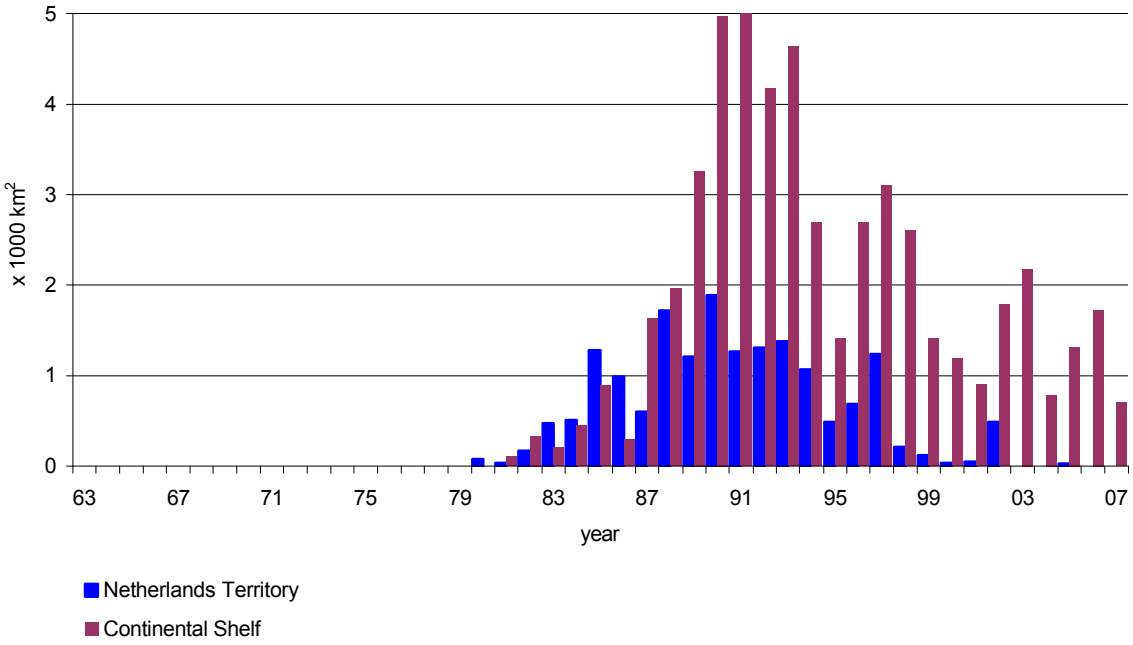
SEISMIC SURVEYS

Year	Netherlands Territory		Continental Shelf	
	2 D line km	3 D area km^2	2 D line km	3 D area km^2
63	2 860	-	26 778	-
64	10 992	-	41 136	-
1965	8 885	-	7 707	-
66	3 510	-	6 939	-
67	1 673	-	3 034	-
68	2 541	-	17 349	-
69	3 857	-	6 846	-
1970	5 113	-	5 780	-
71	3 252	-	12 849	-
72	4 034	-	4 716	-
73	1 783	-	9 708	-
74	1 422	-	9 536	-
1975	1 706	-	9 413	-
76	2 318	-	10 963	-
77	948	-	6 184	-
78	2 466	-	13 568	-
79	986	-	11 575	-
1980	2 017	76	15 497	-
81	4 627	37	22 192	110
82	4 363	170	14 791	337
83	3 980	478	24 498	208
84	2 523	512	9 314	455
1985	3 480	1 282	41 593	892
86	2 386	993	11 795	296
87	2 243	601	24 592	1 637
88	1 103	1 726	14 356	1 958
89	828	1 206	4 033	3 264
1990	160	1 889	8 288	4 972
91	-	1 268	15 853	5 002
92	388	1 307	1 799	4 173
93	-	1 382	1 591	4 637
94	-	1 074	1 089	2 694
1995	-	491	-	1 408
96	-	689	892	2 686
97	-	1 236	260	3 101
98	-	214	1 383	2 603
99	43	124	181	1 409
2000	-	33	160	1 189
01	5	47	-	898
02	-	-	495	1 778
03	-	-	-	2 185
04	-	-	34	790
2005	-	32	-	1 314
06	-	-	53	1 732
07	-	-	886	700

2D Seismic surveys 1963 – 2007



3D Seismic surveys 1963 – 2007



OIL AND GAS WELLS, number of wells Netherlands Territory

Year	Exploration					Appraisal					Production
	O	G	G&O	D	å	O	G	G&O	D	å	å
t/m 1967	2	26	-	61	89	-	8	-	4	12	278
68	-	3	-	4	7	-	2	-	2	4	23
69	-	2	-	11	13	-	2	-	1	3	27
1970	-	3	-	11	14	-	1	-	-	1	25
71	-	3	-	9	12	-	3	-	1	4	55
72	-	3	-	7	10	-	-	-	2	2	64
73	-	2	-	2	4	-	1	-	-	1	46
74	-	-	-	2	2	-	4	-	1	5	50
1975	-	3	-	5	8	-	-	-	2	2	48
76	-	2	-	5	7	-	12	-	-	12	37
77	-	3	-	4	7	2	10	-	1	13	14
78	-	2	-	4	6	-	20	-	-	20	36
79	-	4	-	2	6	2	11	-	2	15	42
1980	1	2	-	2	5	2	16	-	4	22	33
81	2	2	-	11	15	5	7	-	2	14	23
82	-	5	-	9	14	-	8	-	2	10	14
83	-	4	-	4	8	1	13	-	1	15	8
84	1	6	-	7	14	4	8	-	4	16	32
1985	1	5	-	9	15	2	10	-	-	12	34
86	-	2	-	10	12	-	3	-	-	3	35
87	-	1	2	6	9	-	1	-	-	1	22
88	-	5	1	2	8	1	4	-	-	5	17
89	-	2	1	6	9	2	5	-	-	7	11
1990	-	3	1	4	8	-	3	1	1	5	17
91	-	7	1	3	11	-	3	-	1	4	11
92	-	5	2	4	11	-	1	-	-	1	12
93	-	8	-	2	10	-	-	-	-	-	11
94	-	4	-	1	5	2	2	-	1	5	4
1995	-	3	-	10	13	-	3	-	-	3	14
96	-	2	-	3	5	2	3	-	2	7	30
97	-	8	-	3	11	-	6	-	-	6	12
98	-	7	-	4	11	-	7	-	-	7	8
99	-	2	-	3	5	-	3	-	-	3	7
2000	-	2	-	-	2	-	2	-	-	2	5
01	-	2	-	1	3	-	-	-	-	-	6
02	-	1	-	3	4	-	1	-	-	1	5
03	-	1	-	2	3	-	-	-	-	-	7
04	-	-	-	-	-	-	1	-	-	1	1
2005	-	2	-	1	3	-	-	-	-	-	3
06	--	3	-	1	4	-	1	-	-	1	6
07	-	2			2		3		2	5	9
Total:	7	152	8	238	405	25	188	1	36	250	1 142

D = dry
G = gas
G&O = gas and oil

O = oil
Σ = total

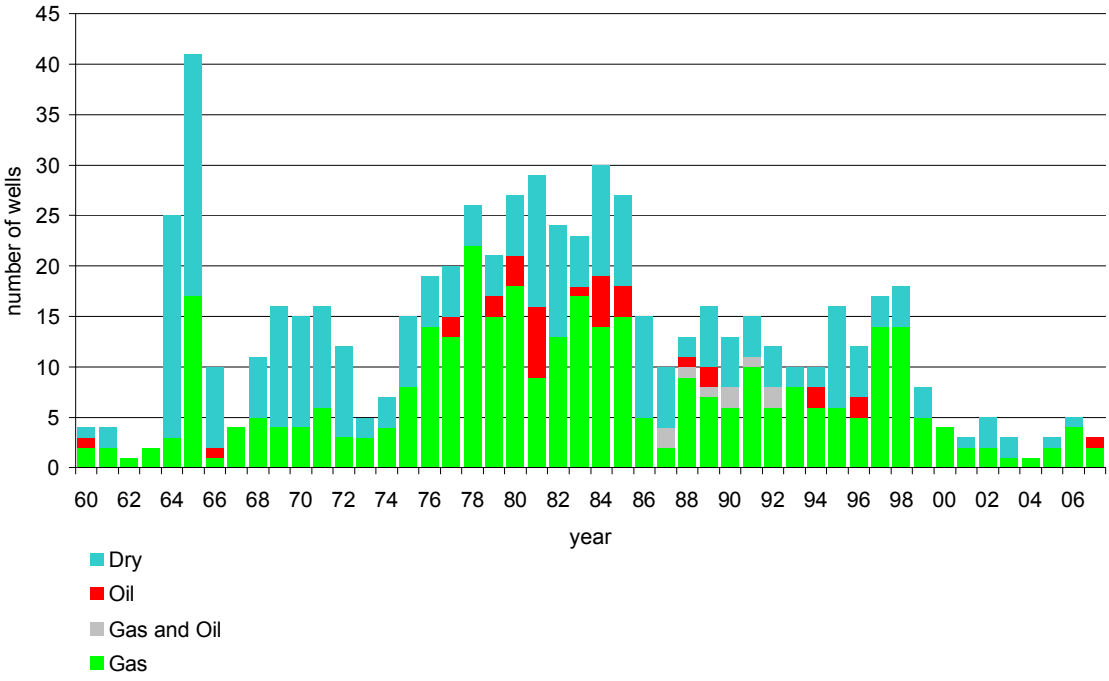
OIL AND GAS WELLS, number of wells Netherlands Continental Shelf

Year	Exploration					Appraisal					Production
	O	G	G&O	D	å	O	G	G&O	D	å	å
t/m1967		-	-	3	3	-	-	-	-	-	-
68	-	2	-	5	7	-	-	-	-	-	-
69	-	2	-	13	15	-	-	-	1	1	-
1970	-	6	-	7	14	-	-	-	-	-	-
71	1	3	-	15	18	1	-	-	-	1	-
72	-	10	-	6	16	-	-	-	1	1	-
73	-	4	-	13	17	-	1	-	1	2	2
74	-	7	-	8	16	-	1	-	-	1	9
1975	1	6	-	9	15	-	1	-	2	3	12
76	-	5	-	11	16	1	2	-	-	3	14
77	-	3	-	20	23	1	3	-	1	5	18
78	-	4	-	14	18	1	2	-	2	5	14
79	-	7	-	9	17	-	3	-	1	4	9
1980	1	6	-	16	26	2	2	-	1	5	7
81	4	3	-	11	15	6	5	-	6	17	5
82	1	6	-	22	35	1	6	-	3	10	20
83	7	3	-	27	31	1	2	-	9	12	15
84	1	6	-	19	26	3	1	-	3	7	24
1985	1	9	-	24	36	2	4	-	1	7	35
86	3	9	-	14	25	2	2	-	1	5	15
87	2	9	1	12	22	1	2	1	1	5	13
88	-	12	1	8	21	-	4	-	1	5	21
89	-	10	-	13	23	-	4	-	1	5	17
1990	-	8	-	21	29	-	6	-	-	6	14
91	-	15	-	26	43	-	2	-	-	2	18
92	2	8	-	11	19	-	-	-	1	1	15
93	-	3	-	10	13	-	1	-	-	1	17
94	-	4	-	5	10	1	1	-	-	2	10
1995	1	2	-	3	5	-	1	1	1	3	16
96	-	10	1	12	24	-	5	-	-	5	6
97	1	7	-	13	21	1	8	-	1	10	13
98	1	9	-	8	17	1	1	-	1	3	13
99	-	7	-	5	12	-	1	-	1	2	6
2000	-	4	-	2	6	-	6	-	-	6	9
01	-	9	-	6	15	-	2	-	2	4	12
02	-	6	-	10	16	-	1	-	2	3	13
03	-	6		1	7	-	3	-	1	4	13
04	-	7	-	4	11	-	2	-	-	2	6
2005	-	3	-	1	4	-	1	-	-	1	8
06		3		6	9	1	2			3	16
07	-	3	-	2	5	-	2	-	-	2	12
	-										
Total:	27	246	3	445	721	26	90	2	46	164	467

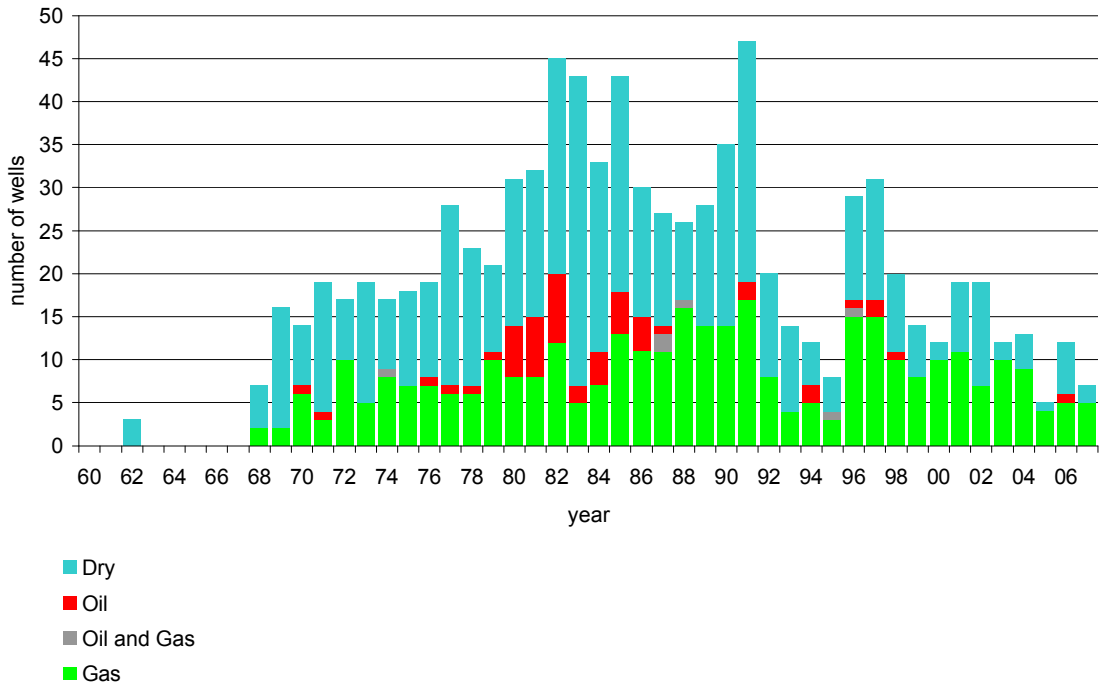
D = dry
G = gas
G&O = gas and oil
O = oil
∑ = total

NUMBER OF WELLS (GRAPHS), Netherlands Territory and Continental Shelf

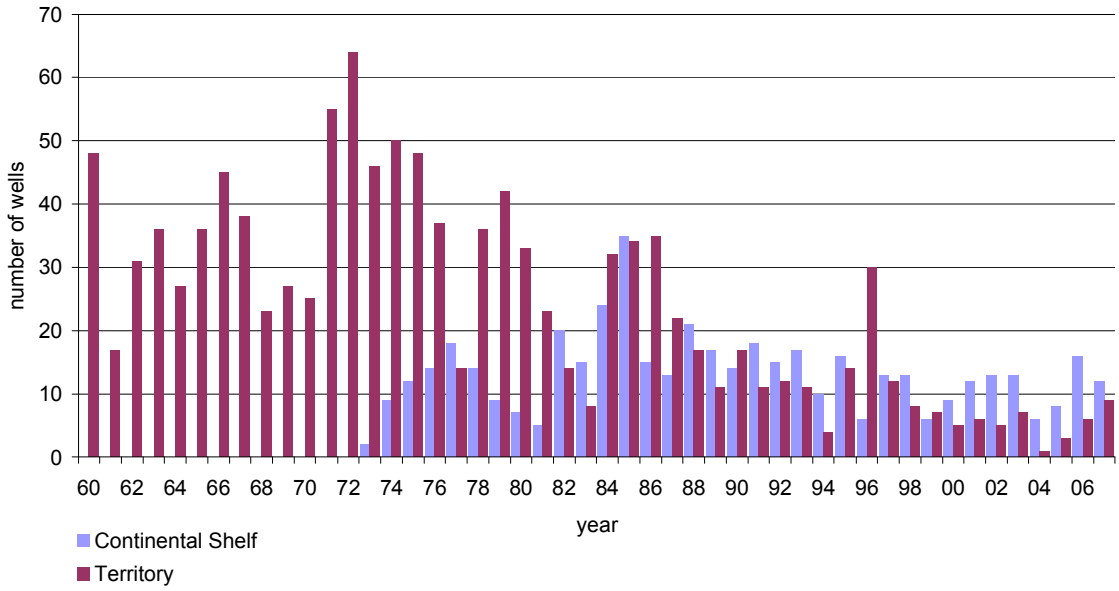
Exploration and appraisal wells, Netherlands Territory 1960 – 2007



Exploration and appraisal wells, Continental Shelf 1960 – 2007



Production wells 1960 – 2007



PLATFORMS, Netherlands Continental Shelf as at 1 January 2008

Platform	Operator	Year of installation	Number of legs	G* / O*	Function
K13-A	Wintershall	1974	8	G	production/compression
K13-A	Wintershall	1974	4	G	wellhead
L10-A	Gaz de France	1974	8	G	production
L10-A	Gaz de France	1974	10	G	wellhead/compression
L10-A	Gaz de France	1974	4	G	riser
L10-B	Gaz de France	1974	4	G	satellite
L10-C	Gaz de France	1974	4	G	satellite
K14-FA-1	NAM	1975	10	G	integrated
L7-B	Total	1975	4	G	integrated
K15-FA-1	NAM	1977	10	G	integrated
K8-FA-1	NAM	1977	10	G	integrated
K8-FA-2	NAM	1977	4	G	satellite
L10-D	Gaz de France	1977	4	G	satellite
L10-E	Gaz de France	1977	4	G	satellite
L7-C(C)	Total	1977	4	G	wellhead
L7-C(P)	Total	1977	8	G	production
L7-C(Q)	Total	1977	4	--	accommodation
K15-FB-1	NAM	1978	10	G	integrated
L7-BB	Total	1978	4	G	wellhead
K7-FA-1	NAM	1980	4	G	wellhead
L10-BB	Gaz de France	1980	3	G	wellhead
L10-F	Gaz de France	1980	4	G	satellite
K10-B	Wintershall	1981	6	G	production
K10-B	Wintershall	1981	6	G	wellhead
L4-A(PA)	Total	1981	8	G	integrated
Q1-HELM	Unocal	1981	6	O	production
Q1-HELM	Unocal	1981	4	O	wellhead
K7-FA-1	NAM	1982	6	G	production
P6-A	Wintershall	1982	8	G	integrated
Q1-HELDER-A	Unocal	1982	6	O	production
Q1-HELDER-A	Unocal	1982	4	O	wellhead
K12-A	Gaz de France	1983	4	--	jacket
L7-C(PK)	Total	1983	4	G	compression
Q1-HOORN	Unocal	1983	6	O	production
Q1-HOORN	Unocal	1983	4	O	wellhead
K12-C	Gaz de France	1984	4	G	satellite
K18-KOTTER	Wintershall	1984	8	O	production
K18-KOTTER	Wintershall	1984	6	O	wellhead
K8-FA-3	NAM	1984	6	G	satellite
L10-EE	Gaz de France	1984	3	G	wellhead
L10-G	Gaz de France	1984	4	G	satellite
L4-B	Total	1984	4	G	wellhead

Platform	Operator	Year of installation	Number of legs	G* / O*	Function
L7-A	Total	1984	4	G	satellite
AWG-1	NAM	1985	3	G	riser
AWG-1P	NAM	1985	6	G	production
AWG-1W	NAM	1985	4	G	wellhead
K12-D	Gaz de France	1985	4	G	satellite
K14-FA-1C	NAM	1985	8	G	compression
L16-LOGGER	Wintershall	1985	4	O	production
L16-LOGGER	Wintershall	1985	4	O	wellhead
P15-RIJN-A	BP	1985	4	O	wellhead
P15-RIJN-C	BP	1985	6	O	production
P6-B	Wintershall	1985	4	G	satellite
K12-E	Gaz de France	1986	4	G	satellite
L11b-A	Unocal	1986	4	G	integrated
L13-FC-1	NAM	1986	4	G	wellhead
L13-FC-1	NAM	1986	6	G	production
Q8-A	Wintershall	1986	3	G	wellhead
K12-BD	Gaz de France	1987	4	G	wellhead
K12-BP	Gaz de France	1987	8	G	production
K9ab-A	Gaz de France	1987	4	G	integrated
K9c-A	Gaz de France	1987	4	G	integrated
L10-AC	Gaz de France	1987	4	G	compression
Zuidwal	Total	1987	8	G	wellhead
K12-CC	Gaz de France	1988	4	G	compression
L10-L	Gaz de France	1988	4	G	satellite
L10-S-1	Gaz de France	1988	-	G	subsea completion
L13-FD-1	NAM	1988	4	G	satellite
L7-N	Total	1988	4	G	satellite
L8-A	Wintershall	1988	4	G	satellite
L8-G	Wintershall	1988	6	G	integrated
L8-H	Wintershall	1988	4	G	satellite
K15-FC-1	NAM	1989	4	G	satellite
L13-FE-1	NAM	1989	4	G	satellite
L7-H	Total	1989	4	G	satellite
Q1-HAVEN-A	Unocal	1989	1	O	satellite
K15-FG-1	NAM	1990	4	G	satellite
L11a-A	Gaz de France	1990	4	--	jacket
P12-SW	Wintershall	1990	4	G	satellite
AME-2	NAM	1991	4	G	wellhead
AME-2	NAM	1991	4	G	production
K12-S1	Gaz de France	1991	-	G	subsea completion
K6-D	Total	1991	4	G	wellhead
K6-P	Total	1991	4	G	production
L2-FA-1	NAM	1991	6	G	integrated
F15-A	Total	1992	6	G	integrated
F3-FB-1P	NAM	1992	3+GBS	G+O	integrated

Platform	Operator	Year of installation	Number of legs	G* / O*	Function
J6-A	ENI	1992	6	G	integrated
K6-C	Total	1992	4	G	wellhead/riser
K6-DN	Total	1992	4	G	satellite
L5-FA-1	NAM	1992	6	G	integrated
P15-10S	BP	1992	-	G	subsea completion
P15-12S	BP	1992	-	G	subsea completion
P15-14S	BP	1992	-	G	subsea completion
F3-FB-AP	NAM	1993	3	G+O	accommodation
F3-OLT	NAM	1993	1	O	offshore loading tower
K10-V	Wintershall	1993	4	G	satellite
K6-N	Total	1993	4	G	satellite
L15-FA-1	NAM	1993	6	G	integrated
P14-A	Wintershall	1993	4	G	satellite
P15-D	BP	1993	6	G	production
P15-E	BP	1993	4	G	satellite
P15-F	BP	1993	4	G	satellite
P15-G	BP	1993	4	G	satellite
P18-A	BP	1993	4	G	satellite
P9-Horizon	Unocal	1993	4	O	integrated
P9-Seafox-1	Unocal	1993	4	O	accommodation
K5-A	Total	1994	4	G	wellhead
K5-D	Total	1994	4	G	satellite
K5-P	Total	1994	4	G	production
L8-P	Wintershall	1994	4	G	satellite
Q8-B	Wintershall	1994	4	G	satellite
K11-B	Gaz de France	1995	4	G	satellite
K5-B	Total	1995	4	G	satellite
L13-FH-1	NAM	1995	-	G	subsea completion
Q1-Halfweg	Unocal	1995	4+GBS	G	satellite
K14-FB-1	NAM	1997	4	G	satellite
K4a-D	Total	1997	-	G	subsea completion
K5-EN/C	Total	1997	4	G	satellite
L10-S-2	Gaz de France	1997	-	G	subsea completion
L10-S-3	Gaz de France	1997	-	G	subsea completion
L10-S-4	Gaz de France	1997	-	G	subsea completion
N7-FA-SP	NAM	1997	1	G	satellite
P2-NE	Wintershall	1997	4	G	satellite
P6-S	Wintershall	1997	4	G	satellite
K4-A	Total	1998	4	G	satellite
K6-GT	Total	1998	4	G	satellite
K7-FD-1	NAM	1998	4	G	satellite
L9-FF-1P	NAM	1998	6	G	production
L9-FF-1W	NAM	1998	4	G	wellhead
Q16-FA-1	NAM	1998	-	G	subsea completion
D15-FA-1	NAM	1999	6	G	integrated

Platform	Operator	Year of installation	Number of legs	G* / O*	Function
K9ab-B	Gaz de France	1999	4	G	satellite
L4-PN	Total	1999	4	G	satellite
F2-A-Hanze	PCN	2000	GBS	G+O	integrated
K4-BE	Total	2000	4	G	satellite
L10-M	Gaz de France	2000	4	G	satellite
L8-A-west	Wintershall	2000	-	G	subsea completion
L8-P4	Wintershall	2000	4	G	integrated
Q4-A	Wintershall	2000	4	G	satellite
P6-D	Wintershall	2001	4	G	satellite
K12-G	Gaz de France	2001	4	G	satellite
G17d-A	Gaz de France	2001	4	G	jacket
K8-FA-1P	NAM	2001	4	--	accommodation
K1-A	Total	2001	4	G	satellite
G17d-A	Gaz de France	2002	4	G	satellite
K12-S2	Gaz de France	2002	-	G	subsea completion
K15-FK-1	NAM	2002	4	G	satellite
K5-PK	Total	2002	4	G	satellite
Q4-B	Wintershall	2002	4	G	satellite
K7-FB-1	NAM	2003	4	G	satellite
K12-S3	Gaz de France	2003	0	G	subsea completion
L5-B	Wintershall	2003	4	G	satellite
Q4-C	Wintershall	2003	4	G	satellite
D12-A	Wintershall	2004	4	G	satellite
Q5-A1	Wintershall	2004	-	G	subsea completion
F16-A	Wintershall	2005	6	G	integrated
G14-A	Gaz de France	2005	4	G	satellite
G16-A	Gaz de France	2005	4	G	satellite
G17a-S1	Gaz de France	2005	-		subsea completion
G17d-AP	Gaz de France	2005	4	G	production
K2b-A	Gaz de France	2005	4	G	satellite
K17-FA-1	NAM	2005	1	G	satellite
L4-G	Total	2005	-	G	subsea completion
L6d-2	ATP	2005	-	G	subsea completion
P11-B-DeRuyter	PCN	2006	GBS	O	integrated
J6-C	CH4	2006	4	G	riser/compressor
L5-C	Wintershall	2006	4	G	satellite
K12-K	Gaz de France	2006	4	G	wellhead
G14-B	Gaz de France	2006	4	G	wellhead
A12-CPP	Chevron	2007	4	G	Integrated
L09-FA-01	NAM	2007	1	G	wellhead
L09-FB-01	NAM	2007	1	G	wellhead

G* = Gas

O* = Oil

GBS = Gravity Based Structure

PIPELINES, Netherlands Continental Shelf as at 1 January 2008

Operator	From	To	Diameter (inches)	Laid (year)	Length (km)	Carries
Gaz de France	L10-C	L10-AP	10,75 * 2,375	1974	1,1	g + m
Gaz de France	L10-B	L10-AP	10,75 * 2,375	1974	7,4	g + m
NGT	L10-AR	Uithuizen	36	1975	179,0	g
Wintershall	K13-AP	Callantsoog	36	1975	120,5	g
Gaz de France	L10-D	L10-AP	10,75 * 2,375	1977	1,1	g + m
Gaz de France	L10-E	L10-AP	10,75 * 2,375	1977	4,0	g + m
NAM	K8-FA-1	K14-FA-1P	24	1977	30,9	g
NAM	K14-FA-1P	WGT-pipe (s)	24	1977	0,1	g + co
TotalFinaElf	L7-B	L7-P	12,75,4,5,3,5	1977	7,9	g + w + g
TotalFinaElf	L7-P	L10-AR	16	1977	15,8	g
Wintershall	K13-B	K13-AP	10 * 2	1977	9,2	aband.
NAM	K11-FA-1	K8-FA-1	6,625	1978	6,0	aband.
NAM	K8-FA-1	K8-FA-2	3	1978	4,0	c
NAM	K8-FA-2	K8-FA-1	10,75	1978	3,8	g + co
NAM	K15-FA-1	WGT-pipe (s)	24	1978	0,1	co
Wintershall	K13-D	K13-C	10 * 2	1978	3,5	aband.
Wintershall	K13-C (Bypass)	K13-AP	20	1978	10,2	g
Gaz de France	L10-F	L10-AP	10,75 * 2,375	1980	4,3	g + m
TotalFinaElf	L4-A	L7-P	12,75 ,3,5	1981	22,8	g + gl
NAM	K7-FA-1P	K8-FA-1	18	1982	9,4	g + co
Unocal	Q1-Helder-AW	Q1-Helm-AP	20	1982	6,2	o
Unocal	Q1-Helm-AP	IJmuiden	20	1982	56,7	o
Wintershall	K10-C (Bypass)	K10-B	10 * 2	1982	5,2	g + m
Wintershall	K10-B	K13-C (Bypass)	20	1982	7,4	g
Gaz de France	K12-A	L10-AP	14 * 2,375	1983	29,2	g + m
NAM	K15-FB-1	Callantsoog	24	1983	74,3	g + co
Unocal	Q1-Hoorn-AP	Q1-Helder-AW	10,75	1983	3,5	o
Wintershall	P6-A	L10-AR	20	1983	78,7	g
Gaz de France	L10-G	L10-B / L10-A (s)	10,75 * 2,375	1984	4,7	g + m
Gaz de France	L10-K	L10-B / L10-A (s)	10,75 * 2,375	1984	5,8	aband.
Gaz de France	L10-B	L10-AD	14	1984	6,8	g
Gaz de France	L10-EE	L10-B / L10-A (s)	10	1984	0,2	g
Gaz de France	K12-C	K12-A / L10-A (s)	10 * 2	1984	0,4	g + m
Wintershall	K18-Kotter-P	Q1-Helder-A	12	1984	20,2	o
BP	P15-C	Hoek v. Holland	10	1985	42,6	o
BP	P15-B	P15-C	10	1985	3,4	aband.
BP	P15-B	P15-C	6	1985	3,4	aband.
BP	P15-C	P15-B	6	1985	3,4	aband.
BP	P15-B	P15-C	4	1985	3,4	aband.
Gaz de France	K12-D	K12-C	10,75 * 2,375	1985	4,3	g + m
NAM	AWG-1R	NGT-pipe (s)	20	1985	7,1	g + co +ci
NAM	AME-1	AWG-1R	20	1985	4,2	g + co
TotalFinaElf	L4-B	L7-A	10,75 , 3,5	1985	10,1	g + gl

Operator	From	To	Diameter (inches)	Laid (year)	Length (km)	Carries
TotalFinaElf	L7-A	L7-P	10,75, 3,5	1985	10,4	g + gl
Wintershall	L16-Logger-P	K18-Kotter-P	8	1985	18,9	o
Wintershall	K18-Kotter-P	L16-Logger-P	6	1985	18,9	w
Wintershall	P6-B	P6-A	12 * 3	1985	3,9	g + gl
Wintershall	P6-C (toek.plf)	P6-B	12 * 3	1985	2,9	g + gl
Gaz de France	K12-A/ L10-A (s)	K12-E	2,375	1986	3,9	aband.
Gaz de France	K12-E	K12-C	10,75	1986	6,3	aband.
NAM	L13-FC-1P	K15-FA-1	18	1986	15,4	g + co
NAM	K8-FA-3	K7-FA-1P	12,75	1986	8,9	g
NGT	L11-B	NGT-pipe (s)	14	1986	6,8	g
Unocal	Q1-Helder-B	Q1-Helder-AW	8,625	1986	1,8	aband.
Wintershall	Q8-A	Wijk aan Zee	10	1986	13,7	g
NAM	K15-FA-1	K14-FA-1C	18	1987	24,2	g + co
NGT	K12-BP	L10-AR	18	1987	21,4	g
NGT	K9c-A	L10-AR	16	1987	36,6	g
NGT	K9c-A/L10-AR(s)	K9ab-A	16	1987	0,1	g
TotalFinaElf	Zuidwal	Harlingen TC	20 , 3 , 3	1987	20,3	g + gl + c
Gaz de France	K12-A	K12-CC	10,75	1988	8,3	g
Gaz de France	L10-L	L10-AP	10,75 * 2,375	1988	2,2	g + m
Gaz de France	L10-S1	L10-AP	6,625 * 2,375	1988	11,5	aband.
Gaz de France	K12-E	L10-S1	90 mm	1988	4,6	aband.
NGT	L8-G	L11b-A	14	1988	14,4	g
TotalFinaElf	L7-P	L7-N	10,75 * 3,5	1988	4,2	g + gl
Wintershall	L8-H	L8-A / L8-G(s)	8	1988	0,2	g
Wintershall	K13-C (Bypass)	K10-B / K13-A (s)	20	1988	2,5	g
Wintershall	L8-A	L8-G	8	1988	10,0	g
NAM	L13-FD-1	L13-FC-1P	10	1989	3,7	g + co
NAM	L13-FC-1P	L13-FD-1	3,6	1989	3,6	c
NAM	K8-FA-2	K8-FA-1	10,75	1989	4,0	g + co +ci
TotalFinaElf	L7-H	L7-N	10,75 * 3,5	1989	10,4	g + gl
Unocal	Q1-Haven-A	Q1-Helder-AW	8,625	1989	5,8	aband.
Gaz de France	L14-S1	L11a-A	6,625 * 2,375	1990	6,0	aband.
Gaz de France	K12-B	K12-S1	3,5	1990	4,9	c
NAM	K15-FC-1	K15-FB-1	10,75	1990	7,9	g + co
NAM	K15-FB-1	K15-FC-1	4,03	1990	7,9	c
NAM	K15-FG-1	K15-FA-1	14,3	1990	7,0	g + co
NAM	K15-FA-1	K15-FG-1	4,03	1990	7,0	c
NAM	L13-FE-1	L13-FC-1P	12,98	1990	4,3	g + co
NAM	L13-FC-1P	L13-FE-1	3,76	1990	4,3	c
NGT	L11-A	NGT-pipe (s)	10,75	1990	11,8	aband.
Wintershall	P12-C	P12-SW	8 * 3	1990	6,9	aband.
Wintershall	P12-SW	P6-A	12 * 3	1990	42,0	g + gl
Gaz de France	K12-S1	K12-BP	6,625 * 2,375	1991	4,9	aband.
NAM	AME-2	AWG-1R	13,6	1991	5,2	g + co
NAM	AWG-1R	AME-2	4,02	1991	5,2	c
NAM	F3-FB-1P	L2-FA-1	24	1991	108,1	g + co

Operator	From	To	Diameter (inches)	Laid (year)	Length (km)	Carries
NAM	L2-FA-1	Callantsoog	36	1991	144,2	g + co
NAM	L5-FA-1	NOGAT-pipe (s)	16	1991	0,4	g + co
NAM	L15-FA-1	NOGAT-pipe (s)	16	1991	0,4	g + co
NAM	F15-A	NOGAT-pipe (s)	16	1991	0,3	g + co
NGT	K6-C	K9c-A	16	1991	5,2	g
TotalFinaElf	K6-D	K6-C	10,75 * 3,5	1991	3,8	g + gl
TotalFinaElf	K6-DN	K6-C	12,75 * 3,5	1992	5,4	g + gl
Wintershall	J6-A	K13-AW	24	1992	85,8	g
BP	P15-D	Maasvlakte	26	1993	40,1	g
BP	P15-E	P15-D	10 * 2	1993	13,9	g + m
BP	P15-F	P15-D	12 * 3	1993	9,1	g + m
BP	P15-G	P15-D	12 * 3	1993	9,1	g + m
BP	P15-10S	P15-D	4 * 2	1993	3,9	g + m
BP	P15-D	P15-10S	90 mm	1993	3,9	c
BP	P15-12S	P15-D	4 * 2	1993	6,1	g + m
BP	P15-D	P15-12S	90 mm	1993	6,1	c
BP	P15-14S	P15-G	4 * 2	1993	3,7	g + m
BP	P15-D	P15-14S	90 mm	1993	8,0	c
BP	P18-A	P15-D	16 * 3	1993	20,8	g + m
NAM	F3-FB-1P	F3-OLT	16	1993	2,0	o
NAM	F3-FB-1P	F3-OLT	3,21	1993	2,0	c
TotalFinaElf	K6-N	K6-C	12,75 * 3,5	1993	8,5	g + gl
Unocal	P9-Horizon-A	Q1-Helder-AW	10,75	1993	4,8	o + w
Wintershall	K10-V	K10-C (Bypass)	10 * 2	1993	10,3	g + m
Wintershall	P14-A	P15-D	10 * 2	1993	12,6	def. verl.
Lasmo	ST-I	J6-A	12 * 2	1994	5,5	g + m
TotalFinaElf	K5-D	K5-A	12,75 * 3,6	1994	10,6	g + gl
Wintershall	Q8-B	Q8-A	8 * 2	1994	8,3	g + m
Wintershall	K5-A	J6-A / K13-AW (s)	18	1994	0,3	g
Wintershall	L8-P	L8-G	8 * 2	1994	7,5	g + m
Gaz de France	K11-B	K12-C	14 * 2,375	1995	16,1	aband.
NAM	L13-FH-1	K15-FA-1	6,625	1995	9,4	g + co + m+ ci
NAM	K15-FA-1	L13-FH-1	2,98	1995	9,4	c
TotalFinaElf	K5-B	K5-A	346 mm	1995	6,4	g
TotalFinaElf	K5-A	K5-B	3,5	1995	6,4	m + c
Unocal	Q1-Halfweg	Q1-Hoorn-AP	12,75 * 2,375	1995	12,4	g + co + m
Unocal	Q1-Hoorn-AP	Q1-Halfweg	70,9 mm	1995	12,4	c
Unocal	Q1-Hoorn-AP	WGT-pipe (s)	12,75	1995	17,2	g + co
Unocal	Q1-Haven-A	Q1-Helder-AW	8,625	1995	5,8	o + w
Wintershall	P2-NE	P6-A	10	1996	38,2	aband.
Wintershall	P6-S	P6-B	203 mm	1996	6,5	g
Gaz de France	L10-S2	L10-AP	6,625 * 2,375	1997	6,3	g + m
Gaz de France	L10-AP	L10-S2	84 mm	1997	7,0	c
Gaz de France	L10-S3	L10-AP	6,625 * 2,375	1997	1,9	g + gl
Gaz de France	K12-E	L10-S3	3,5	1997	4,5	c
Gaz de France	L10-S4	L10-AP	6,625 * 2,375	1997	8,3	g + m

Operator	From	To	Diameter (inches)	Laid (year)	Length (km)	Carries
Gaz de France	L10-AP	L10-S4	84 mm	1997	8,4	c
NAM	K14-FA-1P	K15-FB-1	16	1997	16,6	g
NAM	K14-FB-1	K14-FA-1P	10,75	1997	9,2	g + co
NAM	K14-FA-1P	K14-FB-1	3,65	1997	9,2	c
NAM	L9-FF-1P	NOGAT-pipe (s)	24	1997	19,3	g + co
TotalFinaElf	K4a-D	J6-A	183 mm	1997	7,3	g
TotalFinaElf	J6-A	K4a-D	2,5	1997	7,4	m + c
TotalFinaElf	K5-EN/C	K5-D	303 mm	1997	2,7	aband.
TotalFinaElf	K5-D	K5-EN/C	2,5	1997	2,7	gl
TotalFinaElf	K5-B	K5-EN/C	70 mm	1997	6,2	c
NAM	K7-FD-1	K8-FA-1	12	1998	9,4	g + co
NAM	K7-FD-1	K8-FA-1	3,4	1998	9,4	c
NAM	K8-FA-1	K14-FA-1C	24	1998	30,9	g
NAM	Q16-FA-1	P18-A	8,625	1998	10,3	g + co
NAM	P18-A	Q16-FA-1	2,375	1998	10,3	m
NAM	Q16-FA-1	P18-A	3,4	1998	10,3	c
TotalFinaElf	K4-A	K5-A	12 * 3	1998	6,9	g + gl
TotalFinaElf	K6-GT	L4-B	10 * 3	1998	10,7	g + gl
TotalFinaElf	K4-A	K5-A	2,5	1998	6,7	c
Gaz de France	K9ab-B	D15-FA-1/L10-A (s)	10	1999	0,1	g
NGT	D15-FA-1	L10-AC	36	1999	140,7	g
TotalFinaElf	L4-PN	L4-A	10	1999	11,4	aband.
TotalFinaElf	L4-A	L4-PN	4	1999	11,4	gl
Gaz de France	L10-M	L10-AP	10,75 * 2,375	2000	11,9	g + m
Petro-Canada	F2-A-Hanze	TMLS	16	2000	1,5	o
TotalFinaElf	K4-BE	K4-A	9,5	2000	8,0	aband.
TotalFinaElf	K4-A	K4-BE	2,5	2000	8,0	gl
Wintershall	Q4-A	P6-A	14	2000	35,2	g + co
Wintershall	Duitsland (A6)	F3-FB-1P	20 , 4	2000	119,0	g + co
Wintershall	L8-A-West	L8-P4	6	2000	10,2	g + co
Wintershall	L8-P4	L8-A-West	82 mm	2000	10,2	c
Wintershall	L8-P	L8-P4	12	2000	2,8	g
Wintershall	L8-P4	NGT-pipe (s)	16	2000	28,0	g + co
Gaz de France	K12-G	L10-AP	14 , 2	2001	15,6	g + m
NGT	G17d-A	NGT-pipe (s)	18	2001	64,5	g
Petro-Canada	F2-A-Hanze	A6 / B4 (s)	4	2001	0,1	g
Petro-Canada	F2-A-Hanze	A6 / B4 (s)	62,1 mm	2001	0,1	c
Petro-Canada	F2-A-Hanze	TMLS	62,1 mm	2001	1,5	c
TotalFinaElf	K5-EN/C	K5-D	10,75	2001	2,8	g
TotalFinaElf	K1-A	J6-A	14,75 * 3,5	2001	9,2	g + m
Wintershall	P6-D	P6-B	12	2001	6,8	g
Gaz de France	K12-S2	K12-C	6,625	2002	6,9	g
Gaz de France	K12-S2	K12-C	95,5 mm	2002	6,9	c
Wintershall	Q4-B	Q4-A	10,75	2002	7,3	g
Wintershall	Q4-C	Q1-Hoorn	16 * 2	2002	14,3	g + gl
Gaz de France	K12-S3	K12-BP	6	2003	3,4	g

Operator	From	To	Diameter (inches)	Laid (year)	Length (km)	Carries
Gaz de France	K12-BP	K12-S3	95,5 mm	2003	3,4	c
Maersk	Denemarken (Tyra WE)	F3-FB-1P	26	2003	38,0	g
Maersk	F3-FB-1P	subsea valve station	4	2003	0,3	c
NAM	K7-FB-1	K7-FD-1	12	2003	17,0	g
NAM	K8-FA-1	K7-FB-1	4	2003	26,0	c
NAM	K15-FK-1	K15-FB-1	10	2003	8,0	g
NAM	K15-FK-1	K15-FB-1	4	2003	8,0	c
Wintershall	L5-B	L8-P4	10 , 4	2003	6,4	g + c
Total	K4-BE	K4-A	10	2004	8,0	g
Wintershall	D12-A	D15-FA-1	10	2004	4,9	g
Wintershall	D12-A	D15-FA-1	10	2004	4,9	c
Wintershall	Q5-A1	Q8-B	8	2004	13,5	g
Wintershall	Q5-A1	Q8-B	4	2004	13,5	c
Wintershall	F16-A	NGT	24	2005	32	g
Gaz de France	G14-A	G17d-AP	12 + 2	2005	19,8	g + m
Gaz de France	G17a-S1	G17d-AP	6 + 92,5 mm	2005	5,67	g + c
Gaz de France	K2b-A	D15-FA-1/L10-A NGT-pipe (s)	12	2005	2,8	
NAM	K17-FA-1	K14-FB-1	16 * 2	2005	14,4	g + m
Total	L4-G	L4-A	6 + 4	2005	9,6	g + c
ATP	L6d-2	G17d-AP	6 + 73 mm	2005	40	g + c
Petro-Canada	P11-B-Ruyter	P11-B-TMLS	16	2005	1,5	o
Petro-Canada	P11-B-Ruyter	P12-SW	8	2005	29	g
ATP	L6d	G17d-AP	6 * 73 mm	2006	40	g + c
CH4 Limited	grens blok J6	J6-CT	10 * 1,5	2006	18,3	g + m
Gaz de France	G16A-A	G17d-AP	10 * 2	2006	17,85	g + m
Gaz de France	Minke	D15-FA-1	8 , 90,6 mm	2006	15,1	g + c
Britain Grove	Grove field	J6-CT	10 * 2	2006	13,4	g + m
NAM	K17-FA-1	K14-FB-1	16 * 2	2006	14,4	g + m
Petro-Canada	P11-B-Ruyter	P11-B-TMLS	16	2006	1,5	o
Petro-Canada	P11-B-Ruyter	P12-SW	8	2006	29	g
Total	L4G	L4-PA	6 , 92 mm	2006	10,6	g + c
Wintershall	L5-C	L8-P4	10 , 82 mm	2006	8,1	g + c
Chevron	A12 CCP	B10 Nogat	16	2007	16	g
Gaz de France	G14-B	G17-D-AP	12	2007	13,36	g + m

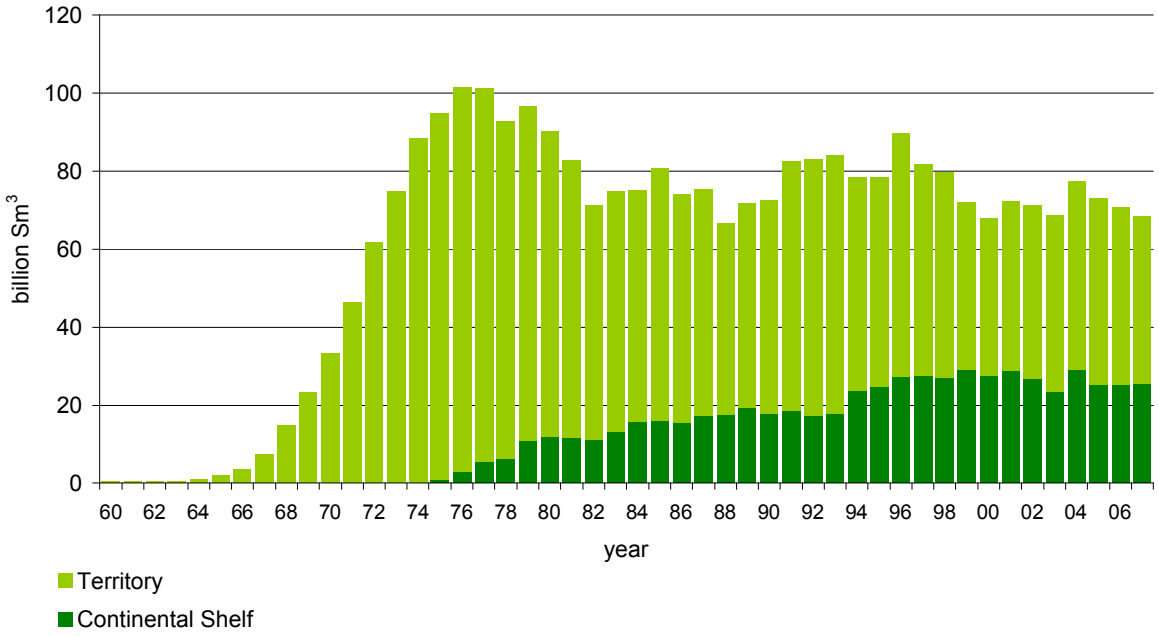
*	= multiple pipeline	gl	= glycol
+	= laid separately	m	= methanol
c	= control cable	ci	= corrosion inhibitor
o	= oil	l	= instrument air
g	= gas	(s)	= side-tap
co	= condensate	aband.	= abandonned

GAS PRODUCTION in million Sm^3

Year	Territory	Continental Shelf	Total
1960	384.0	0.0	384.0
61	476.0	0.0	476.0
62	538.0	0.0	538.0
63	603.0	0.0	603.0
64	876.0	0.0	876.0
1965	1818.0	0.0	1818.0
66	3564.0	0.0	3564.0
67	7423.0	0.0	7423.0
68	14889.0	0.0	14889.0
69	23097.0	0.0	23097.0
1970	33418.0	7.9	33425.9
71	46248.0	2.4	46250.4
72	61661.0	1.4	61662.4
73	74766.0	7.8	74773.8
74	88359.0	14.6	88373.6
1975	93924.0	963.3	94887.3
76	98307.0	3092.7	101399.7
77	95603.0	5479.6	101082.6
78	86475.0	6298.5	92773.5
79	85862.0	10925.5	96787.5
1980	78209.0	12102.0	90311.0
81	70928.0	11798.3	82726.3
82	60004.0	11073.3	71077.3
83	61533.0	13172.2	74705.2
84	59352.0	15787.3	75139.3
1985	64573.0	16070.9	80643.9
86	58480.0	15549.0	74029.0
87	58089.0	17271.4	75360.4
88	49092.0	17591.2	66683.2
89	52570.0	19300.0	71870.0
1990	54585.0	17856.0	72441.0
91	63724.0	18686.3	82410.3
92	65702.0	17279.0	82981.0
93	66154.0	17851.4	84005.4
94	54863.0	23536.9	78399.9
1995	53643.0	24706.9	78349.9
96	62295.0	27350.6	89645.6
97	54261.0	27581.0	81842.0
98	52764.0	27141.0	79905.0
99	42823.0	29207.0	72030.0
2000	40320.2	27473.9	67794.1
01	43220.8	29043.1	72263.9
02	44472.4	26770.1	71242.5
03	45257.1	23508.0	68765.1

Year	Territory	Continental Shelf	Total
04	48422.3	29121.7	77544.0
2005	48019.2	25097.2	73116.4
2006	45561.5	25179.9	70741.4
2007	42699,8	25609,2	68308,9
Total	2359908,3	619508,5	2979416,7

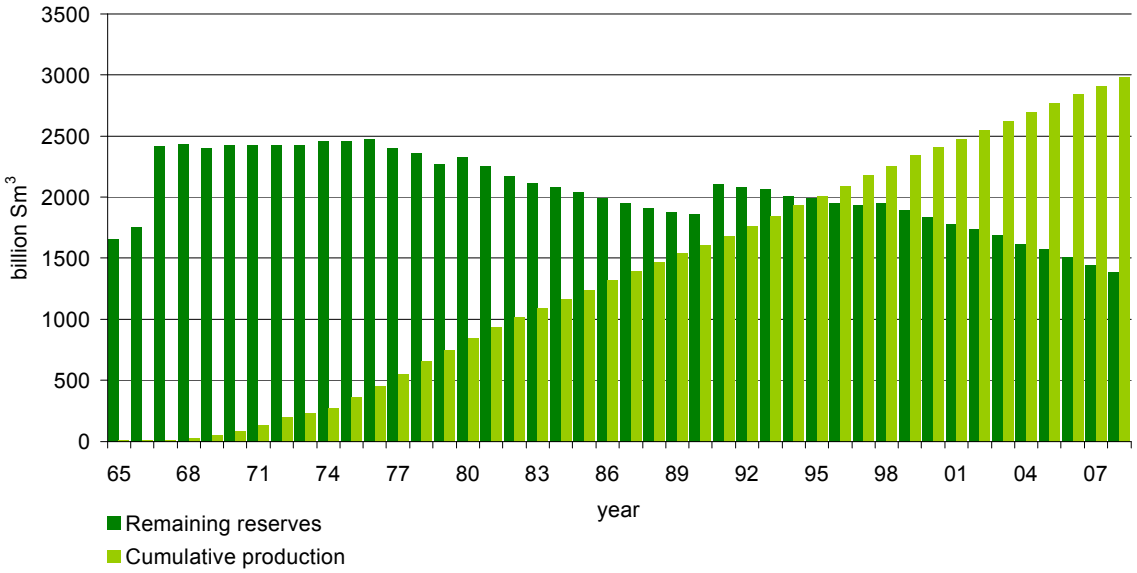
Gas production 1960-2007



GAS RESERVES AND CUMULATIVE PRODUCTION in billion Sm^3

Year	Territory		Continental Shelf		Total	
as at 1 January	expected reserves	cumulative production	expected reserves	cumulative production	expected reserves	cumulative production
1974	2 243	271.2	211	0.0	2 454	271.2
1975	-	359.6	-	0.0	-	359.6
76	2 137	453.5	340	1.0	2 477	454.5
77	2 030	551.8	367	4.1	2 397	555.9
78	1 996	646.9	363	9.6	2 359	656.5
79	1 928	732.9	343	15.9	2 271	748.8
1980	2 023	818.3	304	26.8	2 327	845.1
81	1 953	896.5	298	38.9	2 251	935.4
82	1 899	967.4	275	50.7	2 174	1 018.1
83	1 845	1 027.4	272	61.8	2 117	1 089.2
84	1 809	1 088.9	271	74.9	2 080	1 163.8
1985	1 754	1 148.3	281	90.7	2 035	1 239.0
86	1 704	1 121.9	290	106.8	1 994	1 319.7
87	1 655	1 271.3	300	122.3	1 955	1 393.6
88	1 607	1 330.8	303	139.6	1 910	1 470.4
89	1 557	1 380.0	320	157.2	1 877	1 537.2
1990	1 524	1 432.6	341	176.5	1 865	1 609.1
91	1 780	1 487.1	333	194.4	2 113	1 681.5
92	1 739	1 550.9	347	213.0	2 086	1 763.9
93	1 705	1 616.6	356	230.3	2 061	1 846.9
94	1 658	1 682.7	352	248.2	2 010	1 930.9
1995	1 663	1 737.6	334	271.7	1 997	2 009.3
96	1 631	1 791.2	321	296.4	1 952	2 087.7
97	1 587	1 853.5	343	323.8	1 930	2 177.3
98	1 574	1 907.7	373	351.4	1 947	2 259.1
99	1 533	1 960.6	360	378.5	1 893	2 339.0
2000	1 499	2 001.3	337	407.7	1 836	2 409.0
01	1 447	2 043.7	330	435.1	1 777	2 478.8
02	1 406	2 086.9	333	464.2	1 738	2 551.0
03	1 362	2 131.4	327	491.0	1 689	2 622.3
04	1 357	2 176.7	258	514.1	1 615	2 690.7
2005	1 305	2 223.6	267	543.6	1 572	2 767.3
06	1 285	2 271.6	225	568.7	1 510	2 840.3
07	1 233	2 317.2	206	593.9	1 439	2 911.1
08	1 189	2 359.9	198	619.5	1 386	2 979.4

Gas reserves and cumulative production (1 January), 1965 - 2008

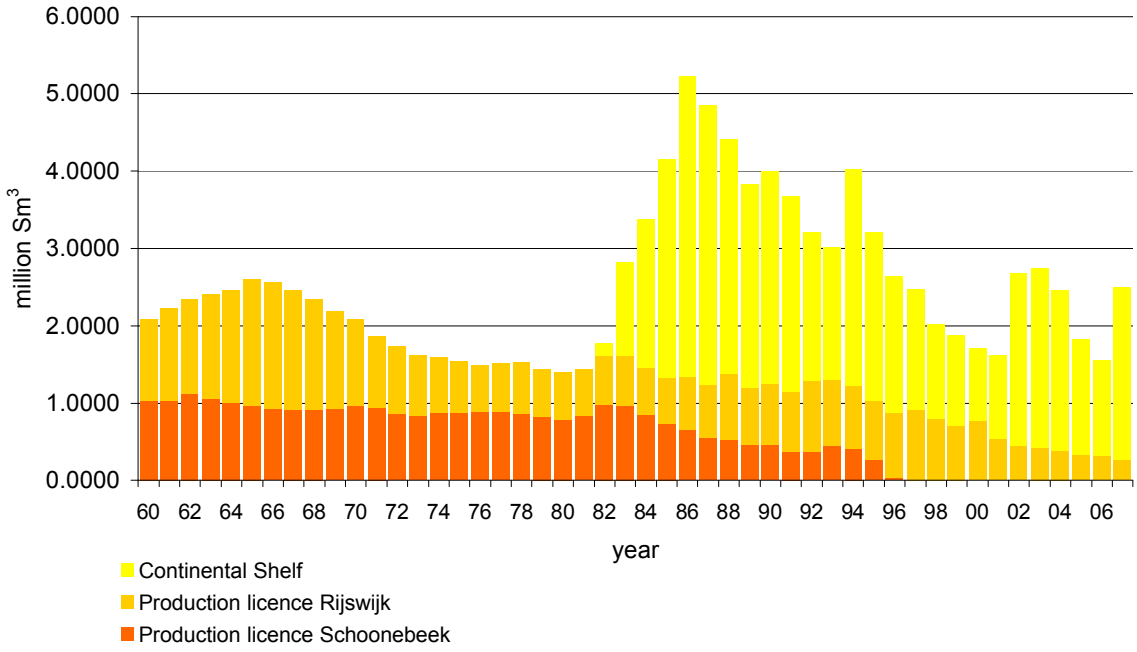


OIL PRODUCTION in 1 000 Sm^3

Year	Production licence Schoonebeek	Production licence Rijswijk*	Continental Shelf	Total
Up to 1969	21 662.8	15 587.2	--	37 250.0
1970	976.0	1 112.2	--	2 088.2
71	940.7	926.8	--	1 867.5
72	856.3	883.1	--	1 739.4
73	838.2	787.4	--	1 625.6
74	878.0	715.5	--	1 593.5
1975	877.0	671.5	--	1 548.5
76	891.9	605.2	--	1 497.1
77	890.8	617.8	--	1 508.6
78	862.3	667.8	--	1 530.1
79	820.4	615.6	--	1 436.0
1980	778.9	617.7	--	1 396.6
81	839.2	596.5	--	1 435.7
82	987.9	625.3	159.7	1 772.9
83	960.0	655.6	1 209.1	2 824.7
84	846.9	615.6	1 921.7	3 384.2
1985	734.5	602.8	2 825.4	4 162.7
86	658.9	688.8	3 889.7	5 237.4
87	556.4	692.5	3 607.8	4 856.7
88	536.0	844.9	3 032.9	4 413.8
89	464.3	731.6	2 634.5	3 830.4
1990	463.0	784.9	2 744.5	3 992.4
91	366.0	777.3	2 527.9	3 671.2
92	379.3	907.3	1 920.7	3 207.3
93	454.0	849.0	1 709.8	3 012.8
94	406.4	811.4	2 804.8	4 022.6
1995	268.3	760.9	2 182.1	3 209.3
96	23.2	856.5	1 767.2	2 647.0
97	-	917.6	1 556.8	2 474.4
98	-	810.4	1 218.9	2 029.3
99	-	714.6	1 173.2	1 887.8
2000	-	776.1	936.4	1 712.5
01	-	542.2	1 085.4	1 627.6
02	-	439.0	2 236.4	2 675.4
03	-	416.2	2 324.6	2 740.0
04	-	381.3	2 081.7	2 463.0
2005	-	335.4	1 489.7	1 825.1
06		322.2	1 238.3	1 560.5
07	0,0	264,1	2 232,9	2 497,0
Total	40 216,8	39 452,5	50 279,2	129 945,8

* including production of 546 Sm^3 from production licence Botlek in 2007.

Oil production 1960 – 2007

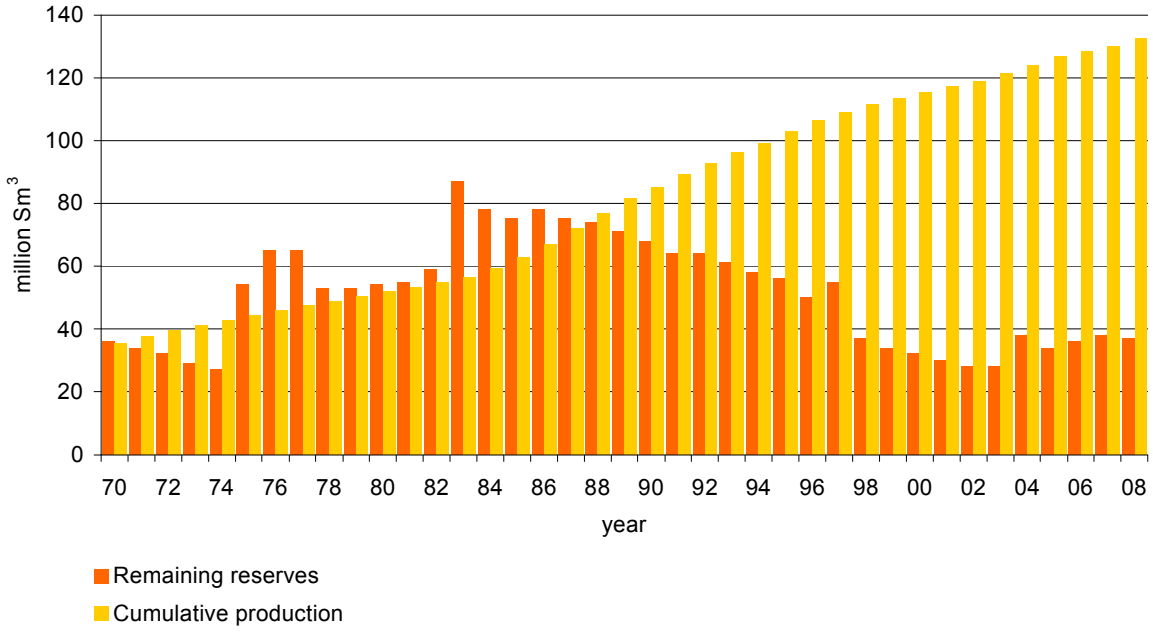


OIL RESERVES AND CUMULATIVE PRODUCTION in million Sm^3

Year	Territory		Continental Shelf		Total	
as at 1 January	expected reserves	cumulative production	expected reserves	cumulative production	expected reserves	cumulative production
1970		35,4				35,4
71		37,5				37,5
72		39,4				39,4
73		41,1	-	-		41,1
74	27	42,8	-	-		42,8
1975	40	44,4	14	-		44,4
76	51	45,9	14	-	65	45,9
77	49	47,4	16	-	65	47,4
78	46	48,9	7	-	53	48,9
79	44	50,4	9	-	53	50,4
1980	43	51,9	11	-	54	51,9
81	41	53,3	14	-	55	53,3
82	39	54,7	20	-	59	54,7
83	38	56,3	49	0,2	87	56,5
84	37	57,9	41	1,4	78	59,3
1985	41	59,4	34	3,3	75	62,7
86	42	60,7	36	6,1	78	66,8
87	40	62,1	35	10,0	75	72,1
88	41	63,3	33	13,6	74	76,9
89	39	64,7	32	16,6	71	81,4
1990	41	65,9	27	19,3	68	85,2
91	40	67,2	24	22,0	64	89,2
92	38	68,3	26	24,6	64	92,9
93	37	69,6	24	26,5	61	96,1
94	35	70,9	23	28,2	58	99,1
1995	34	72,1	22	31,0	56	103,1
96	33	73,1	17	33,2	50	106,3
97	33	74,0	22	34,9	55	109,0
98	12	74,9	25	36,5	37	111,4
99	8	75,7	26	37,7	34	113,5
2000	7	76,5	25	38,9	32	115,3
01	6	77,2	24	39,8	30	117,1
02	5	77,8	23	40,9	28	118,7
03	5	78,2	23	43,1	28	121,4
04	21	78,6	17	45,5	38	124,1
2005	19	79,0	15	47,6	34	126,6
06	23	79,3	13	49,0	35	128,4
07	24	79,7	14	50,3	38	129,9
08	24	79,9	13	52,5	37	132,4

This table has been corrected for a cumulative error due to the rounding off of the annual figures.

Oil reserves and cumulative production in million Sm^3 1970 – 2008



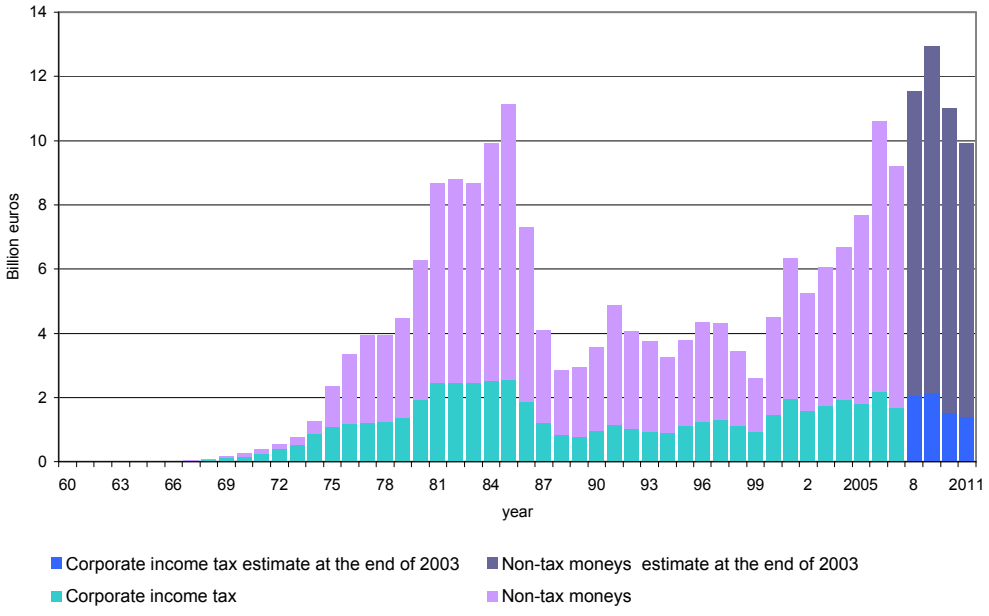
NATURAL GAS REVENUES 1960 – 2011

Year	Non-tax moneys* (10^9 €)	Corporate income tax (10^9 €)	Total (10^9 €)
1960	0	0	0
61	0	0	0
62	0	0	0
63	0	0	0
64	0	0	0
1965	0	0	0
66	0	0.01	0.01
67	0.01	0.04	0.05
68	0.02	0.07	0.09
69	0.05	0.14	0.19
1970	0.09	0.18	0.27
71	0.14	0.27	0.41
72	0.14	0.41	0.55
73	0.23	0.54	0.77
74	0.41	0.86	1.27
1975	1.27	1.09	2.36
76	2.18	1.18	3.36
77	2.72	1.23	3.95
78	2.68	1.27	3.95
79	3.09	1.36	4.45
1980	4.36	1.91	6.27
81	6.22	2.45	8.67
82	6.35	2.45	8.8
83	6.22	2.45	8.67
84	7.40	2.54	9.94
1985	8.58	2.54	11.12
86	5.45	1.86	7.31
87	2.86	1.23	4.09
88	2.00	0.86	2.86
89	2.18	0.78	2.96
1990	2.61	0.96	3.57
91	3.72	1.17	4.89
92	3.04	1.02	4.06
93	2.83	0.95	3.78
94	2.34	0.91	3.25
1995	2.64	1.13	3.77
96	3.10	1.26	4.36
97	3.01	1.30	4.31
98	2.33	1.12	3.45
99	1.69	0.92	2.61
2000	3.02	1.47	4.49
01	4.37	1.98	6.35
02	3.67	1.58	5.25

Year	Non-tax moneys* (10^9 €)	Corporate income tax (10^9 €)	Total (10^9 €)
03	4.31	1.74	6.05
04	4.74	1.94	6.68
2005	5.88	1.80	7.68
06	8.43	2.18	10.61
07	7.53	1.68	9.21
Prognosis			
08	*9.50*	*2.05*	*11.55*
09	*10.80*	*2.15*	*12.95*
10	*9.45*	*1.55*	*11.00*
11	*8.50*	*1.40*	*9.90*

The natural gas revenues are presented on a so called 'trans based'. This means that the revenues are allocated in the year in which the transaction actually took place. The actual receiving of the revenues by the state (cash based) takes place with a certain delay.
Non-tax moneys consist of: bonus, surface rentals, royalties, the State profit share, the special payments to the State on production from the Groningen accumulation and the profit distributed by Energie Beheer Nederland B.V., the participant in the production on behalf of the State.
The estimation for the years 2008 up to and including 2011 are amongst others based on oil price scenarios of the Central Planning Bureau (CPB). For 2008 and 2009 the estimation is based on the oil price scenario of the Centraal Economisch Plan 2008. This implies an oil price of 86.5$ per barrel for both these years. For the years thereafter the prices are based on the Economische Verkenning 2008-2011 of September 2007. These prices are 68.3$ in 2010 and 65$ in 2011.

Natural gas revenues, 1960 – 2011



AUTHORITIES CONCERNED WITH MINING OPERATIONS

Ministry of Economic Affairs,
Energy Market Directorate

Aims at …

- Reliable, efficient, cleaner production and conversion of energy in the Netherlands
- Optimal development of the natural resources available in the Netherlands
- Sustainable use of the deep subsurface

Trough …

- Mutual co-ordination of energy-production and environmental and town-and-country-planning policies
- Ensuring a good business climate, in both national and international terms
- Ensuring a stable mining climate
- Production and optimal use of available natural resources
- Effective and efficient implementation of mining legislation
- Ensuring payments from production of minerals are received
- Research and development in the fields of nuclear energy and radioactive waste
- Balanced conditions for production and conversion of energy
- Stimulating the application of renewable energy sources, e.g. by supporting research, development and exhibitions
- Removal of administrative impediments to the application of renewable energy

Address: Ministry of Economic Affairs
Directorate-General for Energy and Telecom
Energy Market Directorate

Bezuidenhoutseweg 30
2594 AV The Hague
The Netherlands

PO Box 20101
2500 EC The Hague
The Netherlands

Telephone : +31 70 3798911
Fax : +31 70 3796358
E-mail : ezpost@minez.nl
www.minez.nl

TNO Built Environment and Geosciences - *National Geological Survey*

The task of TNO is to advise the Minister on geological matters, in particular those relating to exploration for and production of natural resources. TNO also maintains, interprets and processes the data that become available during the exploration for and production of natural resources or otherwise.

Address: TNO Built environment and Geosciences – *National Geological Survey*
Advisory Group Ministry of Economic Affairs
Business unit Geo-Energy and Geo-Information

Princetonlaan 6
3584 CB Utrecht
The Netherlands

PO Box 80015
3508 EC Utrecht
The Netherlands

Telephone : +31 30 256 46 00
Fax : +31 30 256 45 05
E-mail : nlog@tno.nl
www.tno.nl

State Supervision of Mines (Staatstoezicht op de Mijnen)
(a department of the Ministry of Economic Affairs)

The State Supervision of Mines supervises reconnaissance surveys, exploration and production activities concerning natural resources and geothermal energy and underground storage. In addition, the State Supervision of Mines advises on mining operations and licences and is entrusted with enforcing part of the mining legislation

Address: State Supervision of Mines
Prinses Beatrixlaan 428
2273 XZ Voorburg

POBox 8
2270 AA Voorburg

Telephone : +31 70 3956500
Telefax : +31 70 3956555
E-mail : info@sodm.nl
www.sodm.nl

Netherlands Oil and Gas Portal,
www.nlog.nl

The Netherlands Oil and Gas Portal provides information about oil and gas exploration and production in the Netherlands and the Dutch sector of the North Sea continental shelf. It aims to help users access information furnished by the Dutch government in an easy, comprehensible fashion. The portal was produced at the request of the Dutch Ministry of Economic Affairs and is being managed by TNO, *Geological Survey of the Netherlands.*

DEFINITIONS OF SELECTED TERMS

Territory or Netherlands territory:
in this review, territory and Netherlands territory denotes: the Netherlands mainland and that part of the Netherlands territorial waters located on the landward side of the line referred to in article 1, sub c, of the Mining Act.

Continental Shelf:
in this review, Continental Shelf denotes: that part of the Continental Shelf over which the Kingdom of the Netherlands has sovereign rights and which is located on the seaward side of the line referred to in article 1, sub c, of the Mining Act.

Reconnaissance licence:
a licence to carry out a reconnaissance survey on the Continental Shelf; as from the 1 January 2003 a reconnaissance survey is only required for certain areas.

Exploration licence:
a licence to carry out exploration for the mineral resources specified in the licence.

Production licence:
a licence to produce the mineral resources specified in the licence, and also to carry out exploration for these mineral resources.

Seismic surveying:
this review differentiates between 2D and 3D seismic techniques. Two-dimensional seismic surveying has a long tradition in the oil industry. This seismic technique is based on vibrations that are generated along a line on the earth's surface. These vibrations penetrate the earth's crust and are reflected by the layers within the crust. Geophones or hydrophones record the reflections. Because the vibrations do not always propagate solely in the vertical plane underneath the recording line, the representations of geological structures in 2D seismic sections only approximate the real situation. This approximation is far better for a 3D seismic survey, in which a large number of recording lines are positioned close together in a relatively small surface area. Modern electronic data processing makes it possible to correct for deviations of the wave fronts that are not in the vertical plane underneath an individual recording line, and thus permits generating an accurate model of the geological structures at any desired location.

Wells:
- exploration well (or wildcat): a well to explore a prospective underground accumulation of oil and/or gas
- appraisal well: a well drilled in order to establish the volume and extent of a reservoir after an exploration well has found hydrocarbons;
- development well: a well drilled in order to produce the reservoir;

Gas field/oil field:
A natural, isolated accumulation of gas and/or oil in a subsurface reservoir consisting of a porous rock that is capped or enclosed by an impermeable rock. In this review, the terms reservoir, field and accumulation are used as synonyms.

Reserves (categories and definitions):
In the following definitions, natural gas and oil are referred to collectively as hydrocarbons.

1 **Gas/Oil Initially in Place**
The total volume of hydrocarbons in a reservoir that is initially (originally) present in a reservoir. This volume is calculated on the basis of the mean values of the parameters used in the calculations.

2 **Expected Initial Reserves**
The total volume of hydrocarbons in a reservoir that is estimated to be ultimately recoverable. This volume is calculated on the basis of the mean values of the parameters used in the calculations.

3 **Proven Initial Reserves**
The volume of hydrocarbons in a reservoir that is estimated to be ultimately recoverable, with an expectation-curve probability of 90%.

4 **Remaining Expected Reserves**
That part of the expected initial reserves remaining after subtraction of the cumulative production, i.e. the total volume of hydrocarbons produced from the reservoir concerned by the end of the year under review.

5 **Remaining Proven Reserves**
The volume - based on the 90% expectation-curve value - of hydrocarbons that can still be extracted from a reservoir. This volume is calculated by subtracting the cumulative production from the Proven Initial Reserves.

The term ‘expected’ in the definitions above should be interpreted in the statistical sense of the word. The stated figure represents the expected value. The following explanation may be useful.
All data that are used for the purpose of calculating volumes have an intrinsic uncertainty. By processing these uncertainties statistically, an expectation curve can be determined for each accumulation. This is a cumulative probability distribution curve, i.e. a graph in which reserve values are plotted against the associated probabilities that these values will be achieved or exceeded. As production from a hydrocarbon reservoir progresses, several uncertainties decrease and the expected value will deviate less and less from the 50% value on the cumulative probability distribution curve. In practice, the stated reserves of a given field are the expected values. This is the most realistic estimate available of the volume of hydrocarbons actually present in a reservoir.
The recoverability of hydrocarbons from an accumulation is determined by the geological and reservoir characteristics of that accumulation, the recovery techniques available at the reporting date, and the economic conditions prevailing at that time.

Probabilistic summation of the proven reserves:
In this method, the probability distributions of the reserves of the individual fields are combined. This way, the uncertainties inherent to all reserve estimates are accounted for. The result of applying the probabilistic summation method is that the total figure obtained for the proven reserves according to the definition, now indeed represents the proven proportion of total Dutch reserves in a statistically more reliable manner. In other words, there is a 90% probability that reserves will actually exceed the value stated.

Units:
Standard m^3: Natural gas and oil reserves are expressed in m^3 at a pressure of 101.325 kPa (or 1.01325 bar) and 15°C. This m^3 is defined as Standard m^3 in Standard no. 5024-1976(E) of the International Organization for Standardization (ISO), and is normally abbreviated to Sm^3.

Normal m^3: Natural gas and oil reserves are expressed in m^3 at a pressure of 101.325 kPa (or 1.01325 bar) and 0°C. This m^3 is defined as Normal m^3 in Standard no. 5024-1976(E) of the International Organization for Standardization (ISO), and is normally abbreviated to Nm^3.

Groningen gas equivalent: For the purpose of performing calculations with volumes of natural gas of varying qualities, these are converted to a Groningen gas equivalent. This is achieved by converting a volume of gas from an accumulation that produces a different quality of gas, to a (fictitious) volume of gas of the quality of the Groningen accumulation (35.17 Mega joules upper value per m^3 of 0°C and 101.325 kPa, or 1.01325 bar).
One Nm^3 gas that has a calorific value of 36.5 MJ equals 36.5/35.17 m^3 Groningen gas equivalent (Geq)
The term Groningen gas equivalent is also commonly used by the N.V. Nederlandse Gasunie.

Figures stated in Groningen gas equivalent can be converted simply into equivalents for other fuels, such as Tons Oil Equivalent (TOE) and Coal Equivalent (CE).

Fuel name	Expressed in	Giga Joules	Giga calories	Oil equiv. tonnes	Oil equiv. barrels	Coal equivalent tonnes	Natural Gas equivalent 1,000 m^3
Firewood (dry)	tonnes	13.51	3.23	0.32	2.36	0.46	0.43
Coal	tonnes	29.30	7.00	0.70	5.11	1.00	0.93
Lignite	tonnes	17.00	4.06	0.41	2.96	0.58	0.54
Cokes	tonnes	28.50	6.81	0.68	4.97	0.97	0.90
Cokes oven gas	1,000 m^3	17.60	4.20	0.42	3.07	0.60	0.56
Blast furnace gas	1,000 m^3	3.80	0.91	0.09	0.66	0.13	0.12
Crude oil	tonnes	42.70	10.20	1.02	7.45	1.46	1.35
Oil equivalent	tonnes	41.87	10.00	1.00	7.30	1.43	1.32
Refinery gas	1,000 m^3	46.10	11.01	1.10	8.04	1.57	1.46
LPG	1,000 m^3	45.20	10.79	1.08	7.88	1.54	1.43
Naphtha	tonnes	44.00	10.51	1.05	7.67	1.50	1.39
Jet fuel	tonnes	43.49	10.39	1.04	7.58	1.48	1.37
Gasoline	tonnes	44.00	10.51	1.05	7.67	1.50	1.39
Kerosene	tonnes	43.11	10.29	1.03	7.52	1.47	1.36
Light fuel oil	tonnes	42.70	10.20	1.02	7.45	1.46	1.35
Heavy fuel oil	tonnes	41.00	9.79	0.98	7.15	1.40	1.30
Petroleum cokes	tonnes	35.20	8.41	0.84	6.14	1.20	1.11
Natural gas	1,000 m^3	31.65	7.56	0.76	5.52	1.08	1.00
Electricity *	MWh	3.60	0.86	0.09	0.63	0.12	0.11

*In this energy conversion table, the energy value of an MWh electricity is to be understood as the energy content of a generated unit of electricity. In order to produce this unit of energy, more energy is necessary. The amount of energy required depends on the efficiency of the conversion.

APPENDICES

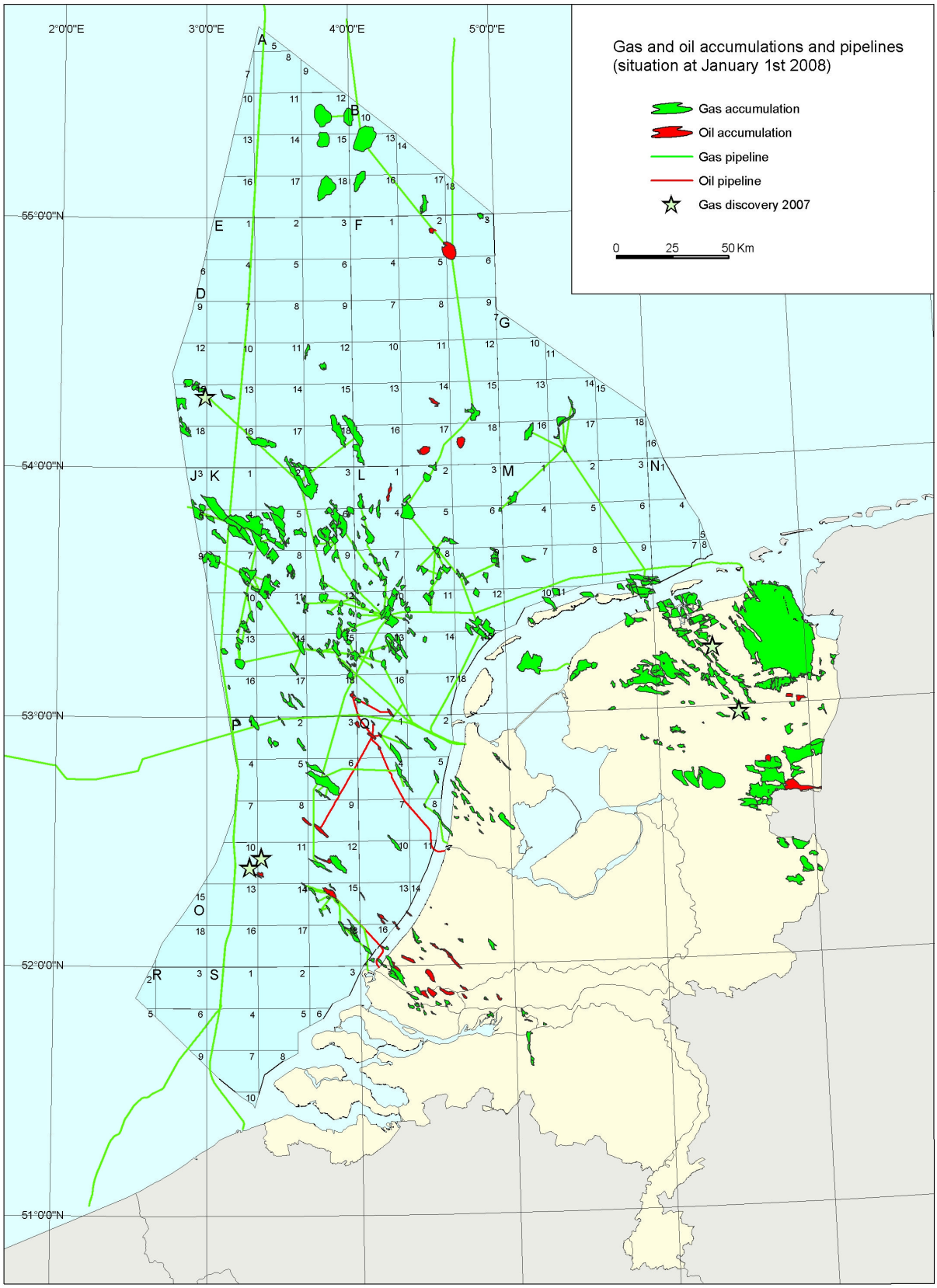
Exploration and production licences as at 1 January 2008

Names of the exploration, production and storage licences, Netherlands Territory, as indicated on opposite page.

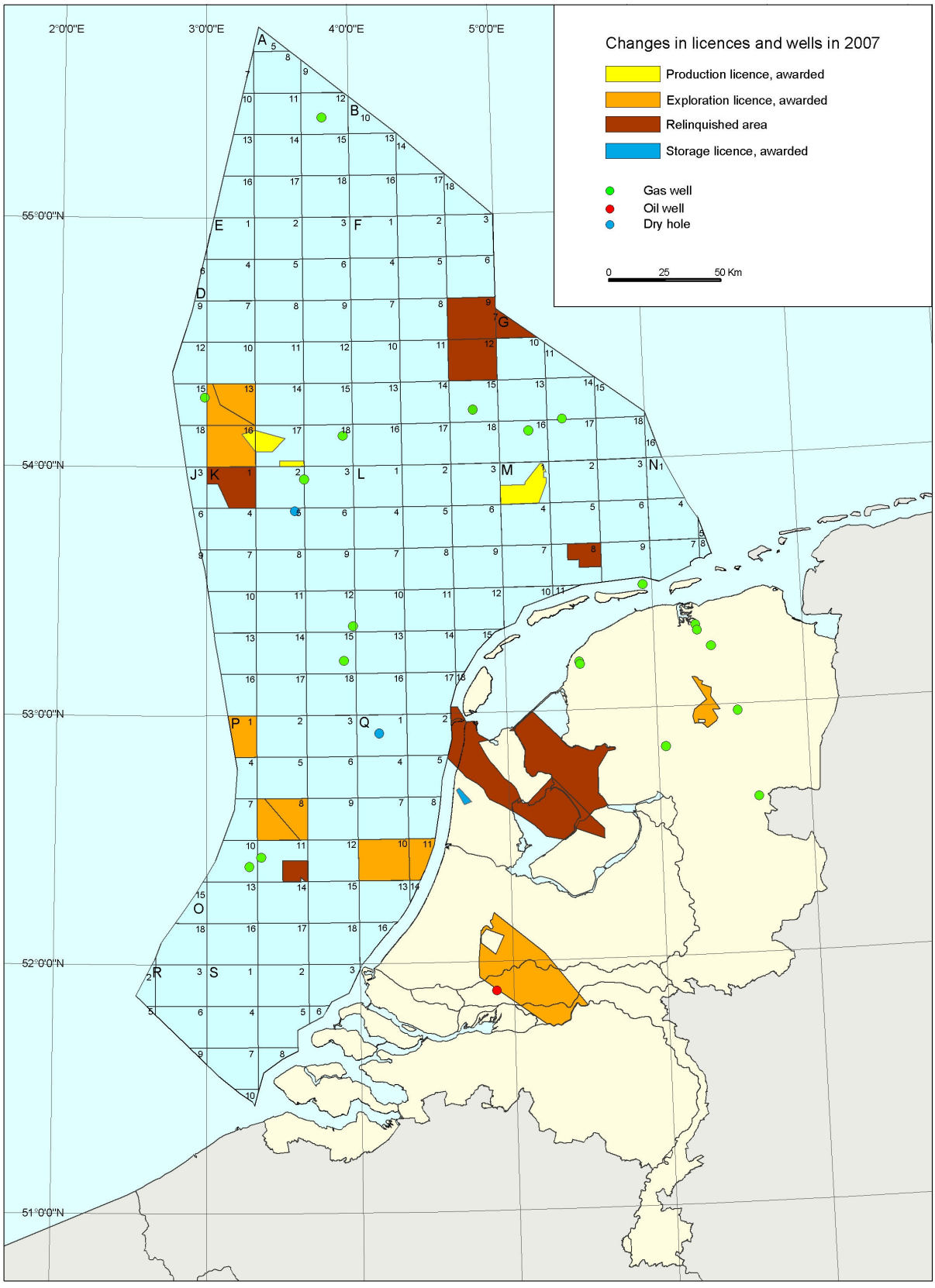
Exploration licence		Production licence	
1	Andel III *	I	Noord-Friesland
2	Andel IV	II	Groningen
3	Oosterwolde	III	Tietjerksteradeel
5	Utrecht	IV	Leeuwarden
		VI	Drenthe II
		VII	Schoonebeek
		VIII	Tubbergen
		IX	Twenthe
		X	Rossum-de Lutte
		XI	Slootdorp
		XII	Middelie
		XIII	Bergen II
		XIV	Rijswijk
		XV	Zuidwal
		XVI	Oosterend
		XVII	Gorredijk
		XVIII	Waalwijk
		XIX	Hardenberg
		XX	Botlek
		XXI	Steenwijk
		XXII	de Marne
		XXIII	Donkerbroek
		XXIV	Beijerland
		XXVI	Papekop
		XXVII	Oosterwolde
		XXVIII	Bergermeer
		XXIX	Alkmaar
		XXX	Drenthe III
		XXXI	Drenthe IV
Application for exploration licence		**Application for production licence**	
4	Schiermonnikoog-Noord	XXV	Terschelling
6	Zuid-Friesland II **	V	Akkrum
Storage licence		**Application for Storage licence**	
A	Norg	D	Waalwijk-Noord
B	Grijpskerk		
C	Alkmaar UGS		
E	Zuidwending		
F	Bergermeer UGS		

* Production Licence applied for

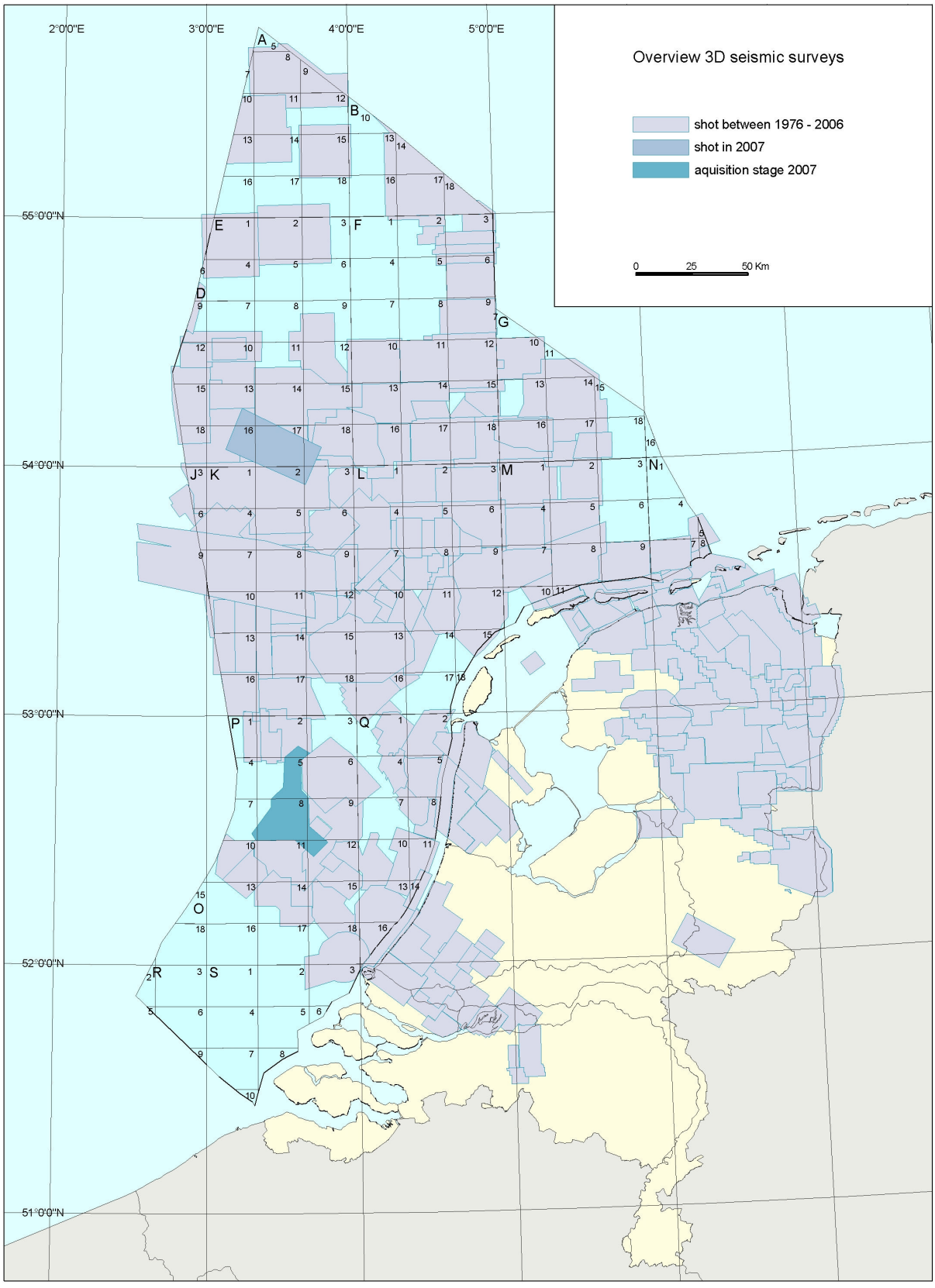
** Licence revision awarded, not yet in force because of legal procedure.


Gas and oil accumulations and pipelines
(situation at January 1st 2008)
Gas accumulation
Oil accumulation
Gas pipeline
Oil pipeline
Gas discovery 2007
0
25
50 Km
2°0'0"E
3°0'0"E
4°0'0"E
5°0'0"E
55°0'0"N
54°0'0"N
53°0'0"N
52°0'0"N
51°0'0"N
A
B
D
E
F
G
J
K
L
M
N
O
P
Q
R
S

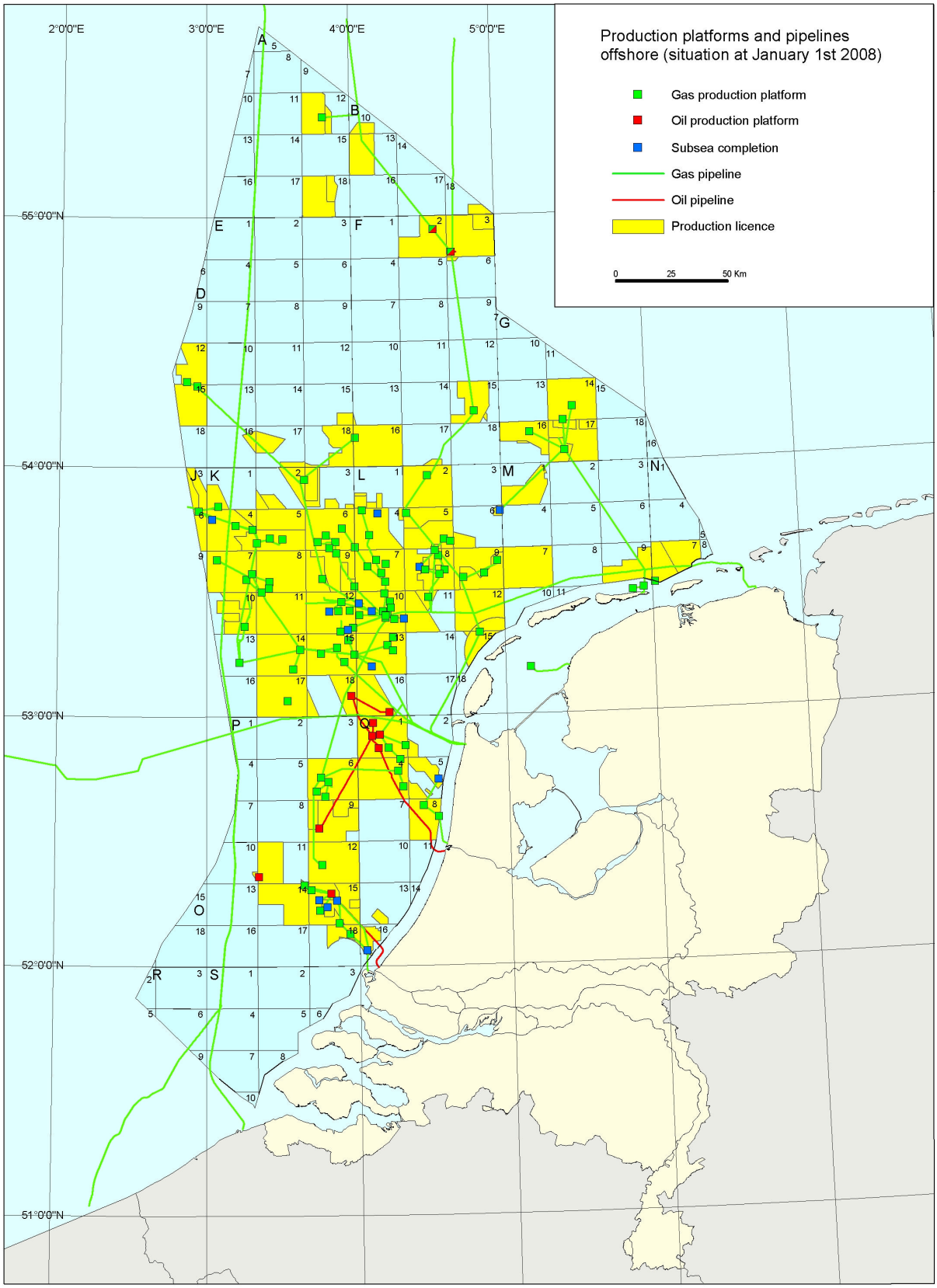
Wells and changes in licence situation during 2006


Changes in licences and wells in 2007
Production licence, awarded
Exploration licence, awarded
Relinquished area
Storage licence, awarded
Gas well
Oil well
Dry hole
0
25
50 Km
2°0'0"E
3°0'0"E
4°0'0"E
5°0'0"E
55°0'0"N
54°0'0"N
53°0'0"N
52°0'0"N
51°0'0"N
A
B
D
E
F
G
J
K
L
M
N1
O
P
Q
R
S

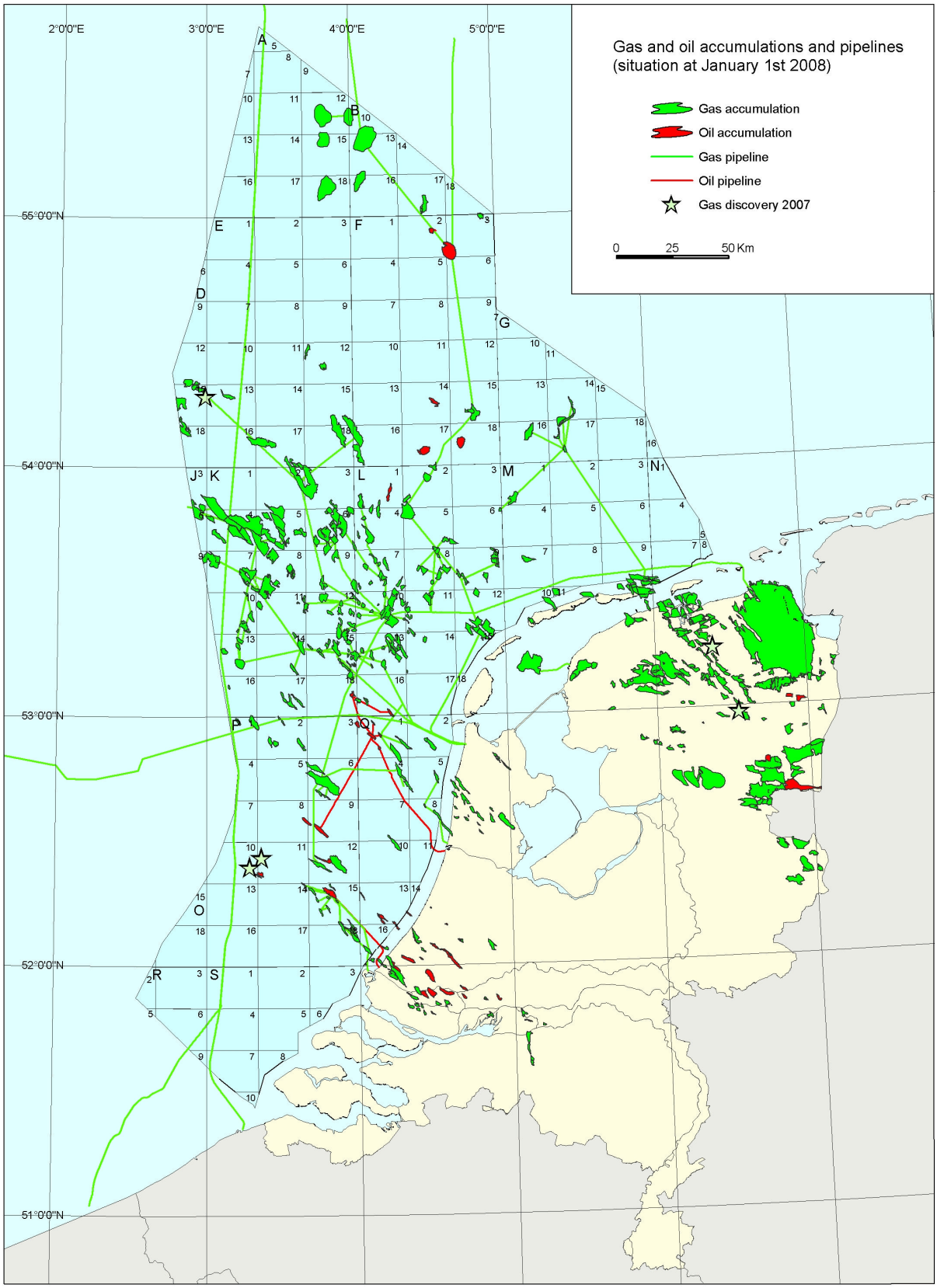
Summary of 3D seismic surveys


Overview 3D seismic surveys
shot between 1976 - 2006
shot in 2007
aquisition stage 2007
0
25
50 Km
2°0'0"E
3°0'0"E
4°0'0"E
5°0'0"E
55°0'0"N
54°0'0"N
53°0'0"N
52°0'0"N
51°0'0"N
A
B
D
E
F
G
J
K
L
M
N1
O
P
Q
R
S

Production platforms and pipelines


Production platforms and pipelines
offshore (situation at January 1st 2008)
Gas production platform
Oil production platform
Subsea completion
Gas pipeline
Oil pipeline
Production licence
0
25
50 Km
2°0'0"E
3°0'0"E
4°0'0"E
5°0'0"E
55°0'0"N
54°0'0"N
53°0'0"N
52°0'0"N
51°0'0"N
A
B
D
E
F
G
J
K
L
M
N
O
P
Q
R
S

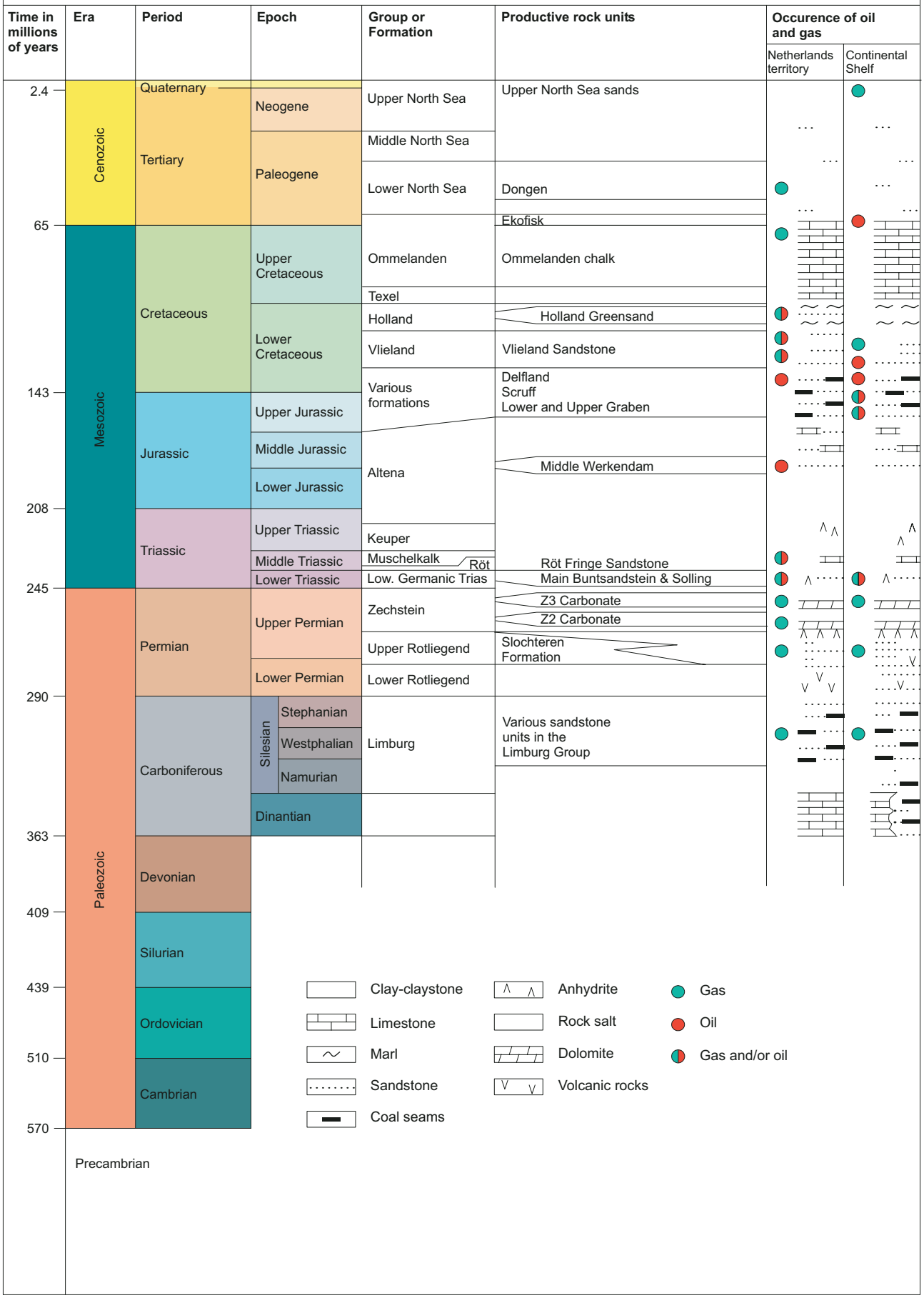
Gas and oil accumulations and pipelines as at 1 January 2007


Gas and oil accumulations and pipelines
(situation at January 1st 2008)
Gas accumulation
Oil accumulation
Gas pipeline
Oil pipeline
Gas discovery 2007
0
25
50 Km
2°0'0"E
3°0'0"E
4°0'0"E
5°0'0"E
55°0'0"N
54°0'0"N
53°0'0"N
52°0'0"N
51°0'0"N
A
B
D
E
F
G
J
K
L
M
N
O
P
Q
R
S

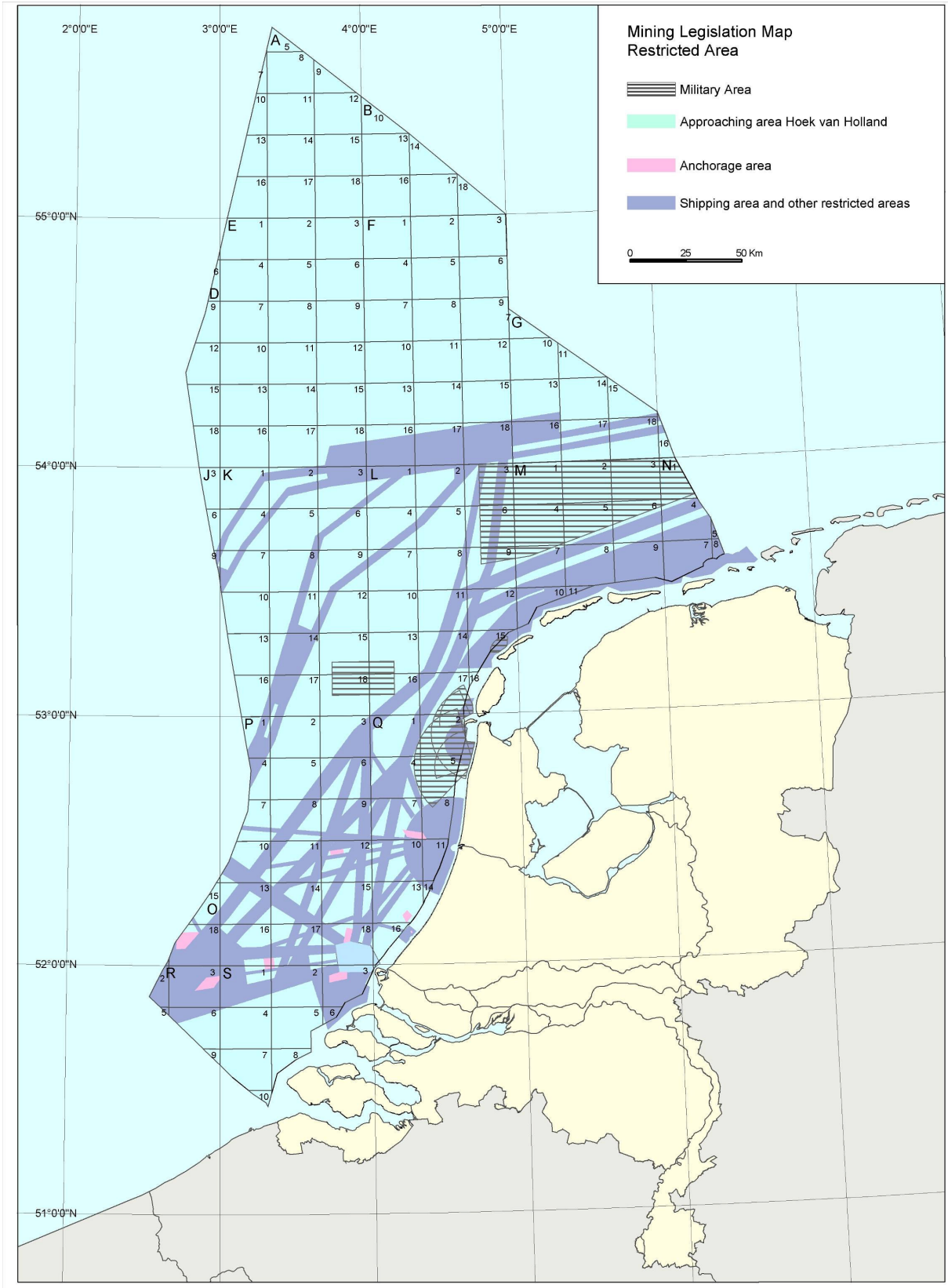
Geological time scale

Geological time scale

with composite stratigraphic column
of the Netherlands and the Continental Shelf



Mining Legislation Map


Mining Legislation Map
Restricted Area
Military Area
Approaching area Hoek van Holland
Anchorage area
Shipping area and other restricted areas
0
25
50 Km
2°0'0"E
3°0'0"E
4°0'0"E
5°0'0"E
55°0'0"N
54°0'0"N
53°0'0"N
52°0'0"N
51°0'0"N
A
B
D
E
F
G
J
K
L
M
N
O
P
Q
R
S