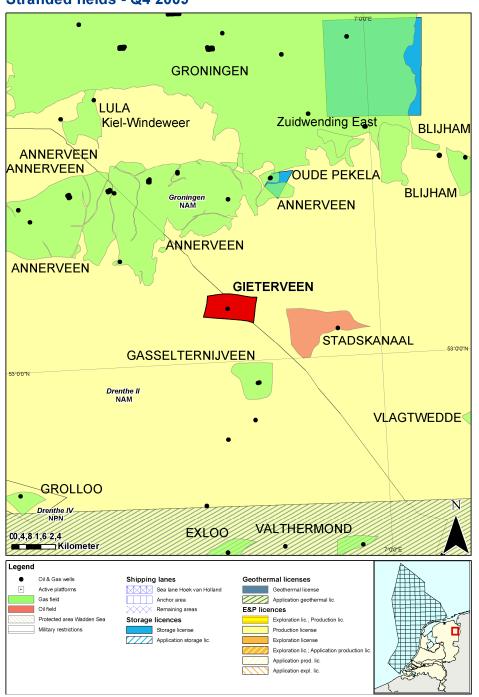




# **Fact sheet Gieterveen**

## Stranded fields - Q4 2009



Location map of the Gieterveen oil field

Fact sheet Gieterveen Q4 2009

# General information

The Gieterveen oil field was discovered in 1981 by NAM by well Gieterveen Oost-01. It is situated in the Drenthe II concession of the NAM, near the giant Groningen field. The field is located on the northwestern edge of the Lower Saxony Basin. Oil is contained in the Zechstein 2 Carbonate Member (ZEZ2C). Production test and results of RFT's are available on the composite well log.

The Zechstein 2 Carbonate is characterized by a great variation in thickness and composition within the area. To the south the Zechstein 2 Carbonate reaches a thickness of more that 190m. More information on the thickness pattern, 3D seismic and facies information is available in Van der Sanden (1996) and Geluk (2000).

Regional geological information of the Zechstein 2 Carbonate, the Slochteren Formation and the Tubbergen Formation, including the structural, regional porosity distribution of the Zechstein 2 Carbonate and burial history of the area is available in map sheet VI Veendam-Hoogeveen (TNO-NITG 2000).

Sequence of events

Date	Event
04-04-1963	Production license Groningen effective (NAM)
04-11-1968	Production license Drenthe granted (NAM)
29-03-1981	Spud date Gieterveen-Oost-01
14-06-1981	Sidetracked (kickoff 2099 m ah)
10-08-1981	TD reached 4012 m ah
13-08-1981	RFT's 3699-3734 m ah (ROSL)
20-11-1981	Production license area expanded with ca 7,4 km <sup>2</sup> (NAM)
16-12-1981	Production test 3633-3643 m ah (ZEZ2C)
18-07-2007	Split up Production license Drenthe; Drenthe II to NAM

### Reservoir data

Geological unit	Тор	Base	Net	N/G
RGD & NOGEPA (1993)	m ah	m ah	m ah	%
Zechstein 2 Carbonate Mbr (ZEZ2C)	3633 m ah	3643 m ah	10	100

Hydrocarbon specifications

Reservoir	CH <sub>4</sub> %	CO <sub>2</sub> %	N <sub>2</sub> %	H <sub>2</sub> S %	GHV MJ/m <sup>3</sup>
Zechstein 2 Carbonate Mbr <sup>1</sup>	76,09	1,08	7,63	0,4	43,5
(ZEZ2C)					

<sup>&</sup>lt;sup>1</sup>Characteristics of associated gas.

### Volumes

Reservoir	<b>STOIIP</b> $10^6 \mathrm{m}^3$	Reserves 10 <sup>6</sup> m <sup>3</sup>		
		Proven	Expected	Possible
Zechstein 2 Carbonate Mbr (ZEZ2C)	0,5 - 1			

### **Productivity**

Test depth	Initial pressure in bar abs	Reference depth m TVD	<b>CGR</b> m <sup>3</sup> / 10 <sup>6</sup> m <sup>3</sup>
Zechstein 2 Carbonate Mbr (ZEZ2C) 3633-3643 m ah	595	3535	124

More detailed production information on CWL

## Well status

GTV-01-s1: Plugged and abandoned.

Fact sheet Gieterveen Q4 2009

# Infrastructure

The nearest producing oil field is the Schoonebeek field, approximately 38 kilometers to the south.

## Public References

Geluk M.C. 2000, Late Permian (Zechstein) carbonate-facies maps, the Netherlands, Geologie en Mijnbouw: 79 (1) 17-27

RGD & NOGEPA 1993, Stratigraphic nomenclature of the Netherlands, Mededelingen Rijks Geologische Dienst, Nr. 50

TNO-NITG 2000. Geological Atlas of the Deep subsurface of the Netherlands. Map sheet VI: Veendam-Hoogeveen. Utrecht.

Van der Sanden et al. 1996, Multi-disciplinary exploration strategy in the Northeast Netherlands Zechstein 2 Carbonate play, guided by 3D seismic. In: Rondeel, Batjes & Nieuwenhuijs (eds.) Geology and gas and oil under the Netherlands. Kluwer Academic Publishers (Dordrecht): 125-142

NAM 1987: Composite well log. On open file

For more information stranded Oil&Gas fields in the Netherlands:

http://www.nlog.nl/nl/reserves/reserves/stranded.html

For released Well data and Seismic data contact DINOloket:

http://www.dinoloket.nl

For geological maps of the deep subsurface of the Netherlands:

http://www.nlog.nl/nl/pubs/maps/geologic\_maps/NCP1.html

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Fact sheet Gieterveen Q4 2009