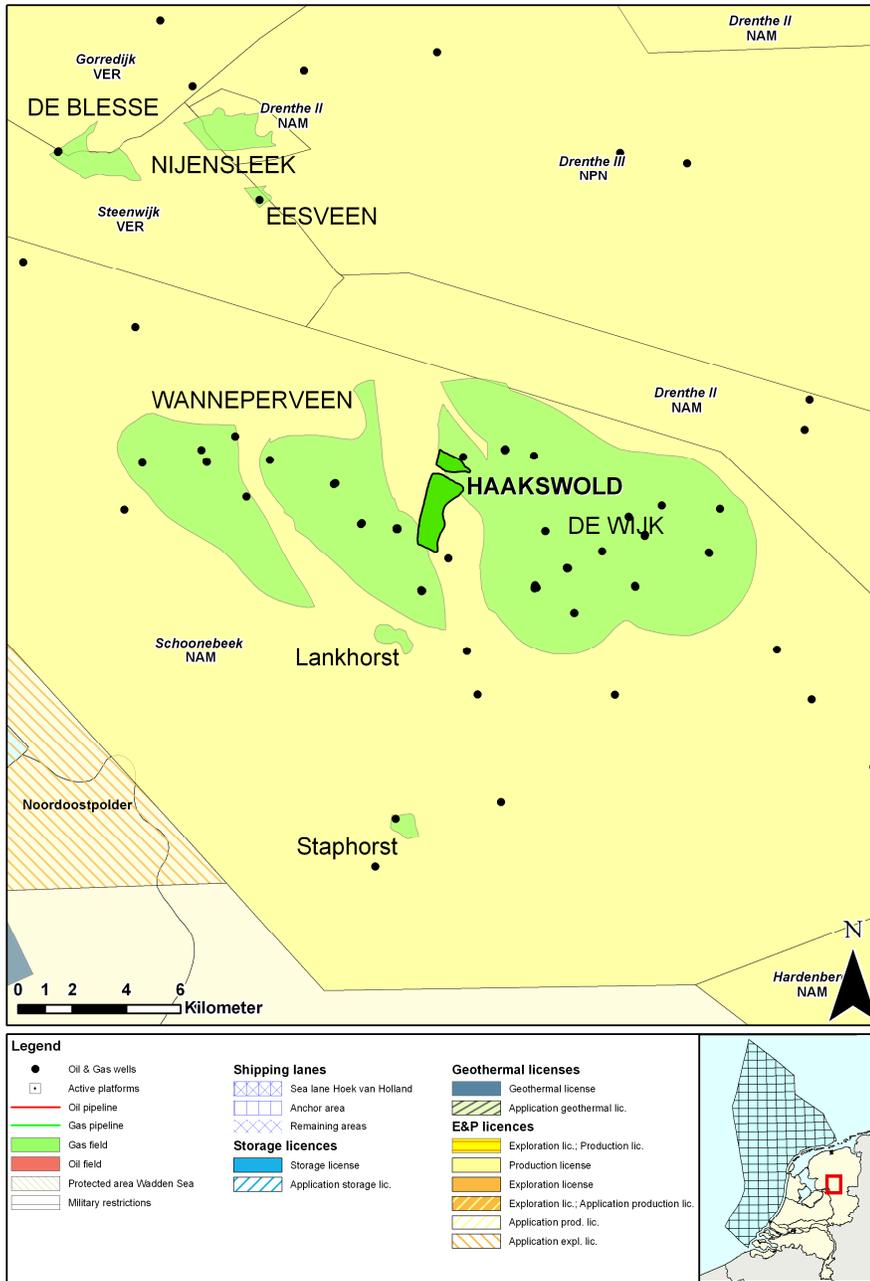




# Fact sheet Haakswold

## Stranded fields - Q4 2009



Location map of the Haakswold gas field

### **General information**

The Haakswold gas field was discovered in 1998 by NAM (WAV-19). The field is situated in the Schoonebeek concession of the NAM. It is located on the southeastern margin of the Friesland platform. Gas is contained in the Zechstein 2 Carbonate Member (ZEZ2C). The CWL of WAV-19 shows extensive lithology and gas readings. Due to cost-efficiency, no further tests have been made in well WAV-19.

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

Regional information on the sedimentology and the structural configuration of the area is available in map sheet V: Sneek-Zwolle (RGD, 1995).

### **Sequence of events**

Date	Event
09-06-1948	Production license Schoonebeek granted (NAM)
16-11-1950	Production license area expanded with ca 780 km <sup>2</sup> (NAM)
24-01-1997	Spud date Twente-Rijn 427 (Akzo)
25-02-1997	TD reached 346,3 m ah
03-10-1998	Spud date Wanneperveen-19 (NAM)
19-11-1998	TD reached 3050 m ah

### **Reservoir data**

Geological unit	Top m ah	Base m ah	Net m ah	N/G %
RGD & NOGEPa (1993) Zechstein 2 Carbonates (ZEZ2C)	2550	2570	± 20	± 100

Taken from CWL

### **Volumes**

Reservoir	GIIP 10 <sup>9</sup> m <sup>3</sup>	Reserves 10 <sup>9</sup> m <sup>3</sup>		
		Proven	Expected	Possible
Zechstein 2 Carbonates (ZEZ2C)	0 - 0,5		0 - 0,5	

### **Well status**

WAV-19: Plugged and abandoned

### **Infrastructure**

The field is located between the producing fields Wanneperveen and De Wijk. The nearest production facilities are also located at these fields.

### **Public References**

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

RGD 1995. Geological Atlas of the Deep subsurface of the Netherlands. Map sheet V: Sneek-Zwolle. Haarlem.

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

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 1998: Composite well log, WAV-19. *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](http://www.nlog.nl/nl/pubs/maps/geologic_maps/NCP1.html)*

***Liability***

*Facts and figures supplied on this fact sheet have been compiled carefully. Great care has been taken to ensure correct coverage of all information. TNO and the Ministry of Economic Affairs do not accept any liability for any direct or indirect damage of any kind ensuing from the use of information published on this sheet.*