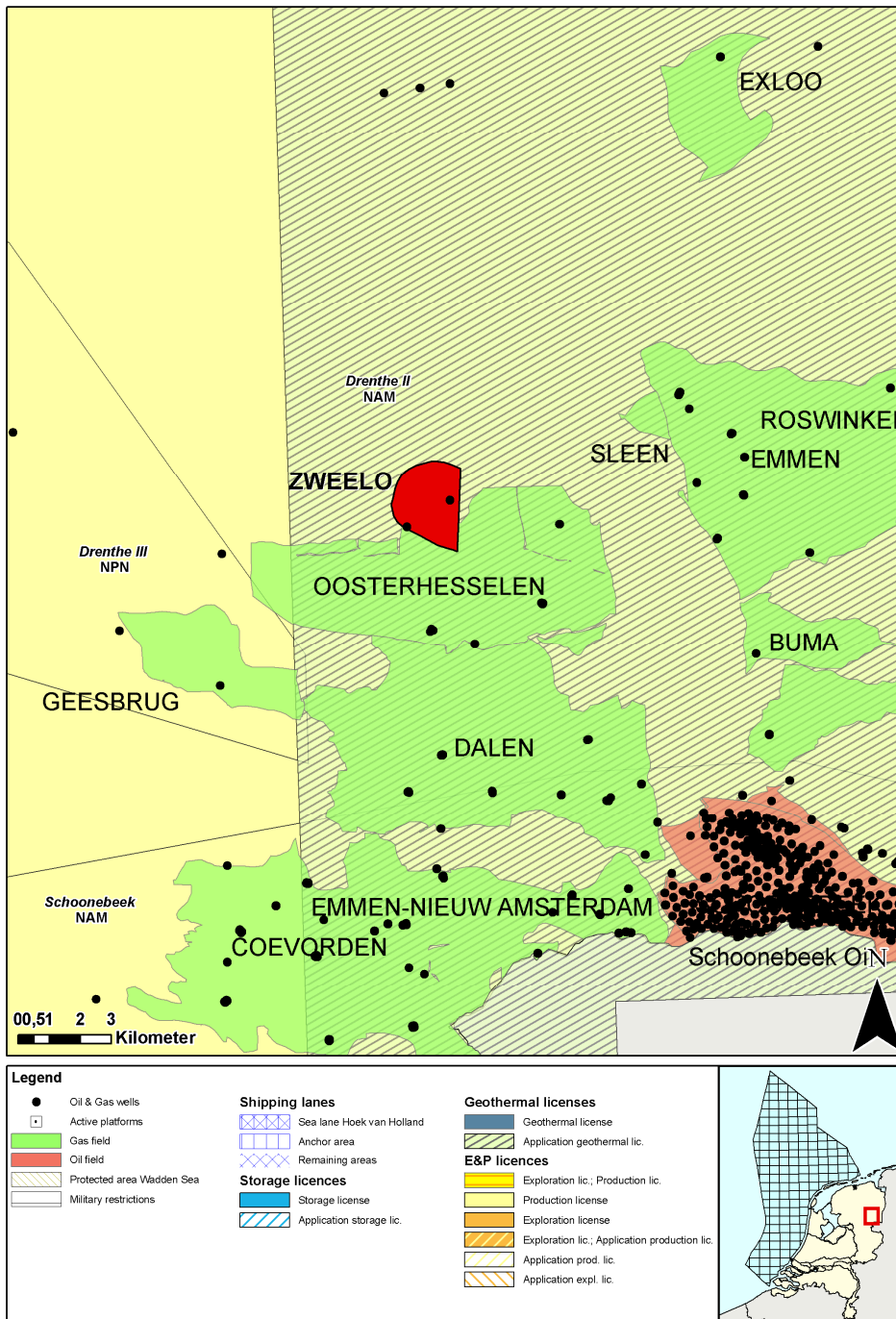




# Fact sheet Zweelo

## Stranded fields - Q4 2009



Location map of the Zweelo oil field

### **General information**

The Zweelo oil field was discovered in 1953 by NAM by well Zweelo-02 (ZWE-02). The field contains oil in the Vlieland sandstone Formation (KNNS). The oil is trapped in an anticlinal structure induced by salt tectonics, the reservoir is fractured. The structure is dip closed to all sides.

The oil field is situated within the Drenthe II concession of the NAM. The field is close to the Schoonebeek oil field and is located near the Dutch border, at approximately 14 km. The Zweelo field is situated in the Lower Saxony Basin.

Regional information on the sedimentology and the structural configuration of the area is available in Map sheet VI: Veendam-Hoogeveen and Map sheet X: Almelo-Winterswijk.

### **Sequence of events**

Date	Event
10-08-1953	Spud date Zweelo-02
Sep-1953	DST's 802 - 866 m ah
17-09-1953	TD reached 989 m ah
04-11-1968	NAM license Drenthe
20-11-1981	Area Drenthe license expanded and changed
18-07-2007	Drenthe license split up in Drenthe II, Drenthe III and Drenthe IV
28-08-2007	NAM production license Drenthe II (after split up Drenthe license)

### **Plug data**

Depth m	Porosity %	Permeability mD	Density g/cm <sup>3</sup>
849.1	3.8	0.1	2.6
849.5	6.7	0.1	2.63
855.5	8.2	0.1	2.65
857.1	4.3	0.1	2.67

### **Reservoir data**

Geological unit RGD & NOGEP (1993)	Top m ah	Base m ah	Porosity %
Vlieland Sandstone Formation (KNNS)			0 - 10

### **Hydrocarbon specifications**

Reservoir	GHV MJ/m <sup>3</sup>
Vlieland Sandstone Formation (KNNS)	39.93

### **Volumes**

Reservoir	STOIP 10 <sup>6</sup> m <sup>3</sup>	Reserves 10 <sup>6</sup> m <sup>3</sup>		
		Proven	Expected	Possible
Vlieland Sandstone Formation (KNNS)	8 - 12			

Test depth	Q well production at s.c. m <sup>3</sup> /d
Vlieland Sandstone Formation (KNNS)	0 - 5

More DST information is available in the CWL

**Well status**

Zweelo-02: Plugged and abandoned

**Infrastructure**

The nearest producing oil field is the Schoonebeek field, approximately fifteen kilometers to the southeast.

**Public References**

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

NITG-TNO 1998. Geological Atlas of the Deep subsurface of the Netherlands. Map sheet X: Almelo-Winterswijk. Utrecht.

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

NAM 1953: Composite well log, [Zweelo-2](#). *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)

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