



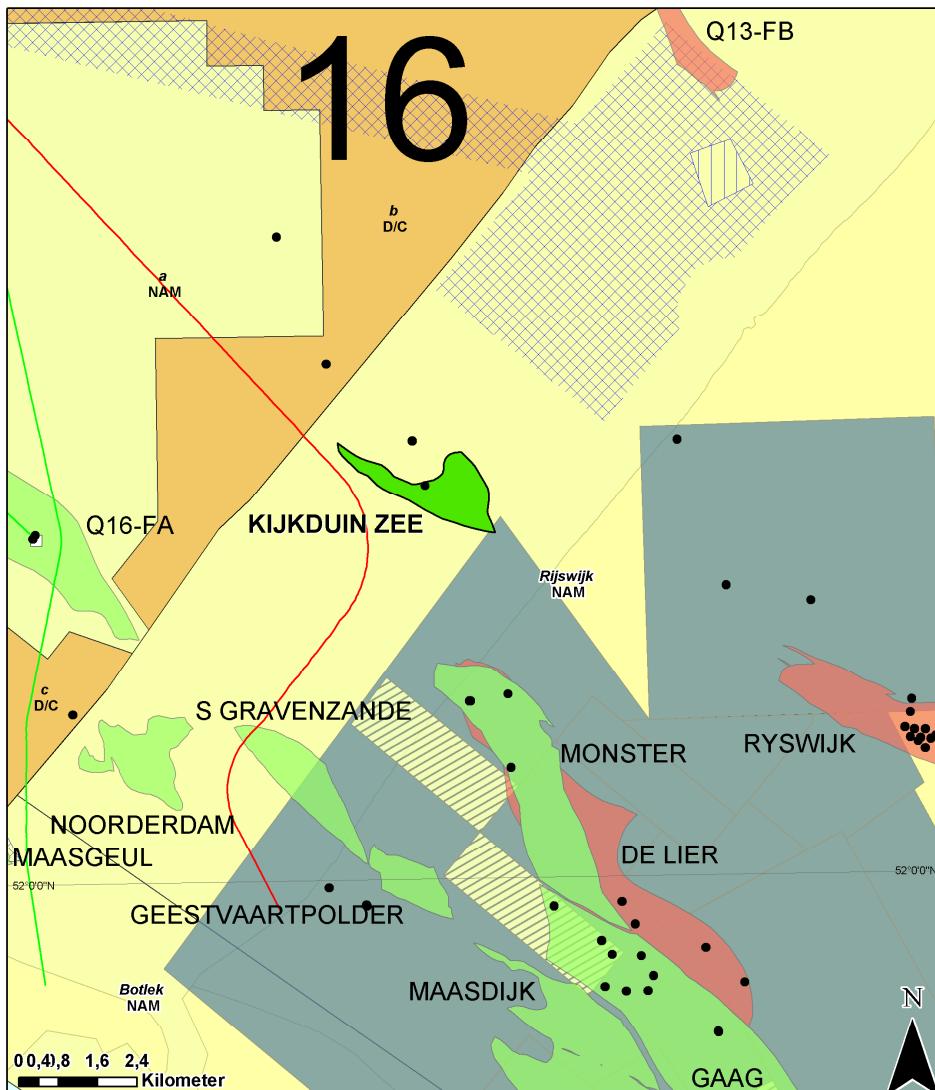
Ministerie van Economische Zaken



TNO Built Environment and Geosciences  
Geological Survey of the Netherlands

## Fact sheet Kijkduin-Zee

### Stranded fields - Q4 2009



#### Legend

- Oil & Gas wells
- Active platforms
- Oil pipeline
- Gas pipeline
- Gas field
- Oil field
- ▨ Protected area Wadden Sea
- ▨ Military restrictions

- ▨ Shipping lanes
  - ▨▨▨▨ Sea lane Hoek van Holland
  - ▨▨▨▨ Anchor area
  - ▨▨▨▨ Remaining areas
- ▨ Storage licences
  - ▨ Storage license
  - ▨▨ Application storage lic.

- ▨ Geothermal licenses
  - ▨ Geothermal license
  - ▨▨ Application geothermal lic.
- ▨ E&P licences
  - ▨▨ Exploration lic.; Production lic.
  - ▨▨ Production license
  - ▨▨ Exploration license
  - ▨▨ Exploration lic.; Application production lic.
  - ▨▨ Application prod. lic.
  - ▨▨ Application expl. lic.



Location map of the Kijkduin-Zee gas field

## ***General information***

The Kijkduin-Zee gas field was discovered in 1986 by NAM by well Kijkduin-Zee-02. The field contains gas in the Main Buntsandstein Subgroup sandstone. The gas field is situated within the territorial zone of the Rijswijk concession of NAM, near the coast of the Hague. It is located in the West Netherlands Basin. The Kijkduin-02 well shows gas in sandstones of the Lower Cretaceous and of the Main Buntsandstein Subgroup. Complete results of RFT's are available on the composite well log.

Regional information on the sedimentology and the structural configuration of the area is available in map sheet VII-VIII Noordwijk-Rotterdam, Amsterdam-Gorinchem.

## ***Sequence of events***

Date	Event
03-01-1955	Production license Rijswijk granted (NAM)
20-03-1957	Production license area expanded with ca 1900 km <sup>2</sup> (NAM)
07-06-1979	Production license area expanded with ca 25 km <sup>2</sup> (NAM)
22-04-1986	Spud date Kijkduin Zee-2 (NAM)
06-05-1986	RFT's 1050.0-3595.0 m ah
06-05-1986	RFT sample 1309.3 m ah (KN Lower Cretaceous)
29-05-1986	Sidetrack #1 (Kickoff 2380 m ah)
05/12-07-1986	RFT sample 3254.5 m ah (RBM Buntsandstein)
12/14-07-1986	RFT sample 3595.0 m ah (ROSL Rotliegend)
1986	TD reached 3775.0 m ah

## ***Plug data***

Depth m ah	Porosity %	Horizontal permeability mD	Grain density g/cm <sup>3</sup>	Stratigraphy
3255.1	13.8	28.1	2.652	RBMH
3256.9	17.5	210.5	2.65	RBMH
3259	7.1	1.5	2.671	RBMH
3260.2	11.2	43.6	2.666	RBMH
3260.8	13.5	367.1	2.672	RBMH
3262.3	15.6	233.9	2.661	RBMH
3262.9	13.2	30.9	2.661	RBMH
3265.6	14.8	183.5	2.655	RBMH
3265.9	15.9	598.2	2.665	RBMH
3266.2	9.4	2.5	2.674	RBMH
3269.5	7.3	8.8	2.678	RBMH
3269.8	16.8	1027.9	2.674	RBMH
3270.1	11.6	108.2	2.662	RBMH
3273.4	13.6	16.8	2.658	RBMH

*More detailed information of this interval is available*

## ***Reservoir data***

Geological unit RGD & NOGEPA (1993)	Top m ah	Base m ah	Net m ah	N/G %	Porosity %
Vlieland Sandstone Formation (KN)	1285.5 m ah	1857.0 m ah	60	10	8
Main Buntsandstein Subgroup (RBM)	3248.0 m ah	3408.0 m ah	121	76	10
Upper Rotliegend Formation (ROSL)	3578.0 m ah	3625.0 m ah	47	57	6.5

### **Volumes**

Reservoir	GIIP 10 <sup>9</sup> m <sup>3</sup>	Reserves 10 <sup>9</sup> m <sup>3</sup>		
		Proven	Expected	Possible
Main Buntsandstein Subgroup (RBM)	1 - 2		0 - 0,5	

### **Productivity**

Test depth	Reservoir pressure bar
RFT 1295.2 m-RT (KN)	143.6
RFT 1814 m-RT (KN)	179.0
RFT 3254.2 m-RT (RBM)	391.0
RFT 3595.0 m-RT (RO)	429.0
RFT 3619.5 m-RT (DC)	446.0

More RFT and information is available on the well log

### **Well status**

KDZ-02-s1: Plugged and abandoned

### **Infrastructure**

The nearest production facility is located approximately three kilometers to the south.

### **Public References**

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

TNO-NITG 2002. Geological Atlas of the Deep subsurface of the Netherlands. Map sheet VII: Noordwijk-Rotterdam, Kaarblad VIII: Amsterdam Gorinchem. Utrecht.

NAM 1987: Composite well log, KDZ-02. *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**

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