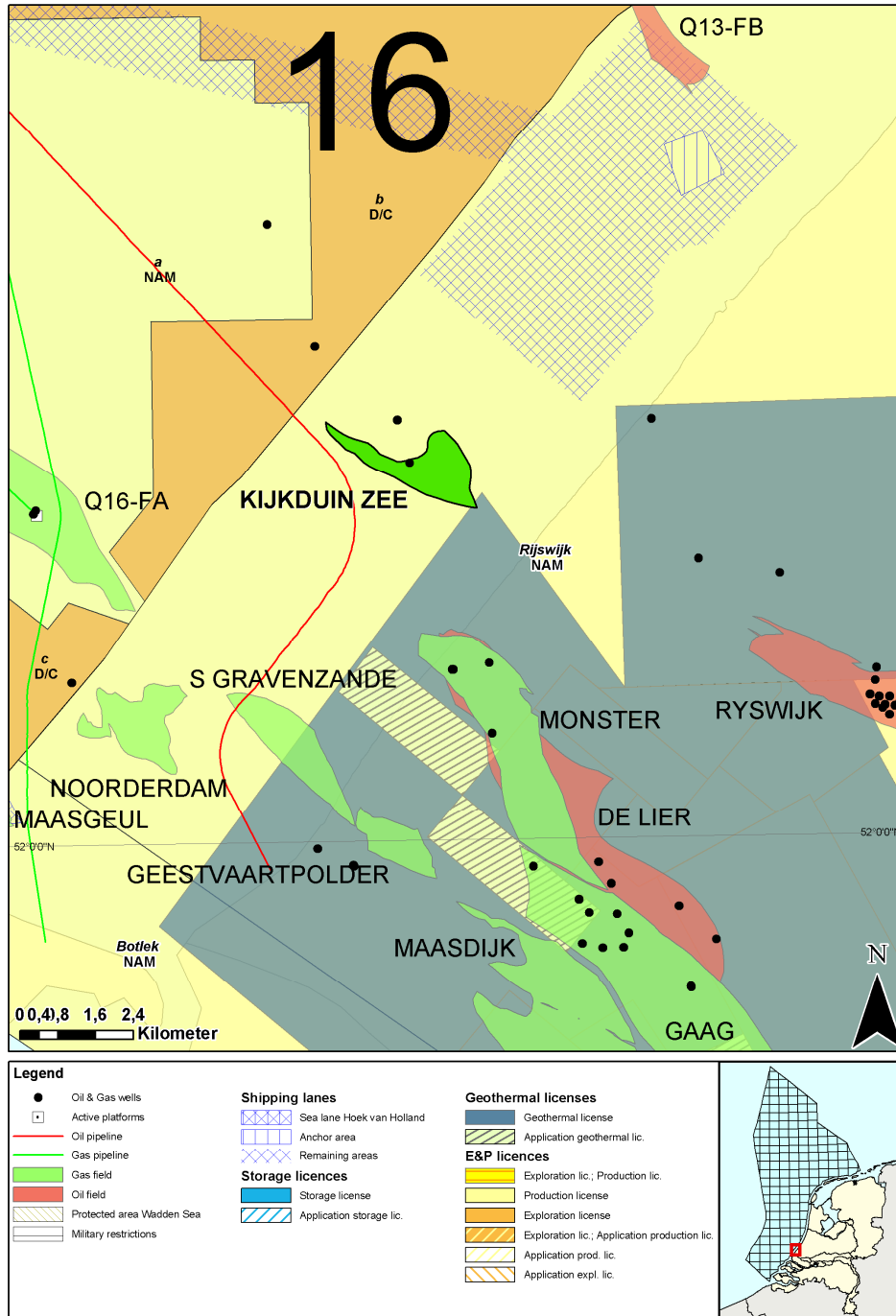




Fact sheet Kijkduin-Zee

Stranded fields - Q4 2009



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 ² (NAM)
07-06-1979	Production license area expanded with ca 25 km ² (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 ³	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 ⁹ m ³	Reserves 10 ⁹ m ³		
		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 & NOGPA 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

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