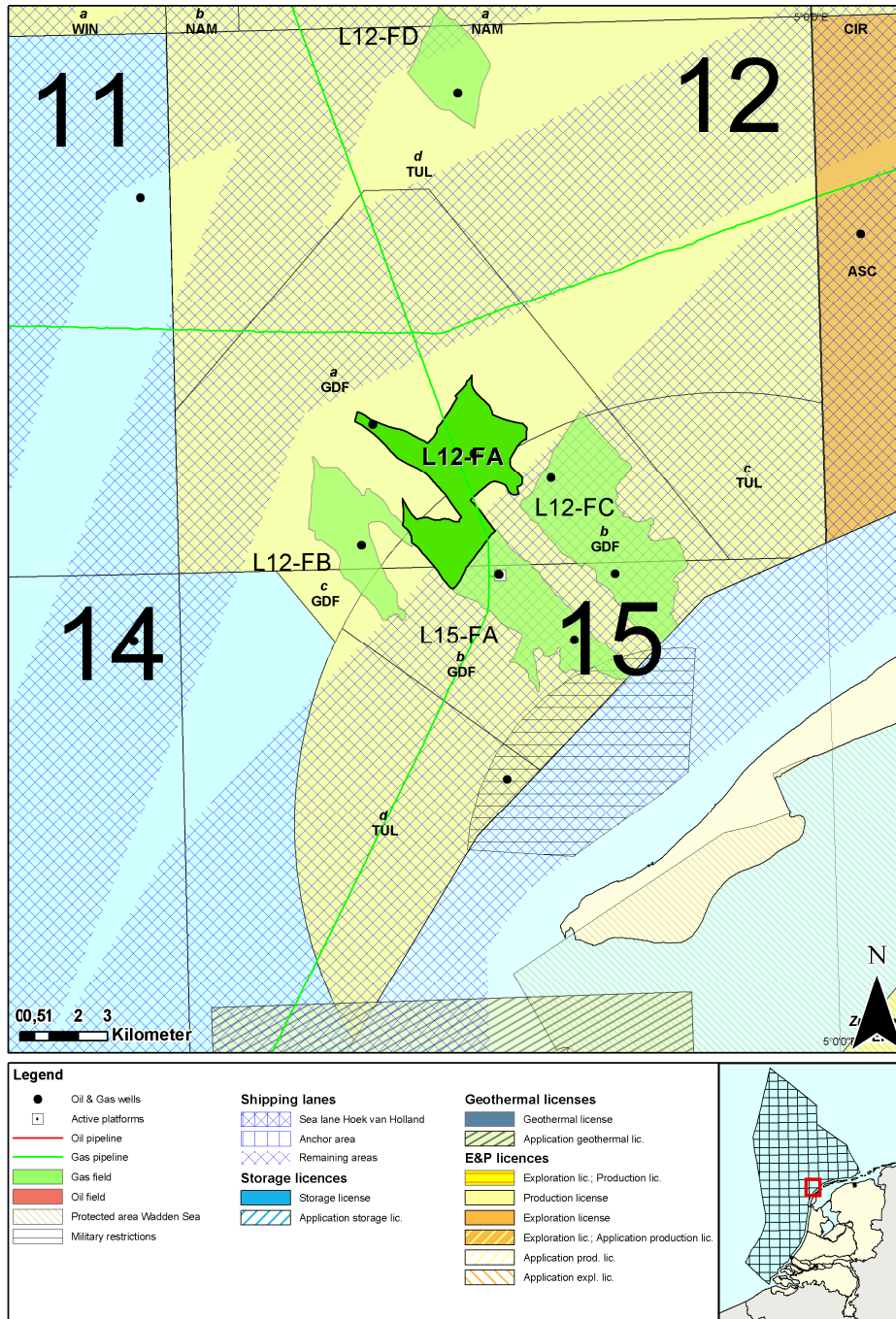




Fact sheet L12-FA field

Stranded fields - Q4 2009



Location map of the L12-FA gas field

General information

The L12-FA gas field is situated in the L12b concession. It was discovered in 1969 with exploration well L12-01, followed by appraisal well L12-04 in 1982. The gas is trapped in the Upper Slochteren Member (ROSLU), although gas also accumulated in the Ten Boer Claystone (ROCLT).

The field consists of a number of fault blocks. The reservoir is penetrated by two wells. The Upper Slochteren sandstone (ROSLU) reservoir comprises mainly of aeolian and fluvial sediments. The field has not been developed and currently lies in GDF acreage.

Sequence of events

Date	Event
12-03-1968	Exploration license L12a effective (NAM)
24-10-1968	Spud date well L12-01 (Signal)
Jan-1969	TD reached 3451 m ah
22-01-1969	Completion date well L12-01
13-04-1978	Exploration license L12b effective (NAM)
28-12-1982	Spud date well L12-04 (NAM)
10-02-1983	TD reached 3171 m ah
02-03-1983	Completion date well L12-04
19-03-1988	Production license L12b application by NAM
12-03-1990	Award production license L12a,b to NAM
06-08-2008	License L12b split up. L12b&L15b to GDF
25-09-2008	License L12a split up. L12a to GDF

Plug data

Depth m ah	Porosity %	Horizontal permeability mD	Grain density g/cm ³
2994	10.9	0.21	2.73
2995.2	14.5	0.78	2.7
2996.4	15.4	0.61	2.71
2997.6	6.1	0.12	2.75
2998.8	14.7	1.2	2.7
2999.1	15.7	1.3	2.7
2999.4	17.2	4.2	2.7
2999.7	15.2	1.1	2.7
3000	12.4	0.47	2.69
3001.2	13.2	0.49	2.72
3002.4	14.6	0.39	2.72
3003.6	14.2	0.31	2.71
3005.4	10.6	0.16	2.7

More detailed information of this interval (well L12-04) is available

Reservoir data

Geological unit	Top m ah	Base m ah	Net m ah	Porosity %	GWC m nap
RGD & NOGEPa (1993) Upper Slochteren Member (ROSLU)	2955	3025.8	42.3	10.8	3076.6

Hydrocarbon specifications

Reservoir	CH ₄ %	CO ₂ %	N ₂ %	GHV MJ/m ³
Upper Slochteren Member (ROSLU)	91,2	1,62	1,42	40,97

Volumes

Reservoir	GIIP in 10 ⁹ m ³	Reserves in 10 ⁹ m ³		
		Proven	Expected	Possible
Upper Slochteren Member (ROSLU)	2 - 4		0 - 0,5	

Well status

L12-01, Plugged and abandoned

L12-04, Plugged and abandoned

Infrastructure

The field is included in the L12/L15 Joint Development area (NOGAT gas pipe line) and is situated 4,3 km from the L15-FA platform.

Public References

RGD 1982, Economisch-geologische evaluatie van de aardgasreserves in de blokdelen L12a, L12b, L15a en L15b. Rapportnr 82RS18EX.

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

Signal 1969: Composite well log, L/12-1A. *On open file*

NAM 1983: Composite well log, L12-04. *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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