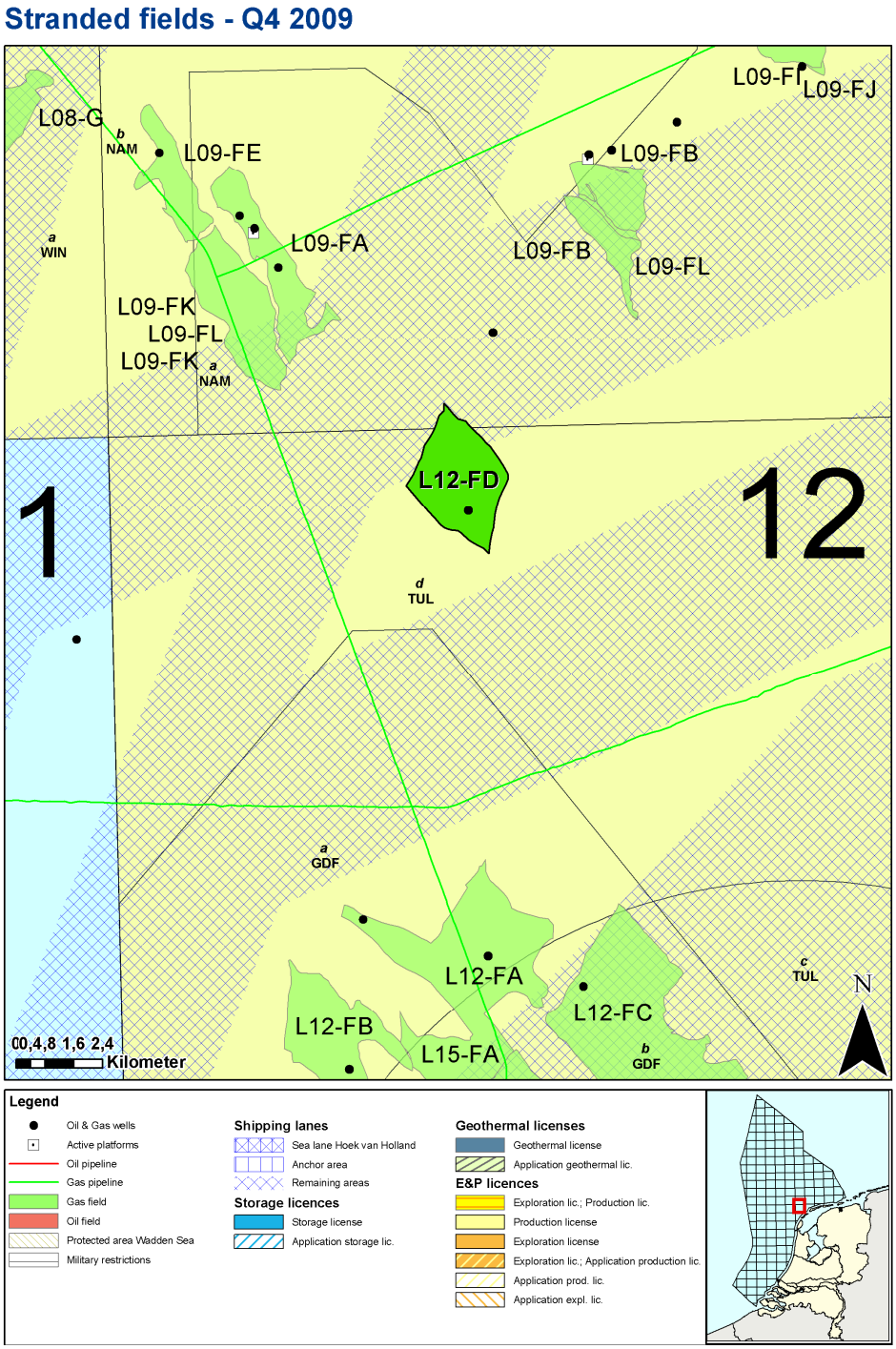
Fact sheet L12-FD field



Location map of the L12-FD field

General information

The L12-FD gas field is situated in the L12d concession (Tullow), straddling the boundary with L09a. It was discovered in 1988 with exploration well L12-05. The gas is trapped in the Slochteren Formation (ROSL). Complete results of RFT's are available on the composite well log.

The L12-FD field is fault bounded on all sides. The reservoir is penetrated by one exploration well. The Slochteren sandstone (ROSL) reservoir comprises mainly aeolian and fluvial sediments. The field has not been developed and currently lies in Tullow acreage.

Sequence of events

Date	Event
13-11-1987	Spud date well L12-05 (NAM)
08-01-1988	TD reached (3708 m ah)
18-12-1987 to 03-01-1988	RFT's 3095,7 - 3545,5 m ah
18-12-1987	RFT sample 3267,5 m ah (ROSLU)
21-12-1987	RFT sample 3127,3 m ah (ZEZ1C)
23/27-01-1988	Production tests (ROSLL & ROSLU)
02-02-1988	Completion date well L12-05
19-03-1988	Production license L12a application by NAM
11-03-1990	Award production license L12a to NAM
25-09-2008	License L12a split up in L12a (to GDF) and L12d (to Tullow)

Plug data

Depth m ah	**Porosity** %	**Horizontal permeability** mD	**Grain density** g/cm^3	**Stratigraphy**
3417.5	5.4	0.0001	2.722	ROCLA
3429.2	10.28	1.9	2.68	ROCLA
3430.1	14.1	4.7623	2.666	ROCLA
3430.4	13.2	3.8504	2.665	ROSLL
3430.7	19.96	59	2.6874	ROSLL
3430.8	15.9	26.7498	2.654	ROSLL
3431.2	6.7	0.0001	2.694	ROSLL
3432.4	17.03	31	2.7088	ROSLL
3432.6	14.8	13.4762	2.684	ROSLL
3432.8	8.4	0.0001	2.692	ROSLL
3434	12.1	3.1411	2.644	ROSLL
3434.5	7.9	0.0001	2.706	ROSLL

More detailed information of this interval (well L12-05) is available

Reservoir data

Geological unit RGD & NOGEPA (1993)	**Top** m ah	**Base** m ah	**Net** m ah	**Porosity** %	**Saturation** -	**GWC** m nap
Lower Slochteren Member (ROSLL)	3430	3438	8			
Upper Slochteren Member (ROSLU)	3260	3271	11			

Hydrocarbon specifications

Reservoir	**CH_4 %**	**CO_2 %**	**N_2 %**	**GHV** MJ/M^3
Slochteren Formation (ROSL)	86,5	1,5	1,5	44,1

Volumes

Reservoir	GIIP in 10^9 m^3	Reserves in 10^9 m^3		
		Proven	Expected	Possible
Lower Slochteren Member (ROSLL)	0,5 - 1		0 - 0,5	

Productivity

Reservoir	Interval m ah	Reservoir pressure in bar	Reservoir Temp. °C	CGR -	WGR -	Qmax m^3/d
Lower Slochteren Member (ROSLL)	3430 - 3438	482 (3390 m ah)	125	12	8	11 000
Upper Slochteren Member (ROSLU)	3261,5 - 3270,5	436 (3220 m ah)	117	2	3	114 000

More RFT and production test information is available on the composite well log

Well status

L12-05, Plugged and abandoned

Infrastructure

The NOGAT gas pipeline lies approximately 4,5 km to the west. The closest platforms are L09-B (gas facility) and L15-A which lie respectively approximately 8 kilometers to the northeast and 17 kilometers in southern direction.

Public References

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

SodM 1988, Proces-Verbaal nr. 647. (Official Report of the State Supervision of the Mines on the proven occurrence of gas/oil in a well)

NAM 1988: Composite well log, L12-05 *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 DINO*loket:*
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