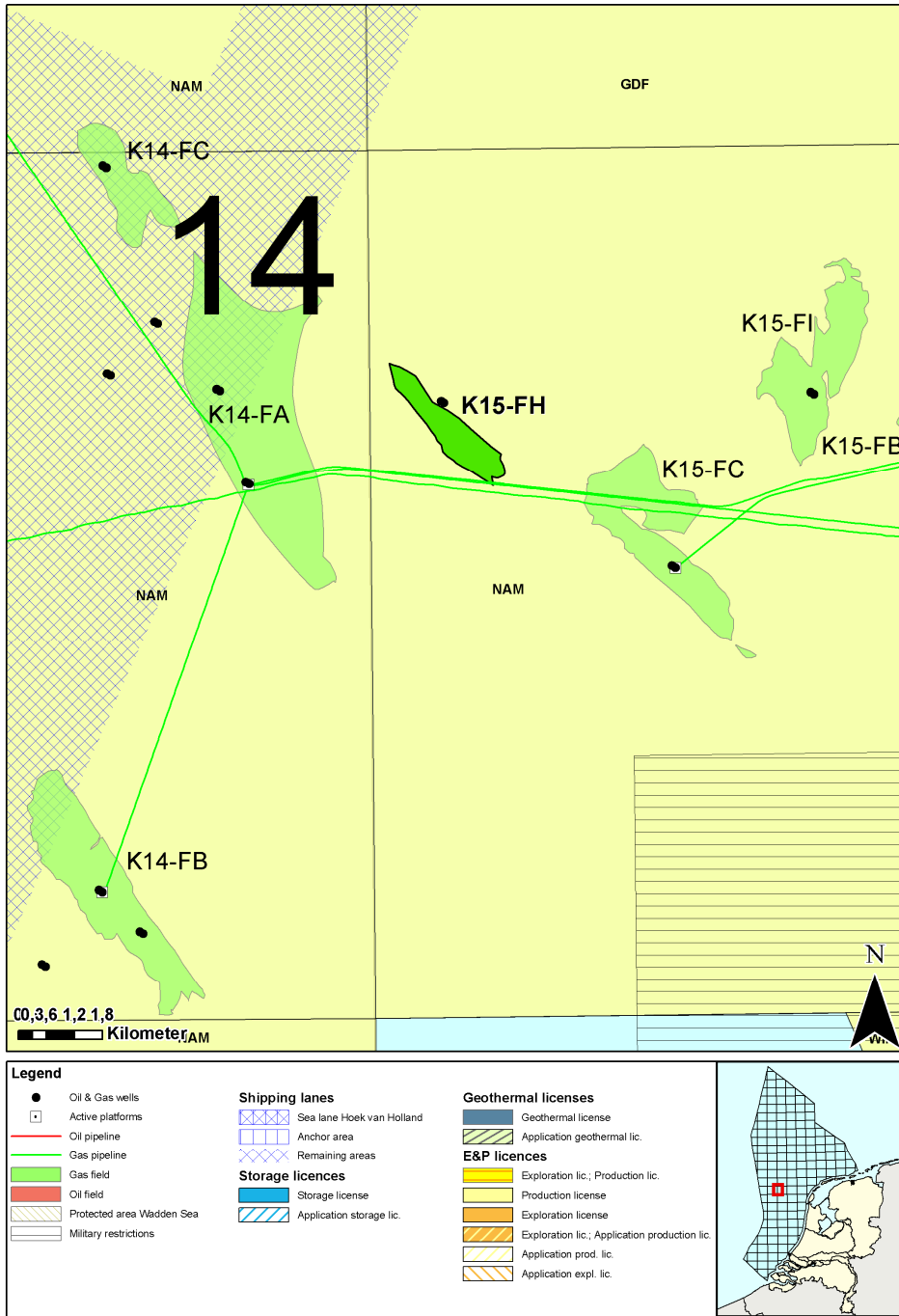




Fact sheet K15-FH

Stranded fields - Q4 2009



Location map of the K15-FH gas field

General information

The K15-FH gas field was discovered in 1992 by NAM by well K15-13. It is situated in the K15 production license (NAM). The field is located in the Broad Fourteens Basin. The gas is trapped in the sandstones of the Slochteren Formation (ROSL), beneath the Zechstein salt.

The structure consists of a tilted Rotliegend fault block and is situated beneath a large Zechstein salt dome. The Slochteren sandstones (ROSL) reservoir comprises mainly aeolian sediments and fluvial sediments. The field has not been developed and currently lies in NAM acreage.

Sequence of events

Date	Event
04-10-1977	Production license K15 effective (NAM)
28-10-1991	Spud date K15-13
16-12-1991	TD reached 3576 m ah
20-01-1992	Sidetrack #1 (Kickoff 2938 m ah)
03-02-1992	TD reached 3700 m ah
16/19-02-1992	Production tests (ROSL)

Reservoir data

Geological unit RGD & NOGEPA (1993)	Top m ah	Base m ah	Net m ah	N/G %	Porosity %
Rotliegend Formation (ROSL)	3513	3545	32	100	

Taken from well log

Hydrocarbon specifications

Reservoir	CH ₄ %	CO ₂ %	N ₂ %	H ₂ S %	GHV MJ/m ³
Slochteren Formation (ROSL)	90,7	4,45	2,15	0	41

Volumes

Reservoir	GIIP 10 ⁹ m ³	Reserves 10 ⁹ m ³		
		Proven	Expected	Possible
Slochteren Formation (ROSL)	0,5 - 1,0			

Productivity

Stratigraphic interval	Interval TVD	Reservoir pressure in bar abs	CGR m ³ / 10 ⁶ m ³	WGR m ³ / 10 ⁶ m ³	Q well production at s.c. m ³ /d	Drawdown bar
Slochteren Formation (ROSL)	3386 - 3418,5				603 000 → 321 000*	50

*Flowrate gradually decreased from 603 000 m³/day to 321 000 m³/day

Well status

K15-13-s1: Plugged and abandoned

Infrastructure

The nearest platform is: K14-A-1 of NAM, about four kilometers to the west. The nearest pipeline is located on the southern boundary of the field.

Public References

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

NAM 1992: Composite well log, K15-13/13A. *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/NCPI.html

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