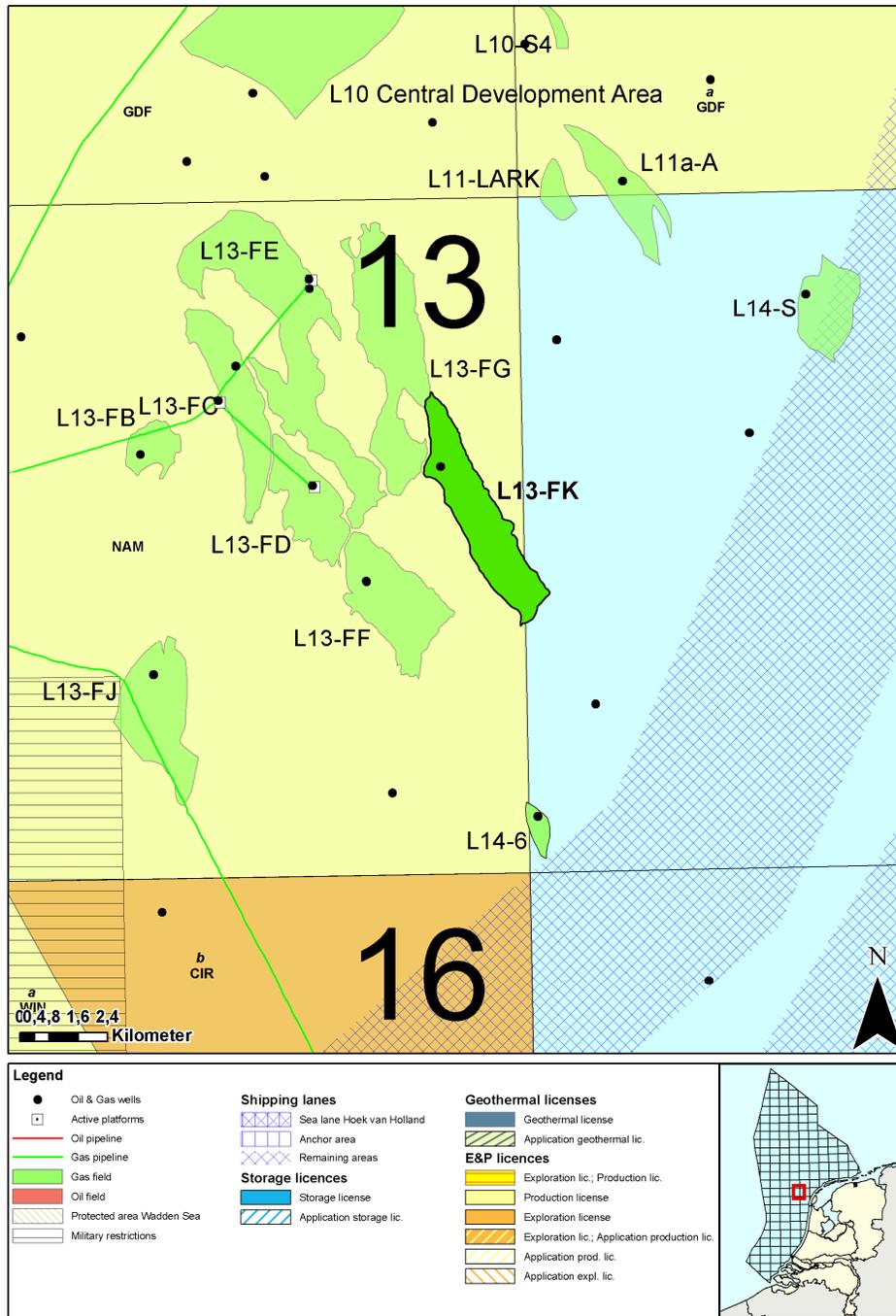




Fact sheet L13-FK

Stranded fields - Q4 2009



Location map of the L13-FK gas field

General information

The L13-FK gas field was discovered in 1994 by NAM by well L13-17. It is situated in the L13 production license (NAM), straddling the boundaries of the L14 block. The field is located on the boundaries of the Noord-Holland platform and the Central Offshore platform. The gas is trapped in the sandstones of the Upper Slochteren Member (ROSLU), beneath the clay of the Ten Boer Member (ROCLT). Complete results of FMT's are available on the composite well log.

The structure is a fault block, separated from field L13-FG by NE-SW faults. The sandstones of the Slochteren Formation (ROSL) comprise mainly aeolian sediments and fluvial sediments. The field has not been developed and mainly lies in NAM acreage, with a minor part in open area.

Sequence of events

Date	Event
26-10-1977	Production license L13 effective (NAM)
05-07-1994	Spud date L13-07 (NAM)
29-07-1994	TD reached 3582 m ah
30-07-1994	FMT's 3267 - 3514,9 m ah
30-07-1994	FMT sample 3299,1 m ah (ROSLU)
10/13-12-1995	Production tests (RO)

Plug data

Depth m ah	Porosity %	Horizontal permeability mD	Grain density g/cm ³
3271.1	8.2	0.45	2.705
3272.85	13	2.45	2.725
3274.4	11.3	0.25	2.68
3279.43	18	8.23	2.693
3279.8	13.5	0.64	2.677
3290.5	10	0.68	2.675
3290.77	21.1	726.11	2.691
3291.11	10.7	1.02	2.69
3294.05	9.6	0.77	2.683
3299	13.8	7.1	2.677
3299.3	14	11.1	2.686
3300.5	11.3	1.53	2.68
3309.05	8.5	0.11	2.686
3322.9	18.3	6.53	2.669
3325	15.9	1.55	2.67

More detailed information of this interval is available

Reservoir data

Geological unit	Top m ah	Base m ah	Net m ah	N/G %	Porosity %
RGD & NOGEP (1993) Upper Slochteren Member (ROSLU)	3263	3406	± 125	± 90	5-10

From CWL

Hydrocarbon specifications

Reservoir	CH ₄ %	CO ₂ %	N ₂ %	H ₂ S %	GHV MJ/m ³
Upper Slochteren Member (ROSLU)	84,77	2,23	2,73	0	42,35 (0 °C)

Volumes

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

Productivity

Stratigraphic interval	Interval m ah	Reservoir pressure in bar abs	CGR m ³ / 10 ⁶ m ³	WGR m ³ / 10 ⁶ m ³	Q well rodution at s.c. m ³ /d	Drawdown bar
Upper Slochteren Member (ROSLU)	3249 - 3302	362 (3250 m ah)	-	71,8	< 20000	50

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

Well status

L13-07: Closed-in

Infrastructure

The nearest platform is: L13-FD-1 of NAM, about three kilometers to the west. The nearest pipeline is also located at this platform.

Public References

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

NAM 1994: Composite well log, L13-17. *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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