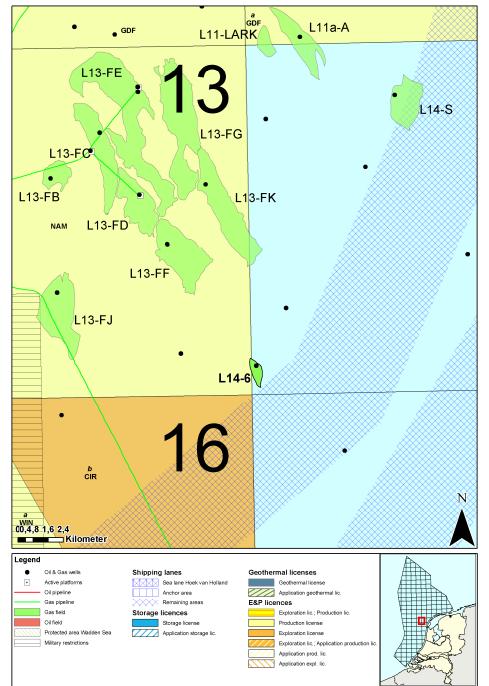




TNO Built Environment and Geosciences Geological Survey of the Netherlands

Fact sheet L14-FB

Stranded fields - Q4 2009



Location map of the L14-FB (=L14-6) gas field

General information

The L14-FB gas field was discovered in 1991 by NAM by well L14-06. It is situated in the L14 block, straddling the boundaries of the L13 production license (NAM). The field is located on the Noord-Holland 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 RFT's are available on the composite well log.

The sandstones of the Slochteren Formation (ROSL) comprise mainly aeolian sediments and fluvial sediments. The field has not been developed and mainly lies in open area, with a minor part in NAM acreage.

Date	Event
15-10-1970	Exploration license L14 granted (Placid)
26-10-1977	Production license L13 effective (NAM)
19-11-1990	Production license L14 effective (Placid)
11-11-1990	Spud date L14-06 (NAM)
20-12-1990	TD reached 3376 m ah
27-12-1990	RFT's in ROSLU and ROSLL (3089,0 – 3317,0)
11/12-01-1991	Production test ROSLU (3125,0 – 3080,0 m ah).
19-01-1991	Well L14-06 completed and suspended.
18-12-1998	Production License L14 splitted to L14a (TransCanada)
2001	Partial relinquishment L14a (GDF)
22-12-2005	Relinquishment L14a (GDF)

Sequence of events

Plug data

Depth m ah	Porosity %	Horizontal permeability mD	Grain density g/cm ³	Stratigraphy	
3068.25	4	0.01	2.7	ROCLT	
3077.8	15.3	12.27	2.678	ROCLT	
3078.1	8.9	0.16	2.669	ROCLT	
3088.3	12	0.16	2.671	ROSLU	
3088.9	15	5.56	2.673	ROSLU	
3107.75	9.2	0.46	2.688	ROSLU	
3108.05	20.2	271.65	2.67	ROSLU	
3108.4	24.7	941.39	2.648	ROSLU	
3108.7	13.4	9.41	2.679	ROSLU	
3122.9	10	0.28	2.68	ROSLU	
3145.1	19.2	16.52	2.658	ROSLU	
3145.4	17.4	3.48	2.661	ROSLU	
3155.9	14.9	1.86	2.658	ROSLU	
3156.2	19.5	11.55	2.666	ROSLU	
3156.5	14	0.91	2.664	ROSLU	
3190.8	5.9	0.08	2.673	ROSLU	
3191.4	16.4	16.44	2.663	ROSLU	
3192	7.7	0.11	2.684	ROSLU	
3207.3	12.6	1.16	2.668	ROSLU	

More detailed information of this interval is available

Reservoir data

Geological unit	Top	Base	Net	N/G	Porosity
RGD & NOGEPA (1993)	m ah	m ah	m ah	%	%
Upper Slochteren Member (ROSLU)	3079	3236	± 150	± 95	5 - 10

From CWL

Hydrocarbon specifications

Reservoir	CH4 %	CO ₂ %	$N_2 \%$	H ₂ S %	GHV MJ/m ³
Upper Slochteren Member (ROSLU)	90	1	3	0	40 (0 °C)

Volumes

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

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 roduction at s.c. m ³ /d	Drawdown bar
Upper Slochteren Member (ROSLU)	3080 - 3125	336,1 (3050 m ah)	-	-	146 000	50

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

Well status

L14-06: Closed-in

Infrastructure

The nearest platform is: L13-FD-1 of NAM, about ten kilometers to the northwest. The nearest pipeline (shortest distance rectangular to the pipeline) is located approximately eight kilometers to the west.

Public References

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

NAM 1991: Composite well log, L14-6. 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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