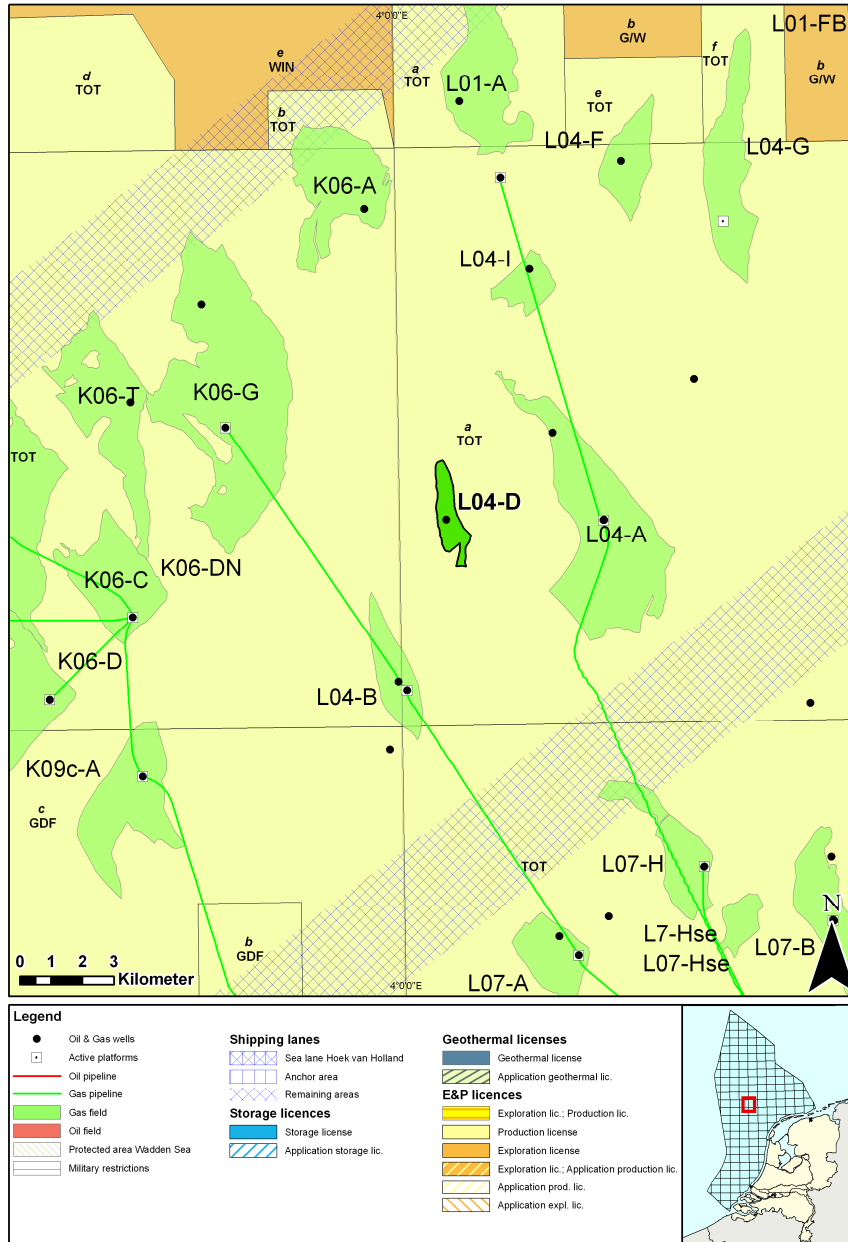




Fact sheet L04-D

Stranded fields - Q4 2009



Location map of the L04-D gas field

General information

The L04-D gas field was discovered in 1981 by ELF Petroland by well L04-03. It is situated in the L04a production license of Total. The field is located in the Central offshore platform. Gas is trapped in the sandstones of the Slocheren Formation (ROSL), below the clays of the Silverpit Formation. Complete results of RFT's are available on the composite well log.

The field is undeveloped and currently lies in Total acreage.

Sequence of events

Date	Event
12-10-1970	Exploration license F06, L04 effective (Petroland)
01-11-1980	Spud date L04-03
31-01-1981	TD reached (3830 m ah)
Jan/Feb-1981	RFT's 3698 - 3764,5 m ah
13-02-1981	Production test (ROSL)
30-12-1981	Production license L04a effective (Petroland)

Plug data

Depth m ah	Porosity %	Horizontal permeability mD	Grain density g/cm ³
3710	12.7	9.15	2.66
3711	14.6	5.09	2.68
3711.05	15.7	25.4	2.67
3711.25	13.6	2.18	2.68
3720	13.87	6.3	2.67
3730.05	6.47	0.18	2.69
3731.25	14.83	58.6	2.67
3731.44	11.69	1.97	2.68
3731.74	15.02	27.9	2.68
3732.28	15.61	44.8	2.66
3732.48	16.32	82.9	2.67
3732.75	15.25	25.4	2.67

More detailed information of this interval is available

Reservoir data

Geological unit RGD & NOGEPa (1993)	Top m ah	Base m ah	Net m ah	N/G %	Porosity %
Slochteren Formation (ROSL)	3697	3776	± 50	± 65	10-15

From CWL

Hydrocarbon specifications

Reservoir	CH ₄ %	CO ₂ %	N ₂ %	H ₂ S %	GHV MJ/m ³
Slochteren Formation (ROSL)	85,59	1,77	6,06	0	38,95

Volumes

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

Productivity

Test depth	Wellhead pressure in bar abs	Condensate production m³/d	Water production m³/d	Q well production at s.c. m³/d	Drawdown bar
Slochteren Formation (ROSL)	89,5	0,66	3,31	315 280	

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

Well status

L04-03: Closed-in

Infrastructure

The nearest platform is: L04-A of Total, five kilometers to the east. The nearest pipelines (shortest distance rectangular to the pipeline) lie within five kilometers to the west and east.

Public References

- RGD 1980, Economisch-geologische evaluatie van de aardgasreserves in blok L/4, Report RGD 80RS27EX. (*Screened version*)
RGD & NOGPA 1993, Stratigraphic nomenclature of the Netherlands, Mededelingen Rijks Geologische Dienst, Nr. 50
SodM 1982, Proces-Verbaal nr. 4298. (Official Report of the State Supervision of the Mines on the proven occurrence of gas/oil in a well)

ELF Petroland 1981: Composite well log, L4-3. *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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