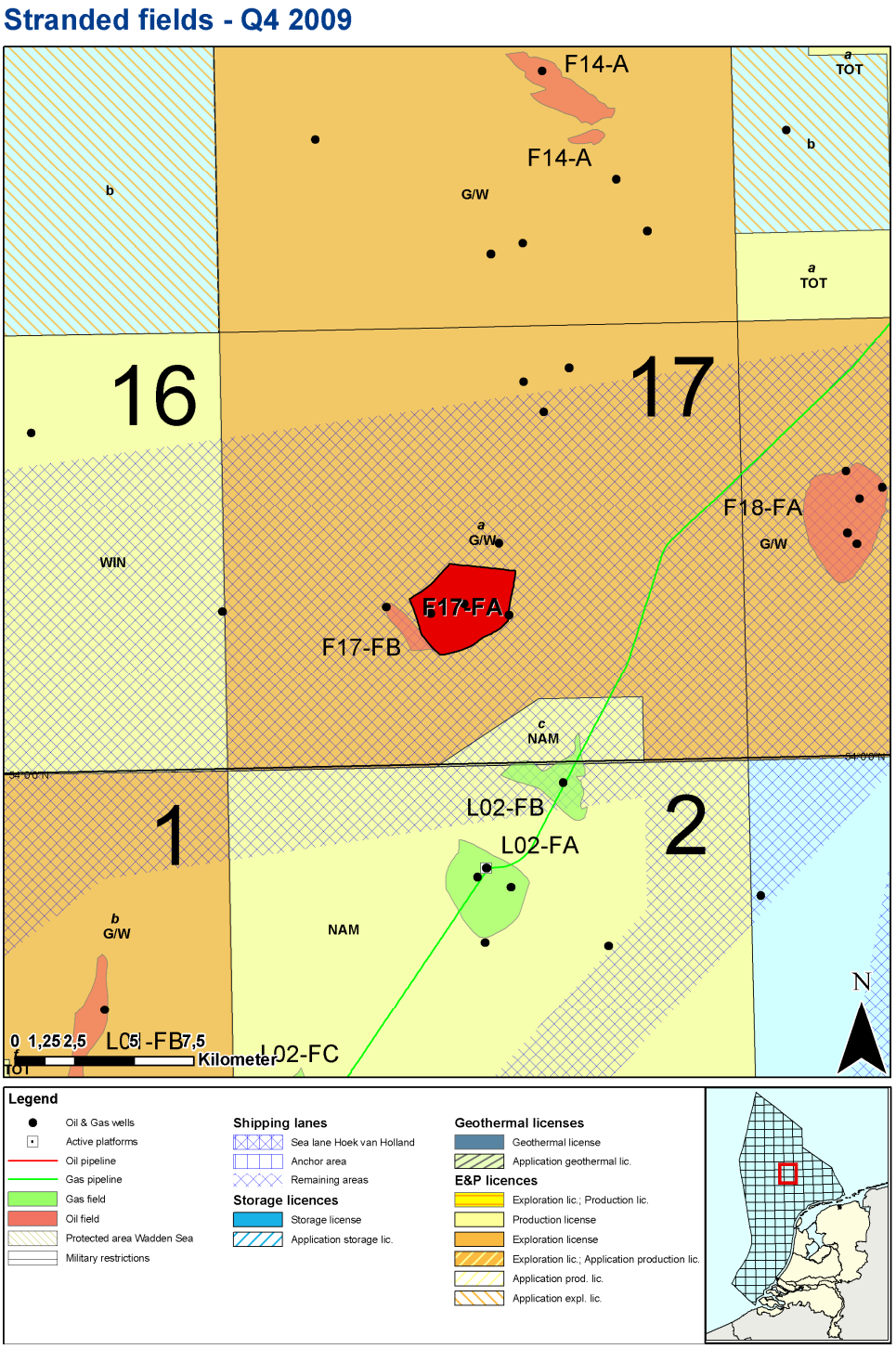
Fact sheet F17-FA field



Location map of the F17-FA field

General Information

The F17-FA oil field was discovered in 1982 with exploration well F17-03. Appraisal wells F17-05 and F17-07 were drilled in 1983 and 1984, respectively. F17-05 was dry, whereas F17-07 struck oil. The oil is contained in the clastic reservoirs of the Central Graben Subgroup (SLC) of Late Jurassic age. The field has not been developed and currently lies in the exploration license of Wintershall.
Data presented in this fact sheet are partly taken from an evaluation study on the oil occurrences in the F17a block. This study was compiled by TNO-NITG on behalf of the MEA in 1986.

The F17-FA field is situated in the axial zone of the Central North Sea Graben. Here, thick and complete Triassic and Jurassic strata are present, but Cretaceous strata are absent or strongly reduced due to the Laramic inversion. The reservoir rock consists of thin and discontinuous deltaic sandstones in the Central Graben Subgroup of Late Jurassic age. To the north, the field is bounded by faults and to the west by a structural dip and possibly a fault.

Sequence of events

Date	Event
04-03-1968	Award exploration license F17 to NAM
08-03-1968	Exploration license F17 effective
08-03-1978	Relinquishment of area F17b effective
12-03-1982	Spud date well F17-03 (NAM)
10-05-1982	Completion date well F17-03
24-02-1983	Production license application F17a by NAM
29-06-1984	Spud date well F17-07 (NAM)
04-08-1984	Completion date well F17-07
22-01-1996	Withdrawal of production license application F17a by NAM and subsequent expiration of exploration license F17a
15-07-2005	Exploration license F17a effective (WIN)
20-11-2008	Exploration license extended with two years

Reservoir data

Geological unit RGD & NOGEPA (1993)	**Interval** m TVD/MSL	**Net oil sand** m	**Av. Por.** %	**Av. So** %	**Pressure** bara at m TVD/MSL	**Temp.** ℃ at m TVD/MSL
SLC (F17-03)	1835-2010	23	27	63	258 at 1980	86 at 1967 m
SLC (F17-07)	2057-2167	15	28	63	300 at 2076	

Contacts

Top structure m TVD/MSL	**ODT** m TVD/MSL
Approx. 1750	2093

Hydrocarbon specifications

Gas properties

Reservoir	**CH_4** %	**CO_2** %	**N_2** %	**H_2S** %	**GHV** MJ/m3	**Density** Rel. to air
Central Graben Subgroup[1]	84.31	0.66	1.19	0	46.06	0.680

[1]Characteristics of associated gas

Oil properties

Reservoir	**API grav.** at 60 ºF	**GOR in** m^3/m^3
	30.6	148

Volumes

Oil

STOIIP 10^6 m^3 st			Reserves 10^6 m^3 st		
P90 (1P)	**Exp.**	**P10 (3P)**	**P90 (1P)**	**Exp.**	**P10 (3P)**
	12.1		0.6	2.7	4.9

Associated gas

GIIP 10^9 m^3 st			Reserves 10^9 m^3 st		
P90 (1P)	**Exp.**	**P10 (3P)**	**P90 (1P)**	**Exp.**	**P10 (3P)**
	1.8		0.3	1.2	2.6

Productivity

Test depth	**Reservoir pressure** in bar abs	**Q** well production at s.c. m^3/d	**Drawdown** bar
Central Graben Subgroup 2013-2016 m-RT	248.1	510 (oil)	10.0
Central Graben Subgroup 2013-2016 m-RT	248.1	67650 (gas)	17.3
Central Graben Subgroup 1933-1945 m-RT		51020 (gas)	18.1

Well status

F17-03: plugged and abandoned
F17-05: plugged and abandoned
F17-07: plugged and abandoned

Infrastructure

The nearest platform is: L2-FA at 11 km. The nearest gas pipeline (shortest distance rectangular to the pipeline): NOGAT at 7 km.

Public References

RGD 1983, Petrofysische evaluatie van F17-03, RGD Internal report no. 82PT35. (Internal Petrofysical report F17-03.)
RGD 1985, Petrofysische evaluatie van F17-07, RGD Internal report no. 85RES01. (Internal Petrofysical report F17-07.)
RGD 1986, Geologisch-technische evaluatie van de olievoorkomens in het F17a-blok, Report RGD 86ADV17. (Advice production license application F17a. *Screened version on open file.)*
SodM 1982: Proces-Verbaal nrs. 5081 and 11.648. (Official Report of the State Supervision of the Mines on the proven occurrence of gas/oil in a well)
SodM 1984: Proces-Verbaal nr. 10.330. (Official Report of the State Supervision of the Mines on the proven occurrence of gas/oil in a well)

Composite well log F17-03. *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

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