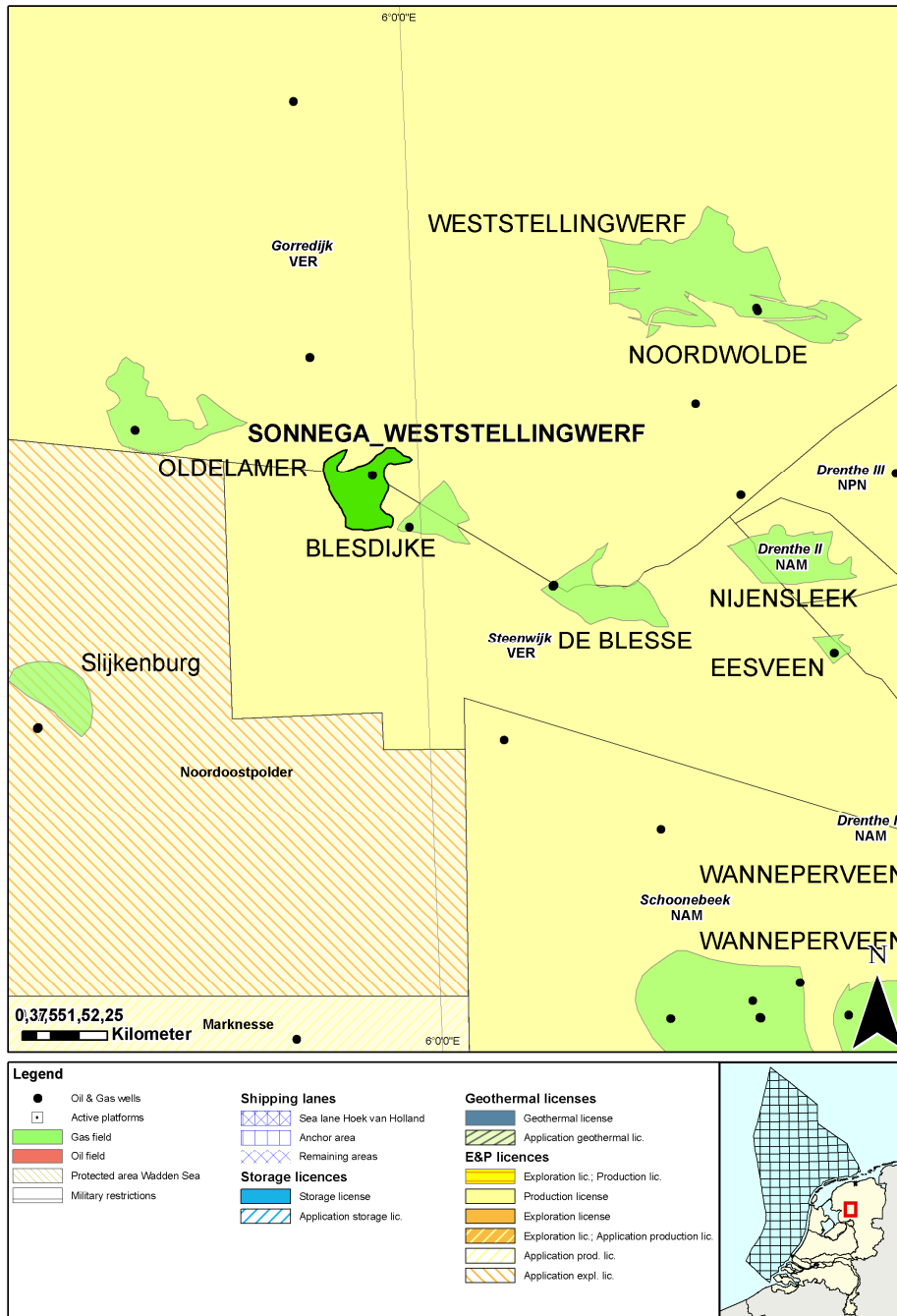




Fact sheet Sonnega Weststellingwerf

Stranded fields - Q4 2009



Location map of the Sonnega Weststellingwerf gas field

General information

The Sonnega Weststellingwerf gas field was discovered in 1963 by NAM by well Sonnega-weststellingwerf-01. It is currently situated within two concessions of Vermilion: Gorredijk (north) and Steenwijk (south). The field is located on the Friesland Platform.

Gas is contained in the Upper Rotliegend Group (RO); a secondary target is the Zechstein group (ZE).

Regional information on the sedimentology and the structural configuration of the area is available in map sheet V: Sneek-Zwolle.

Sequence of events

Date	Event
25-02-1963	Spud date Sonnega-weststellingwerf-01
19-02-1963	TD reached 1982.5.0 m ah
03-05-1963 to 28-07-1963	Production tests 1810,5 - 1880 m ah (RO & ZE)
29-07-1989	Elf Petroland production license Gorredijk
05-09-1994	NAM Production license Steenwijk
19-06-1998	Transfer license Steenwijk to Elf Petroland
19-05-2004	Transfer license Gorredijk to Vermilion
19-05-2004	Transfer license Steenwijk to Vermilion

Plug data

Depth m	Porosity %	Hor. Permeability mD	Ver. Permeability mD	Density g/cm ³
1800.1	0.2			2.95
1810	3.5	0.5		2.75
1812	28	76		2.81
1815	16	10		2.81
1875.4	27	960		2.64
1875.7	27	1170	813	2.63
1877	28	1520		2.64
1877.6	26	510		2.64
1877.9	26	594	378	2.64
1879.2	26	1130		2.64
1882.1	28	1617		2.63
1882.4	29	2100		2.63
1883	22	220	30	2.65
1883.4	27	1050		2.63
1885.6	23	193	213	2.65
1887.5	25	420	203	2.66
1889.3	24	1910		2.66
1891.1	21	164	98	2.67
1893.8	26	487	389	2.66
1896.3	25	467	430	2.65
1901.2	25	796	500	2.65
1902.8	26	714		2.65

More detailed information of this interval is available

Hydrocarbon specifications

Reservoir	CH₄ %	CO₂ %	N₂ %	H₂S %	GHV MJ/m³
Upper Rotliegend Group (RO)	86.2	0.6	8.4	-	35.17

Well status

Well SOW-01 is plugged and abandoned.

Infrastructure

The gas field is located between the producing fields Oldelamer (west) and Blesdijke (east). Both fields are produced by Vermilion. The nearest production facility is located approximately sixteen kilometers to the southeast.

Public References

RGD 1995. Geological Atlas of the Deep subsurface of the Netherlands. Map sheet V: Sneek-Zwolle. Haarlem.

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

SodM 1963, Proces-Verbaal nr. 4638. (Official Report of the State Supervision of the Mines on the proven occurrence of gas/oil in a well)

Vermilion 1963: Composite well log, [Sonnega Weststellingswerf-01](#). *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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