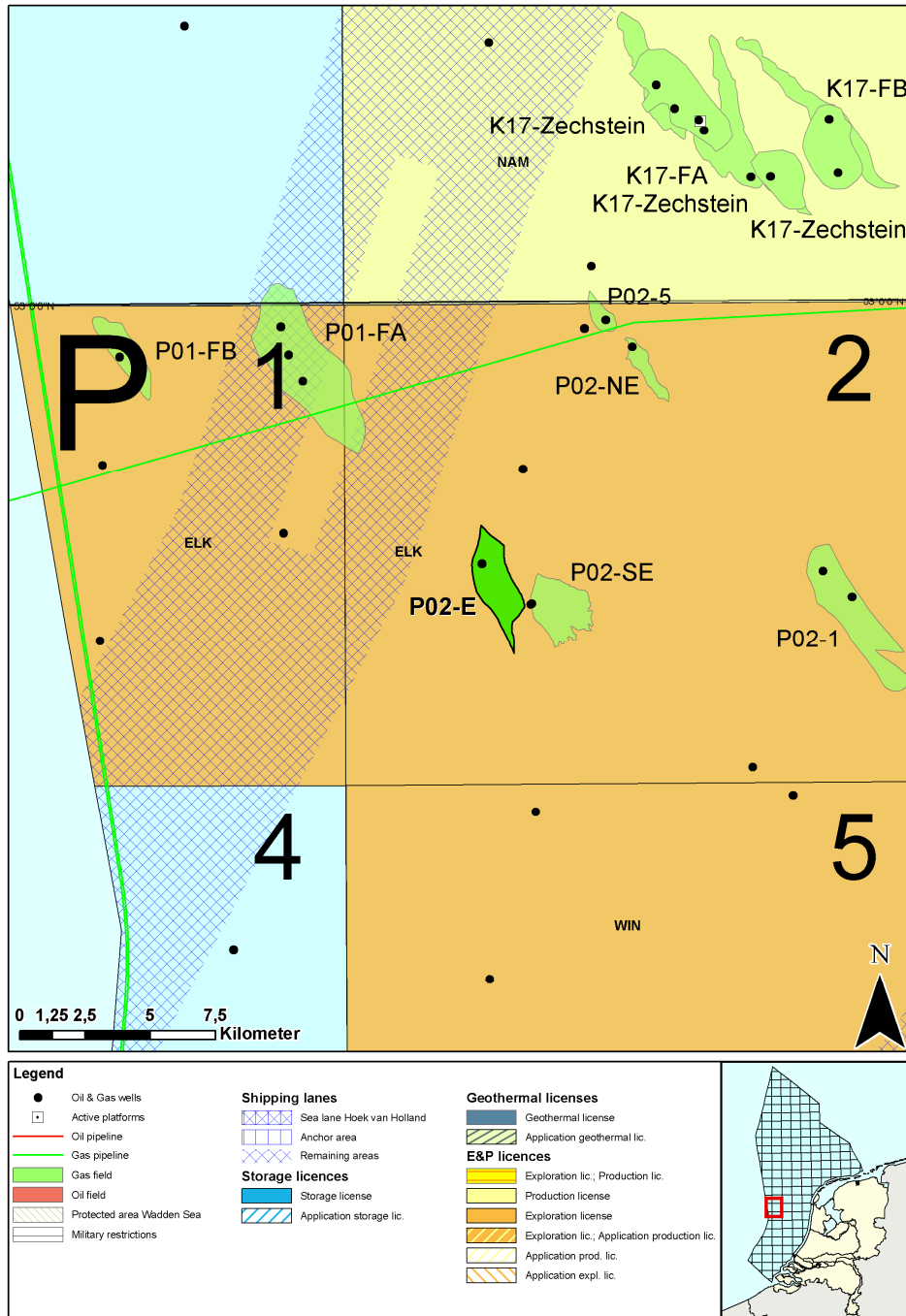




Fact sheet P02-E field

Stranded fields - Q4 2009



Location map of the P02-E field

General Information

The P02-E gas field was discovered in November 1987 with well P02-08. The well was drilled as an appraisal well on the P02-07 structure (P02-SE field) but it is agreed that P02-E is a separate structure, based on differences in GWC/GDT and gas composition.

The structure consists of a horst block bounded by faults in all directions. The Rotliegend reservoir is composed of thick sequences of stacked aeolian dune sands alternated by interdune and fluvial/lacustrine deposits. It is believed that pervasive cementation by authigenic illite, dolomite and anhydrite has significantly reduced permeability. The gas originates from Late-Carboniferous deposits and top seal is provided by evaporates from the Zechstein.

The field was never developed and the current lies in the P02 block of Elko Energy

Sequence of events

Date	Event
10 April 1968	Exploration licence Block P02 awarded to Tenneco as part of the 1 st Round
22 April 1977	BP acquired Tenneco's interest in the Exploration licence
6 April 1978	Eastern part of the P02 block (P2b) relinquished
8 April 1983	BP Production licence application P/2a (The PLA focused on the P02-NE field only)
Aug-Nov 1987	Drilling of discovery well P02-08
23 July 1996	P/2a Production licence awarded to Clyde (The PLA focused on the P02-NE and P02-SE fields only)
18 September 2003	Merger Clyde with Wintershall
2005	Relinquishment
22-02-2008	Elko Energy exploration license P02

Reservoir data

Geological unit RGD & NOGEPa (1993)	Reservoir m TVD ss	N/G %	Av. porosity %	Saturation Sw %
Slochteren Sst above the GWC	3236.3-3329.4	76	13.3	45.6
Slochteren Sst below the GWC	3329.4-3464.4	74	15.2	
Slochteren Sst	3236.3-3464.4	75	14.4	82.3

Porosity cut-off 6%

Contacts

Reservoir	GDT m TVD ss	GWC m TVD ss
Slochteren Sst	3318	3329.4

Hydrocarbon specifications

Reservoir	CH ₄ %	CO ₂ %	N ₂ %	GHV MJ/m ³	Density relative to air
Slochteren Sst	83.8	11.1	1.7	35.8	0.69

Volumes

Reservoir	GIIP 10 ⁹ m ³ st	Reserves 10 ⁹ m ³ st
Slochteren Sst	2.5	0.627

Productivity

Reservoir	Test	Result
Slochteren Sst	DST #2b	5.6 MMSCFD / Duration 11h / 48/64" choke / WHFP 441 psi

Well status

Well P02-08 was suspended at the time (1987). The current status is likely to be plugged and abandoned.

Infrastructure

The nearest gas production platform is K17-FA-1 owned by NAM. It is located 18 kilometers to the northeast.

Public References

RGD: Petrofysische Evaluatie t.b.v. de Winningsvergunningaanvraag P02a.

Rapportnummer 88 ADV 10. Haarlem, juni 1988

RGD: P2a Archief file WIVA 1995. Haarlem, 1995

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

P02-08: Composite log. *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/NCPI.html

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