



General information

Lithostrat. unit	ALGE MBR
NPDID lithostrat. unit	202
Level	MEMBER
Lithostrat. unit, parent	HEKKINGEN FM

Description

Alge Member

Name

Norwegian for “alga”.

Well type section

Norwegian well [7119/12-1](#) coordinates N 71°6'08.00" E 19°47'40.29".

Reference well section

Norwegian well [7120/12-1](#) coordinates N 71°6'48.71" E 20°45'20.13".

Thickness

35 m in the type well and 50 m in the reference well.

Lithology

The Alge Member forms the lower high gamma intensity part of the [Hekkingen Formation](#) and consists of black paper shales rich in organic material.

Lower boundary definition

The base is defined by the transition from carbonate cemented and pyritic mudstones to poorly consolidated shales, producing a sudden increase in interval transit time and an abrupt decrease in bulk density values.

Age

Late Oxfordian – Kimmeridgian, based on ammonites and palynology.

Depositional environment

The member was deposited in restricted shelf environments.

Compiled from

- Dalland, A., Worsley, D. and Ofstad, K. (eds.) 1988: A lithostratigraphic scheme for the Mesozoic and Cenozoic succession offshore mid- and northern Norway. NPD-Bulletin No. 4, 65 pp.
- Dallmann, W. K. (ed.) 1999: Lithostratigraphic lexicon of Svalbard. Review and recommendations for nomenclature use. Upper Palaeozoic to Quaternary Bedrock. Norwegian Polar Institute, 318 pp.

Wellbores penetrating

Wellbore name	Wellbore completion date	Top depth [m]	Bottom depth [m]
7119/12-1	10.10.1980	2574	2610



7120/8-4	10.12.2007	2221	2250
7120/12-1	12.10.1980	1969	2019
7125/4-1	07.03.2007	864	869

Wellbores with cores

Wellbore name	Wellbore completion date	Core length [m]
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