



Generell informasjon

Litostrat. enhet	NORDMELA FM
NPDID for litostrat. enhet	118
Nivå	FORMATION
Litostrat. enhet, forelder	REALGRUNNEN SUBGP

Nivå under

Litostrat. enhet

Beskrivelse



Nordmela Formation

Name

Nordmela is a small community on the west coast of Andøya. Our use of the term corresponds to the description by Olaussen et al. (1984) and to the informal term T2-4.

Well type section

Well [7121/5-1](#) (Statoil), coordinates 71°35'54.88"N, 21°24'21.78"E, from 2507 to 2445m. The entire formation is cored in this well ([Fig 4.48](#)).

Well reference section

Well [7119/12-2](#) (Statoil), coordinates 71°00'51.81"N, 19°58'20.81"E, from 1719 m to 1517 m. All but the basal 31 m are cored in this well ([Fig 4.49](#)).

Thickness

62 m in the type well and 202 m in the reference well.

Lithology

The formation consists of interbedded siltstones, sandstones, shales and claystones with minor coals. Sandstones become more common towards the top.

Basal Stratotype

The base is defined by a sharp increase in gamma ray response to high, irregular, patterns in contrast to the cylindrical, blocky to bell-shaped pattern of the underlying unit. This shift is accompanied by an increase in bulk density readings.

Lateral extent and variation

Thickness variation between the type and reference wells clearly illustrates a southwest thickening wedge. This is in marked contrast to the underlying [Tubåen Formation](#). Westwards thickening may be the result of early Kimmerian subsidence over the site of the Ringvassøy-Loppa Fault Complex.

Age

The formation extends from the Sinemurian to the late Pliensbachian in the reference area. Its top may be diachronous, younging eastwards into the Toarcian in the type section.

Depositional environment

The formation was deposited in tidal flat to flood plain environments. Individual sandstone sequences represent estuarine and tidal channels which dissected this low-lying area.

Source

- 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.

Brønnbaner som penetrerer

Brønnbane navn	Dato for boreslutt	Topp dyp [m]	Bunn dyp [m]
7019/1-1	03.12.2000	2610	2862
7119/9-1	25.09.1984	2868	3027



Faktasider Stratigrafi

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7119/12-2	26.06.1981	1517	1719
7119/12-3	12.09.1983	3299	3314
7119/12-4	17.02.2011	2448	2660
7120/1-2	28.03.1989	2365	2452
7120/2-3 S	09.07.2011	2221	2299
7120/5-1	06.06.1985	2427	2510
7120/6-1	02.05.1985	2470	2559
7120/6-2 S	22.07.2007	2678	2762
7120/6-3 S	30.11.2012	2979	3030
7120/7-1	08.10.1982	2522	2650
7120/7-2	21.08.1983	2256	2387
7120/7-3	09.06.1984	2969	3062
7120/8-1	10.09.1981	2190	2330
7120/8-2	29.07.1982	2190	2375
7120/8-3	24.05.1983	2277	2335
7120/8-4	10.12.2007	2360	2496
7120/9-1	26.09.1982	1896	1986
7120/9-2	20.10.1984	2048	2156
7120/10-1	08.09.1984	1655	1796
7120/12-1	12.10.1980	2152	2250
7120/12-2	11.09.1981	1978	2152
7120/12-3	05.05.1983	2220	2342
7120/12-5	03.01.2011	2230	2365
7121/4-1	27.10.1984	2396	2469
7121/4-2	14.04.1985	2557	2642
7121/5-1	28.09.1985	2445	2507
7121/5-2	06.07.1986	2400	2450
7121/5-3	09.03.2001	1928	1984
7121/7-1	05.08.1984	1908	2001
7121/7-2	12.08.1986	1938	2028
7121/8-1	15.07.2017	1939	2025
7122/4-1	13.01.1992	2386	2430
7122/6-1	11.11.1987	2038	2052
7122/6-2	19.09.2006	2088	2104
7122/6-3 S	10.10.2021	1905	1908
7123/4-1 S	21.04.2008	2111	2122
7125/4-1	07.03.2007	872	882
7132/2-1	09.02.2019	709	720
7132/2-2	07.04.2019	759	779
7219/8-2	30.09.2013	2985	3143
7219/9-1	25.02.1988	2062	2206



7219/12-1 A	28.02.2017	1699	1747
7219/12-2 A	30.11.2017	1813	1903
7219/12-2 S	07.11.2017	1553	1843
7219/12-3 S	17.01.2018	2348	2578
7220/2-1	10.10.2014	873	992
7220/4-1	25.02.2014	2293	2405
7220/5-1	24.03.2012	1415	1578
7220/5-2	08.07.2013	1606	1763
7220/5-3	26.10.2018	1479	1626
7220/7-1	24.01.2012	1857	2023
7220/7-3 S	05.05.2014	1526	1710
7220/7-4	14.03.2021	1890	2061
7220/8-1	02.05.2011	1354	1511
7220/8-2 S	22.05.2022	828	868
7220/10-1	16.10.2012	1645	1832
7223/5-1	14.01.2009	508	524
7224/2-1	04.03.2016	703	705
7224/7-1	19.06.1988	919	930
7227/10-1	10.11.2014	1553	1636
7227/11-1 A	24.03.2006	1166	1190
7227/11-1 S	22.02.2006	1166	1190
7228/1-1	26.04.2012	967	974
7228/2-1 S	20.12.1989	1300	1345
7228/7-1 A	02.02.2001	1379	1399
7228/7-1 B	10.02.2001	1379	1399
7228/7-1 S	08.01.2001	1378	1397
7228/9-1 S	07.05.1990	1083	1140
7229/11-1	15.12.1993	1278	1323
7318/12-2	22.03.2017	3448	3535
7321/4-1	01.10.2018	1355	1369
7321/7-1	22.10.1988	2022	2039
7321/8-1	03.09.1987	1455	1467
7321/8-2 S	01.07.2020	1657	1665
7321/9-1	28.11.1988	1417	1424
7324/7-1 S	03.11.2013	796	799
7324/7-3 S	14.04.2016	867	1144
7324/8-1	17.09.2013	679	730
7324/9-1	07.08.2014	704	712
7335/3-1	15.06.2019	580	644
7435/12-1	01.09.2017	583	657



Brønnbaner med kjerner

Brønnbane navn	Dato for boreslutt	Kjernelengde [m]
7119/12-2	26.06.1981	173
7120/6-1	02.05.1985	86
7120/6-2 S	22.07.2007	4
7120/8-1	10.09.1981	80
7120/8-2	29.07.1982	28
7120/9-1	26.09.1982	66
7120/12-2	11.09.1981	72
7121/4-1	27.10.1984	20
7121/4-2	14.04.1985	41
7121/5-1	28.09.1985	62
7121/7-1	05.08.1984	27
7121/7-2	12.08.1986	2
7121/8-1	15.07.2017	45
7122/4-1	13.01.1992	24
7122/6-1	11.11.1987	14
7122/6-3 S	10.10.2021	3
7132/2-1	09.02.2019	8
7219/8-2	30.09.2013	65
7219/9-1	25.02.1988	52
7219/12-1 A	28.02.2017	47
7219/12-2 S	07.11.2017	50
7220/2-1	10.10.2014	60
7220/4-1	25.02.2014	111
7220/5-1	24.03.2012	162
7220/5-3	26.10.2018	17
7220/7-1	24.01.2012	165
7220/7-3 S	05.05.2014	72
7220/7-4	14.03.2021	96
7220/8-1	02.05.2011	50
7224/7-1	19.06.1988	10
7228/7-1 S	08.01.2001	17
7228/9-1 S	07.05.1990	48
7321/8-1	03.09.1987	12
7324/8-1	17.09.2013	31
7324/9-1	07.08.2014	8
7435/12-1	01.09.2017	45