



Generell informasjon

Litostrat. enhet	STØ FM
NPDID for litostrat. enhet	159
Nivå	FORMATION
Litostrat. enhet, forelder	REALGRUNNEN SUBGP

Nivå under

Litostrat. enhet

Beskrivelse



Stø Formation

Name

Stø is a farm on the northern coast of Langøya in Vesterålen. Our use of the term corresponds to the description by Olausen et al. (1984) and to the informal term T2-5.

Well type section

Well [7121/5-1](#) (Statoil), coordinates 71°35'54.88"N, 21°24'21.78"E, from 2445 m to 2368 m. All but the uppermost 3 m of the formation are 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 1517 m to 1372 m. Most of the lower and upper thirds of the formation are covered by cores, although base and top are not represented ([Fig 4.49](#)).

Thickness

77 m in the type well and 145 m in the reference well.

Lithology

Moderately to well-sorted and mineralogically mature sandstones are dominant. Thin units of shale and siltstone are clear markers; phosphatic lag conglomerates occur in some wells, especially in upper parts of the unit.

Basal Stratotype

The base is defined by the sharp transition from regular and serrated gamma ray patterns of the underlying unit to the blocky to smooth cylindrical patterns of this sequence. Density readings decrease upwards over the boundary, but this change is more gradual.

Lateral extent and variation

The formation is thickest in southwestern wells, thinning generally eastwards. This pattern corresponds to that of the underlying [Nordmela Formation](#). The entire unit may be divided into 3 depositional sequences, with bases defined by transgressive episodes. The basal sequence is only present in the western parts of the Hammerfest Basin. The middle (late Toarcian/Aalenian) sequence represents maximum transgression in the area. The uppermost Bajocian sequence is highly variable owing to syn-depositional uplift and winnowing and to later differential erosion.

Age

A late Pliensbachian to Bajocian age is indicated by present data. The base is apparently diachronous, younging from west to east in the Hammerfest Basin.

Depositional environment

The sands in the formation were deposited in prograding coastal regimes, and a variety of linear clastic coast lithofacies are represented. Marked shale/siltstone intervals represent regional transgressive pulses in the late Toarcian and late Aalenian.

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



Faktasider Stratigrafi

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Brønnbane navn	Dato for boreslutt	Topp dyp [m]	Bunn dyp [m]
7018/5-1	27.11.2020	910	1130
7019/1-1	03.12.2000	2447	2610
7119/9-1	25.09.1984	2748	2868
7119/12-1	10.10.1980	2658	3088
7119/12-2	26.06.1981	1372	1517
7119/12-3	12.09.1983	3144	3299
7119/12-4	17.02.2011	2296	2448
7120/1-2	28.03.1989	2211	2365
7120/2-2	23.03.1991	2692	2794
7120/2-3 S	09.07.2011	2071	2221
7120/5-1	06.06.1985	2285	2427
7120/6-1	02.05.1985	2386	2470
7120/6-2 S	22.07.2007	2564	2678
7120/6-3 S	30.11.2012	2893	2979
7120/7-1	08.10.1982	2408	2522
7120/7-2	21.08.1983	2150	2256
7120/7-3	09.06.1984	2889	2969
7120/8-1	10.09.1981	2092	2190
7120/8-2	29.07.1982	2081	2190
7120/8-3	24.05.1983	2192	2277
7120/8-4	10.12.2007	2264	2360
7120/9-1	26.09.1982	1840	1896
7120/9-2	20.10.1984	1971	2048
7120/10-1	08.09.1984	1568	1655
7120/12-1	12.10.1980	2047	2152
7120/12-2	11.09.1981	1892	1978
7120/12-3	05.05.1983	2158	2220
7120/12-5	03.01.2011	2165	2230
7121/1-2 S	02.03.2019	3343	3375
7121/4-1	27.10.1984	2318	2396
7121/4-2	14.04.1985	2480	2557
7121/5-1	28.09.1985	2369	2445
7121/5-2	06.07.1986	2323	2400
7121/5-3	09.03.2001	1880	1928
7121/7-1	05.08.1984	1849	1908
7121/7-2	12.08.1986	1882	1938
7121/8-1	15.07.2017	1911	1939
7122/2-1	11.11.1992	2068	2120
7122/4-1	13.01.1992	2326	2386



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7122/6-1	11.11.1987	2015	2038
7122/6-2	19.09.2006	2048	2088
7122/6-3 S	10.10.2021	1891	1905
7123/4-1 A	14.05.2008	2091	2131
7123/4-1 S	21.04.2008	2095	2111
7124/4-1 S	12.10.2011	1259	1312
7125/1-1	30.12.1988	1399	1521
7130/4-1	08.01.2016	605	612
7131/4-1	13.05.2005	878	883
7132/2-1	09.02.2019	701	709
7132/2-2	07.04.2019	752	759
7219/8-1 S	26.12.1992	4521	4611
7219/8-2	30.09.2013	2898	2985
7219/9-1	25.02.1988	1951	2062
7219/9-2	02.07.2017	2556	2568
7219/12-2 A	30.11.2017	1618	1813
7219/12-3 S	17.01.2018	2243	2348
7220/2-1	10.10.2014	828	873
7220/4-1	25.02.2014	2267	2293
7220/5-1	24.03.2012	1337	1415
7220/5-2	08.07.2013	1532	1606
7220/5-3	26.10.2018	1413	1479
7220/7-1	24.01.2012	1781	1857
7220/7-3 S	05.05.2014	1448	1526
7220/7-4	14.03.2021	1820	1890
7220/8-1	02.05.2011	1276	1354
7220/10-1	16.10.2012	1513	1645
7223/5-1	14.01.2009	501	508
7224/2-1	04.03.2016	682	703
7224/7-1	19.06.1988	894	919
7225/3-1	25.09.2011	727	770
7225/3-2	07.08.2013	729	790
7226/11-1	11.04.1988	1194	1202
7227/10-1	10.11.2014	1539	1553
7227/11-1 A	24.03.2006	1142	1166
7227/11-1 S	22.02.2006	1142	1166
7228/2-1 S	20.12.1989	1275	1300
7228/7-1 A	02.02.2001	1361	1379
7228/7-1 B	10.02.2001	1361	1379
7228/7-1 S	08.01.2001	1362	1378
7228/9-1 S	07.05.1990	1073	1083



7229/11-1	15.12.1993	1270	1278
7318/12-2	22.03.2017	3417	3448
7321/4-1	01.10.2018	1341	1355
7321/7-1	22.10.1988	1999	2022
7321/8-1	03.09.1987	1437	1455
7321/8-2 S	01.07.2020	1621	1657
7321/9-1	28.11.1988	1379	1417
7322/6-1 S	28.05.2021	707	719
7324/2-1	18.06.2014	849	871
7324/3-1	21.11.2018	877	909
7324/6-1	31.07.2019	792	811
7324/7-1 S	03.11.2013	780	796
7324/7-2	06.07.2014	712	736
7324/7-3 S	14.04.2016	1373	2354
7324/7-3 S	14.04.2016	789	867
7324/8-1	17.09.2013	662	679
7324/8-2	16.05.2015	668	683
7324/8-3	17.09.2017	665	688
7324/9-1	07.08.2014	696	704
7324/10-1	19.08.1989	569	577
7325/1-1	21.07.2014	876	905
7325/4-1	03.08.2017	772	792
7335/3-1	15.06.2019	577	580
7435/12-1	01.09.2017	577	583

Brønnbaner med kjerner

Brønnbane navn	Dato for boreslutt	Kjernelengde [m]
7019/1-1	03.12.2000	14
7119/9-1	25.09.1984	33
7119/12-1	10.10.1980	164
7119/12-2	26.06.1981	90
7119/12-3	12.09.1983	26
7120/2-2	23.03.1991	4
7120/2-3 S	09.07.2011	95
7120/5-1	06.06.1985	138
7120/6-1	02.05.1985	80
7120/6-2 S	22.07.2007	110
7120/7-1	08.10.1982	69
7120/7-2	21.08.1983	78
7120/7-3	09.06.1984	20



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7120/8-1	10.09.1981	28
7120/8-2	29.07.1982	105
7120/8-3	24.05.1983	36
7120/9-1	26.09.1982	52
7120/10-1	08.09.1984	14
7120/12-1	12.10.1980	12
7120/12-2	11.09.1981	30
7120/12-3	05.05.1983	18
7121/4-1	27.10.1984	75
7121/4-2	14.04.1985	77
7121/5-1	28.09.1985	76
7121/5-2	06.07.1986	75
7121/5-3	09.03.2001	28
7121/7-1	05.08.1984	55
7121/7-2	12.08.1986	33
7121/8-1	15.07.2017	21
7122/4-1	13.01.1992	65
7122/6-1	11.11.1987	19
7122/6-3 S	10.10.2021	7
7125/1-1	30.12.1988	28
7132/2-1	09.02.2019	4
7219/8-1 S	26.12.1992	16
7219/8-2	30.09.2013	81
7219/9-1	25.02.1988	111
7219/12-2 A	30.11.2017	53
7220/2-1	10.10.2014	39
7220/4-1	25.02.2014	19
7220/5-1	24.03.2012	76
7220/5-3	26.10.2018	55
7220/7-1	24.01.2012	54
7220/7-3 S	05.05.2014	69
7220/7-4	14.03.2021	60
7220/8-1	02.05.2011	60
7220/10-1	16.10.2012	58
7224/7-1	19.06.1988	21
7226/11-1	11.04.1988	0
7228/2-1 S	20.12.1989	9
7228/7-1 S	08.01.2001	11
7321/7-1	22.10.1988	5
7321/8-1	03.09.1987	12
7321/9-1	28.11.1988	18



7324/6-1	31.07.2019	16
7324/7-2	06.07.2014	24
7324/8-1	17.09.2013	16
7324/8-3	17.09.2017	23
7324/9-1	07.08.2014	8
7325/4-1	03.08.2017	19