

**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 Olaussen 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 |



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|----------------------------|------------|------|------|
| 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 |



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| 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 |