



Generell informasjon

Litostrat. enhet	SOGNEFJORD FM
NPDID for litostrat. enhet	151
Nivå	FORMATION
Litostrat. enhet, forelder	VIKING GP

Nivå under

Litostrat. enhet

Beskrivelse



Sognefjord Formation

Name

After a fjord on the west coast of Norway, adjacent to the type area in Quadrant 31.

Well type section

Norwegian well [31/2-1](#) (Shell) from 1440 m to 1531.5 m, coord N 60°46' 19.16", E 03°33'15.87", ([Fig 3.21](#)).

Well reference section

None at present.

Lithology

The formation consists of sandstones and sands, grey-brown in colour, medium to coarse grained, well sorted and friable to unconsolidated. Locally the formation is weakly micaceous with minor argillaceous and carbonaceous beds. Bioclastic material and occasional cemented bands occur locally.

Boundaries

The Sognefjord Formation has a gradational lower boundary, due to the interdigitation of sandstones with the siltstones which form the upper part of the [Heather Formation](#). The base is chosen immediately below the first continuous sandstone, often shown by reduction in gamma ray intensity. The formation has a homogenous "blocky" log motif in the lower half. The upper half comprises several cycles displaying "funnel-shaped" gamma ray log motifs coincident with coarsening upward sequences. The top of the formation is marked by the distinct lithological break into claystones or shales, which in the type well are the overlying [Draupne Formation](#).

Distribution

The formation has only been clearly recognized in the [Troll Field](#) area, where it is the major reservoir interval.

Age

Oxfordian to Kimmeridgian/Volgian.

Depositional environment

The formation was deposited in a coastal-shallow marine environment.

Source

- Vollset, J. and Doré, A. G. (eds.) 1984: A revised Triassic and Jurassic lithostratigraphic nomenclature for the Norwegian North Sea. NPD-Bulletin No. 3, 53 pp.

Brønnbaner som penetrerer

Brønnbane navn	Dato for boreslutt	Topp dyp [m]	Bunn dyp [m]
30/9-23	21.08.2009	2283	2338
31/1-1	15.02.2008	2055	2068
31/2-1	09.11.1979	1440	1532
31/2-1 R	09.11.1981	1441	1533
31/2-2	23.04.1980	1545	1665



Faktasider Stratigrafi

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31/2-2 R	06.10.1980	1545	1665
31/2-3	20.07.1980	1384	1508
31/2-4 R	06.04.1981	1365	1460
31/2-4 R2	12.11.1982	1365	1460
31/2-5	21.12.1980	1536	1617
31/2-5 R	20.07.1981	1529	1610
31/2-5 R2	22.04.1984	1529	1610
31/2-6	17.10.1981	1492	1673
31/2-7	14.06.1982	1546	1601
31/2-8	18.08.1982	1837	1999
31/2-9	01.10.1982	1549	1600
31/2-10	31.10.1982	1600	1733
31/2-11	25.05.1983	1558	1611
31/2-12	09.09.1983	1365	1487
31/2-13 S	15.03.1984	1732	1855
31/2-14	21.06.1984	1533	1595
31/2-15	15.11.1984	1515	1559
31/2-16 S	27.12.1989	1659	2390
31/2-16 SR	08.07.1991	1660	2391
31/2-17 A	31.01.1992	1689	1756
31/2-17 B	14.02.1992	1691	1838
31/2-17 BR	24.02.1993	1696	1843
31/2-17 S	20.01.1992	1872	1957
31/2-18	07.10.1992	1529	1643
31/2-18 A	17.10.1992	1530	1655
31/2-20 S	08.12.2002	2673	2887
31/2-21 S	04.06.2014	2192	2562
31/2-22 A	16.03.2021	2051	2117
31/2-22 A	16.03.2021	2157	2207
31/2-22 S	03.03.2021	1907	1980
31/2-22 S	03.03.2021	1995	2061
31/3-1	13.10.1983	1352	1497
31/3-2	30.04.1984	1567	1706
31/3-3	18.11.1984	1753	1905
31/3-4	05.01.2014	1658	1669
31/4-3	11.05.1980	2018	2082
31/4-4	17.02.1981	2365	2402
31/4-5	29.07.1981	2070	2078
31/4-10	13.12.1995	2025	2098
31/4-11	12.09.2000	2201	2233
31/4-12	14.03.2005	2089	2125



Faktasider Stratigrafi

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31/5-2	11.11.1983	1521	1642
31/5-2 R	30.08.1984	1521	1642
31/5-3	09.06.1984	1555	1666
31/5-4 A	13.12.1990	1621	2603
31/5-4 AR	18.07.1991	1621	2603
31/5-4 AR2	05.09.2003	1628	2610
31/5-4 S	10.10.1990	1619	1830
31/5-5	11.02.1993	1572	1660
31/5-5 R	27.07.2002	1579	1667
31/5-6	25.07.2000	1798	1862
31/5-7	06.03.2020	1957	2104
31/6-1	28.10.1983	1352	1488
31/6-2	11.12.1983	1460	1625
31/6-2 R	08.09.1984	1460	1625
31/6-3	26.12.1983	1511	1669
31/6-5	21.05.1984	1518	1677
31/6-6	29.07.1984	1561	1706
31/6-8	25.05.1985	1507	1661
31/6-8 R	22.09.1985	1507	1661
31/7-1	22.06.2016	2154	2230
31/7-1 A	14.07.2016	2371	2478
31/7-2 A	27.07.2017	2579	2692
31/7-2 S	08.07.2017	2190	2292
31/7-3 A	18.01.2019	2726	2810
31/7-3 S	16.12.2018	2573	2633
31/8-1	24.07.2011	2123	2367
31/11-1 S	28.06.2021	2317	2412
32/2-1	01.07.2008	902	1012
32/4-1	04.12.1996	1238	1306
32/4-3 S	26.10.2019	1248	1415
35/8-4	10.08.1999	3639	3719
35/9-2	03.04.1991	2109	2132
35/9-12 S	26.12.2014	2950	2957
35/11-3 S	09.09.1989	3081	3096
35/11-4	29.12.1990	1984	2116
35/11-4 R	27.01.1992	1994	2126
35/11-5	03.11.1991	2875	2950
35/11-6	20.04.1992	3157	3196
35/11-7	29.09.1992	1796	1964
35/11-8 S	11.05.1996	2807	2825
35/11-9	01.05.1997	2556	2580



35/11-10	23.06.1997	1971	2117
35/11-10 A	14.07.1997	2293	2457
35/11-16 S	18.03.2014	3416	3554
35/11-17	01.05.2014	2145	2184
35/11-20 A	07.08.2016	3869	3901
35/11-20 B	15.09.2016	4131	4176
35/11-20 S	19.06.2016	3362	3432
35/11-21 A	17.10.2018	2281	2320
35/11-25 A	04.06.2021	3007	3051
35/11-25 A	04.06.2021	3091	3143
35/11-25 S	14.05.2021	2896	2985
35/11-25 S	14.05.2021	3078	3127
35/12-1	24.04.1992	2557	2667
35/12-2	15.07.2009	1968	2030
35/12-3 S	16.02.2011	2046	2164
35/12-5 S	19.06.2015	3007	3019
36/7-1	07.05.1996	2171	2207
36/7-2	22.09.1997	917	936
6204/11-2	28.12.1997	2892	2920

Brønnbaner med kjerner

Brønnbane navn	Dato for boreslutt	Kjernelengde [m]
31/2-1	09.11.1979	55
31/2-2	23.04.1980	77
31/2-3	20.07.1980	76
31/2-4 R	06.04.1981	75
31/2-5	21.12.1980	70
31/2-6	17.10.1981	124
31/2-7	14.06.1982	39
31/2-8	18.08.1982	46
31/2-9	01.10.1982	44
31/2-10	31.10.1982	124
31/2-11	25.05.1983	38
31/2-12	09.09.1983	86
31/2-13 S	15.03.1984	79
31/2-14	21.06.1984	43
31/2-15	15.11.1984	42
31/2-17 A	31.01.1992	42
31/2-17 B	14.02.1992	3
31/2-17 S	20.01.1992	80



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31/2-18	07.10.1992	110
31/2-22 S	03.03.2021	119
31/3-1	13.10.1983	139
31/3-2	30.04.1984	63
31/3-3	18.11.1984	139
31/4-5	29.07.1981	8
31/4-10	13.12.1995	73
31/4-11	12.09.2000	31
31/5-2	11.11.1983	76
31/5-3	09.06.1984	66
31/5-4 S	10.10.1990	88
31/5-5	11.02.1993	82
31/6-1	28.10.1983	122
31/6-2	11.12.1983	156
31/6-3	26.12.1983	137
31/6-5	21.05.1984	154
31/6-6	29.07.1984	141
31/6-8	25.05.1985	131
31/7-1	22.06.2016	65
31/7-1 A	14.07.2016	55
31/7-2 A	27.07.2017	77
31/7-2 S	08.07.2017	83
31/7-3 S	16.12.2018	47
32/4-1	04.12.1996	23
35/9-2	03.04.1991	19
35/9-12 S	26.12.2014	1
35/11-3 S	09.09.1989	4
35/11-4	29.12.1990	93
35/11-6	20.04.1992	31
35/11-7	29.09.1992	88
35/11-10	23.06.1997	102
35/11-20 A	07.08.2016	31
35/11-21 A	17.10.2018	39
35/12-1	24.04.1992	7
35/12-2	15.07.2009	54
35/12-3 S	16.02.2011	32
36/7-1	07.05.1996	36