



Generell informasjon

Litostrat. enhet	FRIGG FM
NPDID for litostrat. enhet	45
Nivå	FORMATION
Litostrat. enhet, forelder	HORDALAND GP

Nivå under

Litostrat. enhet

Beskrivelse



Frigg Formation

Name

Named by Deegan & Scull (1977) after a Norse goddess, the wife of Odin.

Well type section

Norwegian well [25/1-1](#) from 2115 m to 1836 m, coordinates N 59°53'17.40", E 02°04'42.70" ([Fig 5.62](#)). 42 m of cores (1868-1910 m).

Well reference section

Norwegian well [30/7-6](#) from 1923 m to 1783 m, coordinates N 60°29'29.82", E 02°03'26.14" ([Fig 5.63](#)). No cores.

Thickness

The formation has a thickness of 279 m in the type well and 140 m in the reference well. A depocentre with a maximum thickness of approximately 300 m lies in Norwegian block 25/1.

Lithology

The formation consists of sandstones with some lenses and streaks of silty claystone. The sandstones are poorly consolidated, light brown to buff, micaceous and carbonaceous, and very fine to medium, occasionally coarse grained. Some layers have a calcareous cement. Traces of glauconite are present. The silty claystones are green to grey and carbonaceous.

Basal stratotype

The lower boundary normally shows a decrease in gamma-ray intensity and an increase in velocity from the [Balder Formation](#) into the Frigg Formation ([Fig 5.62](#)).

Characteristics of the upper boundary

The top of the formation is placed where the sandstones give way to light grey to brown, occasionally green claystone of the [Hordaland Group](#). The boundary is seen on logs as an increase in gamma-ray response and a decrease in velocity ([Fig 5.62](#)).

Distribution

The Frigg Formation is found in the southwestern part of quadrant 30, the northwestern part of quadrant 25, and in adjacent areas in the UK sector. The Frigg sands of the Beryl and Brace Fields just extend into the Norwegian sector at about 59°30'N.

Age

Early Eocene.

Depositional environment

The Frigg Formation was deposited as submarine fans, by gravity flows. The mode of deposition led to the formation varying in thickness over short distances. The source was the East Shetland Platform to the west.

Source

- Isaksen, D. and Tonstad, K. (eds.) 1989: A revised Cretaceous and Tertiary lithostratigraphic nomenclature for the Norwegian North Sea. NPD-Bulletin No. 5, 59 pp.



Brønnbaner som penetrerer

Brønnbane navn	Dato for boreslutt	Topp dyp [m]	Bunn dyp [m]
15/5-1	08.04.1978	1706	2057
15/5-2	16.12.1978	1608	2128
15/5-4	03.07.1991	1586	2072
15/9-3	03.04.1979	1810	2133
15/9-4	14.06.1979	2172	2307
15/9-5	11.04.1980	1913	2290
15/9-6	07.09.1980	1807	2228
15/9-7	29.04.1981	1937	2305
15/9-8	25.05.1981	2156	2174
15/9-12	27.02.1982	1823	2220
15/9-15	01.08.1982	2027	2208
15/9-23	03.01.2010	2092	2110
15/9-23	03.01.2010	2137	2161
24/9-3	15.04.1981	1739	1831
24/9-4	17.06.1991	1766	1906
25/1-1	22.07.1971	1836	2115
25/1-2	25.08.1971	1948	2049
25/1-3	27.01.1972	1952	2244
25/1-4	30.05.1974	1968	2058
25/1-5	12.09.1975	1907	2182
25/1-6	18.03.1978	2107	2150
25/1-7	26.05.1985	1919	2180
25/1-7 R	14.02.1987	1919	2180
25/1-7 R2	10.05.1988	1916	2177
25/1-7 R3	16.04.1989	1916	2177
25/1-7 R4	05.04.1990	1916	2177
25/1-8 S	25.07.1985	1930	2232
25/1-8 SR4	14.04.1991	1927	2229
25/1-8 SR3	06.04.1989	1927	2229
25/1-8 SR2	15.05.1988	1927	2229
25/1-8 SR	18.02.1987	1930	2232
25/1-9	12.10.1986	2035	2237
25/1-10	14.09.1988	1926	2171
25/1-11 A	14.05.2010	2234	2290
25/1-11 R	26.04.2010	2118	2205
25/1-13	11.03.2019	2063	2119
25/2-1	21.09.1973	1915	2003
25/2-2	11.07.1974	1949	2196



Faktasider

Stratigrafi

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25/2-3	09.10.1974	2073	2211
25/2-4	20.10.1975	2012	2061
25/2-7	12.07.1982	2023	2149
25/2-8	01.08.1984	1918	2201
25/2-9	24.07.1985	1935	2223
25/2-10 S	19.03.1986	2230	2501
25/2-10 SR	22.09.1987	2234	2505
25/2-11	10.05.1987	1950	2075
25/2-12	12.11.1988	2042	2169
25/2-12 A	06.04.1989	2042	2169
25/2-17	11.10.2009	1949	2112
25/2-18 S	11.09.2016	2118	2128
25/2-19 A	08.10.2017	2132	2260
25/2-19 S	11.09.2017	2100	2176
25/2-23 A	23.01.2022	1980	2133
25/2-23 S	01.04.2022	2120	2338
25/3-1	05.09.1989	2127	2159
25/4-11	23.08.2017	2214	2234
25/5-9	25.02.2014	2036	2083
29/6-1	09.05.1982	1827	1881
29/9-1	24.02.1984	1782	1981
30/4-2	16.05.1980	1820	1959
30/4-3 S	09.10.2016	1829	1997
30/7-2	09.11.1975	1748	1909
30/7-6	31.07.1977	1783	1965
30/7-6 R	03.06.1978	1784	1965
30/7-8	04.04.1981	1782	1927
30/7-8 R	29.01.1982	1782	1927
30/10-1	18.07.1973	1960	2076
30/10-2	28.03.1974	1997	2067
30/10-3	31.08.1974	2030	2073
30/10-5	01.05.1975	1965	2075
30/11-1	14.03.1975	1953	2155
30/11-2	16.04.1975	2052	2138
30/11-3	14.03.1983	2027	2172
30/11-4	24.07.1984	1989	2160
30/11-7	03.02.2009	2119	2152
30/11-7 A	25.05.2009	2119	2152
30/11-9 A	08.01.2014	2195	2299
30/11-9 S	13.11.2013	2116	2193
30/11-11 A	07.04.2016	2373	2460



30/11-11 S	19.03.2016	2093	2157
30/11-12 A	20.05.2016	2202	2419
30/11-12 S	04.05.2016	2035	2173
30/12-1	07.03.1994	2136	2156
35/8-5 S	20.07.2003	1100	1347
35/8-6 A	14.05.2016	1442	1712
35/9-6 S	07.12.2010	989	1229
35/9-7	14.04.2012	1108	1247
35/9-8	11.04.2013	1108	1190
35/9-10 A	16.01.2014	1181	1248
35/9-10 S	26.11.2013	1181	1255
35/9-11 A	21.05.2014	1018	1222
35/9-11 S	15.04.2014	1018	1222
35/11-20 A	07.08.2016	1527	1625
35/11-20 B	15.09.2016	1527	1625
35/11-20 S	19.06.2016	1527	1625
35/12-6 S	14.06.2018	895	950

Brønnbaner med kjerner

Brønnbane navn	Dato for boreslutt	Kjernelengde [m]
24/9-3	15.04.1981	16
24/9-4	17.06.1991	11
25/1-1	22.07.1971	20
25/1-3	27.01.1972	41
25/1-4	30.05.1974	43
25/1-5	12.09.1975	13
25/1-6	18.03.1978	9
25/1-7	26.05.1985	204
25/1-8 S	25.07.1985	140
25/1-9	12.10.1986	60
25/2-1	21.09.1973	23
25/2-2	11.07.1974	21
25/2-8	01.08.1984	49
25/2-9	24.07.1985	139
25/2-10 S	19.03.1986	30
25/2-11	10.05.1987	21
25/2-17	11.10.2009	58
25/2-23 A	23.01.2022	72
30/7-2	09.11.1975	63
30/10-1	18.07.1973	25



Faktasider

Stratigrafi

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30/10-2	28.03.1974	3
30/10-3	31.08.1974	35
30/11-1	14.03.1975	13