



General information

Lithostrat. unit	BROOM FM
NPDID lithostrat. unit	17
Level	FORMATION
Lithostrat. unit, parent	BRENT GP

Level below

Lithostrat. unit

Description



Broom Formation

Name

Named by Deegan and Scull (1977) who gave it "sub-unit" status.

Well type section

UK well 211/29-3 (Shell) from 2818 m to 2829 m, coord N 61°08'06", E 01°43'36.5" ([Fig 3.10](#)).

Well reference section

Norwegian well [33/9-1](#) (Mobil) from 2664 m to 2668 m, coord N 61°15'07.5", E 01°50'25.8" ([Fig 3.11](#)).

Thickness

11 m in the type well and 4 m in [33/9-1](#). In the Brent-Statfjord area it varies from a few meters to about fifteen meters in thickness.

Lithology

In the type well it is a pale grey to brown, coarse-grained poorly sorted conglomeratic sandstone containing shale clasts.

Boundaries

The Broom Formation is distinguished from the underlying [Dunlin Group](#) and the overlying [Rannoch Formation](#) by its irregular, but generally lower, gamma ray readings.

Distribution

The Broom Formation is easily identified in the Brent - Statfjord area. In parts of the East Shetland Basin a thin distal equivalent of the Broom Formation is present within the shales of the [Drake Formation](#).

Age

Late Toarcian to Bajocian.

Depositional environment

The Broom Formation is a shallow marine deposit, and is a precursor of the regression which characterizes the overlying [Rannoch Formation](#).

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.

Wellbores penetrating

Wellbore name	Wellbore completion date	Top depth [m]	Bottom depth [m]
29/6-1	09.05.1982	4489	4500
29/9-1	24.02.1984	4415	4421
30/7-6 R	03.06.1978	4051	4057
33/6-2	02.01.1997	3764	3777



33/9-1	04.06.1974	2664	2668
33/9-13 S	24.12.1987	2810	2815
33/9-14	09.04.1988	2947	2949
33/12-7	27.04.1989	3296	3306
33/12-8 S	26.04.2002	3155	3167
34/7-12	17.12.1987	2334	2341
34/7-13	13.04.1988	2598	2600
34/7-21	11.12.1992	2966	2972
34/7-22	01.10.1993	2456	2460
34/7-25 S	14.09.1996	3178	3183
34/7-33	15.10.2008	2561	2587
34/8-1	08.03.1986	2980	2981
34/8-3	14.09.1988	2964	2965
34/8-4 S	09.06.1991	2922	2924
34/8-5	01.04.1991	3046	3049
34/8-7	16.07.1992	4764	4767
34/8-7 R	10.02.1993	4764	4767
34/10-1	08.09.1978	1935	1946
34/10-3	07.06.1979	2084	2092
34/10-3 R	10.10.1987	2081	2089
34/10-4	15.10.1979	1905	1916
34/10-5	02.01.1980	2134	2148
34/10-6	22.01.1980	2273	2290
34/10-8	25.05.1980	2040	2054
34/10-9	09.05.1980	1945	1957
34/10-9 R	03.07.1980	1945	1957
34/10-14	19.03.1982	2069	2080
34/10-18	30.08.1983	2595	2604
34/10-34	31.05.1991	2268	2275
34/10-37	22.02.1995	2796	2810
34/10-38 S	29.05.1995	3045	3052
34/10-39 S	20.06.1995	2800	2814
34/10-40 S	13.10.1995	5820	5842
34/10-41 S	28.08.1997	2863	2875
34/11-2 S	17.05.1996	4320	4328
35/8-1	24.01.1981	3743	3744
35/8-2	21.05.1982	3868	3885
35/10-2	22.08.1996	4319	4353

Wellbores with cores



Wellbore name	Wellbore completion date	Core length [m]
29/9-1	24.02.1984	5
33/9-13 S	24.12.1987	5
34/7-12	17.12.1987	7
34/8-5	01.04.1991	3
34/10-1	08.09.1978	11
34/10-4	15.10.1979	4
34/10-34	31.05.1991	6