



General information

Lithostrat. unit	TAU FM
NPDID lithostrat. unit	164
Level	FORMATION
Lithostrat. unit, parent	BOKNFJORD GP

Level below

Lithostrat. unit

Description



Tau Formation

Name

From a village within the Boknfjord area in Rogaland. The formation represents only the lowermost, radioactive part of the [Børglum Member](#) as defined by Deegan and Scull (1977).

Well type section

Norwegian well [9/4-3](#) (Conoco) from 2400 m to 2437 m, coord N 57°36'54.5", E 04°18'57.7" ([Fig 3.36](#)).

Well reference section

Norwegian well [8/1-1](#) (Phillips) from 2551 m to 2606 m, coord N 57°51'43.53", E 03°12'27.64" ([Fig 3.37](#)).

Thickness

37 m in the type well and 55 m in the reference well.

Lithology

The Tau Formation consists of dark grey to black, pyritic, fissile, organic-rich slightly to non-calcareous shales.

Boundaries

This formation is highly radioactive and the boundaries are characterized by prominent log breaks. The underlying [Egersund Formation](#) is less radioactive and has a lower interval transit time than the Tau Formation. The upper boundary may be more gradational but shows a marked increase in radioactivity compared to the overlying unit.

Distribution

The formation is confined to the central part of the type area of the [Boknfjord Group](#), and grades laterally into the [Børglum unit](#) southwards and eastwards.

Age

Kimmeridgian to Early Volgian.

Depositional environment

The Tau Formation was deposited in an anaerobic marine environment with high organic productivity and restricted bottom water circulation.

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]
8/1-1	07.02.1972	2551	2606
8/3-1	10.10.1966	1831	1890
8/3-2	04.12.1982	2200	2290



8/4-1	25.07.1977	2351	2397
8/5-1	28.03.2013	2260	2314
8/12-1	23.07.1971	2661	2663
9/1-1 S	21.11.2011	2262	2332
9/2-1	28.04.1987	2993	3097
9/2-2	21.09.1987	2957	3062
9/2-3	08.02.1990	3098	3188
9/2-4 S	11.04.1994	3875	3993
9/2-5	21.07.1995	3021	3078
9/2-6 S	15.10.1996	4627	4714
9/2-7 S	10.06.1997	3683	3784
9/2-8 S	02.02.1998	5689	5769
9/2-9 S	17.09.1999	3551	3669
9/2-11	29.03.2010	2492	2574
9/2-12	14.10.2019	2825	2932
9/2-A-4	13.08.1996	4478	4560
9/3-1	04.09.1986	1686	1749
9/3-2	09.12.2005	2503	2607
9/4-1	19.05.1968	2200	2251
9/4-2	29.08.1970	2396	2435
9/4-3	19.08.1972	2400	2437
9/4-4	20.08.1977	2598	2668
9/4-5	01.08.2006	2603	2654
9/11-1	19.08.1971	1993	2005
10/4-1	12.07.2015	2215	2245
10/7-1	30.07.1992	1486	1539
10/8-1	17.01.1971	1451	1464
11/5-1	12.09.2007	1107	1141
16/11-1 S	31.10.1967	2124	2142
16/11-1 S	31.10.1967	2152	2165
16/11-2	23.07.1973	2127	2202
17/3-1	20.08.1995	2311	2339
17/6-1	07.02.2011	2489	2542
17/8-1	23.10.2021	2393	2417
17/9-1	23.10.1973	2165	2205
17/9-1 R	11.06.1974	2165	2205
17/10-1	24.03.1969	2640	2675
17/11-1	30.06.1968	2180	2195
17/11-2	17.05.1976	2495	2513
17/12-1 R	21.06.1972	2167	2215
17/12-3	03.02.1980	2236	2288



17/12-4	10.07.2009	2149	2198
17/12-4 A	15.08.2009	2358	2438
17/12-4 B	26.08.2009	2309	2377
18/10-1	01.01.1980	2277	2319
18/11-1	31.03.1974	1747	1800

Wellbores with cores

Wellbore name	Wellbore completion date	Core length [m]
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