



General information

Lithostrat. unit	LYSING FM
NPDID lithostrat. unit	99
Level	FORMATION
Lithostrat. unit, parent	CROMER KNOLL GP

Level below

Lithostrat. unit

Description



Lysing Formation

Name

From the fish species *Merluccius merluccius* (hake).

Well type section

Well [6507/7-1](#) (Conoco), coordinates 65°27'16.7"N, 07°12'52.6"E, from 3000 m to 2926 m ([Fig 4.29](#)). No cores.

Well reference section

Well [6506/12-4](#) (Statoil), coordinates 65°12'46.97"N, 06°43'30.37"E, from 3150 m to 3132.5 m ([Fig 4.30](#)). The lower 15 m of the formation are cored, including the base.

Thickness

74 m in the type well and 17.5 m in the reference well.

Lithology

Predominantly fine to medium, occasionally coarse grained, white-grey sandstones, partly carbonate-cemented and interbedded with shales.

Basal Stratotype

The base is defined by a gradual decrease in the gamma ray log response and by the onset of a more nervous pattern on the resistivity and sonic logs.

Lateral extent and variation

The formation is widely distributed over the Halten Terrace, but is absent on the Trøndelag Platform. It thins to the south and north of the type well.

Age

Late Cenomanian to Turonian/Coniacian.

Depositional environment

Interpretations vary from shallow to deep marine, possibly as submarine fan deposits.

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.

Wellbores penetrating

Wellbore name	Wellbore completion date	Top depth [m]	Bottom depth [m]
6305/1-1	19.11.1998	3640	4560
6305/5-C-3 H	09.06.2022	4008	4303
6305/12-1	18.09.1991	2615	2645
6305/12-2	17.12.1993	2487	2505
6306/5-2	11.10.2015	2485	2550
6306/10-1	17.12.1990	1992	1999



6403/6-1	23.07.2006	4018	4120
6405/7-1	10.10.2003	3665	4300
6406/1-1	10.06.2001	3523	3541
6406/1-2	04.09.2003	3368	3387
6406/1-3	22.12.2004	3419	3442
6406/1-3 R	06.02.2005	3421	3444
6406/1-3 R2	14.03.2005	3419	3442
6406/1-4	26.12.2005	3440	3453
6406/2-1	09.04.1995	3415	3442
6406/2-1 R	07.01.1996	3413	3440
6406/2-2	27.03.1996	3445	3459
6406/2-2 R	03.03.2006	3439	3453
6406/2-3	15.04.1997	3429	3440
6406/2-4 S	05.04.1997	3485	3502
6406/2-4 SR	15.02.1999	3485	3502
6406/2-5	29.09.1997	3480	3501
6406/2-5 A	23.02.1998	3832	3852
6406/2-6	07.11.1998	3515	3532
6406/2-6 A	06.07.2000	3622	3640
6406/2-6 R	23.05.2000	3516	3533
6406/2-7	26.12.1999	3516	3530
6406/2-8	05.05.2015	3438	3531
6406/2-9 S	15.01.2019	3486	3669
6406/3-3	26.10.1986	3188	3222
6406/3-5	01.06.1988	3179	3214
6406/3-6	15.11.2002	3095	3124
6406/3-8	10.08.2010	3244	3303
6406/3-9	26.03.2012	3395	3500
6406/3-10	05.04.2020	3352	3442
6406/3-10 A	31.08.2021	3580	3685
6406/5-1	30.04.2002	3377	3385
6406/6-3	09.07.2013	2848	3172
6406/6-4 S	30.10.2015	3335	3340
6406/6-6 A	05.01.2019	3331	3954
6406/6-6 S	16.11.2018	3331	3954
6406/9-1	02.06.2005	2928	3405
6406/9-2	01.07.2007	2946	3472
6406/9-3	29.09.2013	2870	3299
6407/1-2	15.05.1983	3048	3082
6407/1-4	23.08.1996	3116	3154
6407/1-5 S	21.05.2012	3188	3228



6407/1-6 S	24.01.2013	3099	3141
6407/1-7	22.03.2014	2974	2997
6407/1-7 A	20.04.2014	3033	3066
6407/1-8 S	28.10.2020	2930	2950
6407/1-9	28.10.2021	3179	3232
6407/7-5	15.02.1991	3003	3120
6407/7-8	14.09.2008	2840	3119
6407/7-8 A	05.11.2008	2840	3119
6407/7-9 A	16.10.2016	3299	3367
6407/7-9 S	20.09.2016	2807	2867
6407/10-2	23.06.1990	2378	2386
6407/10-5	18.09.2015	2236	2257
6505/10-1	04.07.1998	3688	3746
6506/3-1	19.08.2001	3090	3111
6506/5-1 S	21.03.2020	3081	3137
6506/6-1	07.12.2000	3015	3086
6506/6-2	25.02.2013	3071	3161
6506/9-1	15.09.2009	3059	3133
6506/9-2 S	28.04.2010	3176	3212
6506/9-3	27.08.2013	3153	3230
6506/9-4 A	13.07.2018	3200	3228
6506/9-4 S	27.04.2018	3179	3246
6506/11-1	31.03.1988	3159	3211
6506/11-2	26.10.1991	3323	3413
6506/11-3	02.10.1992	3121	3202
6506/11-4 S	06.06.1996	3500	3620
6506/11-5 S	10.11.1996	3353	3401
6506/11-6	22.08.1998	3537	3571
6506/11-7	27.07.2001	3336	3465
6506/11-8	16.07.2006	3393	3557
6506/11-9 S	03.09.2012	3494	3597
6506/11-10	17.04.2018	3201	3275
6506/11-12 S	28.07.2020	3231	3371
6506/12-1	06.02.1985	3175	3190
6506/12-3	17.07.1985	3146	3173
6506/12-4	13.08.1985	3133	3150
6506/12-5	27.03.1986	3157	3187
6506/12-6	02.08.1986	3248	3271
6506/12-7	12.08.1987	3265	3306
6506/12-8	30.08.1988	3158	3185
6506/12-9 S	10.09.1993	3344	3383



6506/12-10	26.06.1995	3353	3372
6506/12-10 A	11.12.1995	3457	3580
6506/12-11 S	07.09.1996	3681	3728
6506/12-11 SR	01.02.1997	3681	3728
6506/12-12 A	01.09.2009	3534	3580
6506/12-12 S	06.08.2009	3534	3580
6507/1-1	02.11.2004	3446	3510
6507/2-1	29.09.1986	2874	2879
6507/2-2	16.03.1992	2818	2831
6507/2-3	05.05.1994	2850	2891
6507/2-4	19.02.2008	2832	2853
6507/2-5 S	14.09.2019	2953	2981
6507/3-9 S	15.07.2012	2849	2884
6507/3-12	28.02.2017	2615	2621
6507/3-13	01.06.2019	2834	2859
6507/3-14	18.09.2021	2845	2877
6507/4-1	10.11.2020	3037	3109
6507/4-2 S	19.05.2021	2890	2963
6507/4-3 S	13.06.2022	3015	3088
6507/5-1	03.05.1998	2716	2718
6507/5-3	23.06.2000	2838	2893
6507/5-4	15.04.2001	2788	2793
6507/5-4 A	03.06.2001	2842	2848
6507/5-5	14.02.2002	2754	2757
6507/5-6 S	08.06.2010	4676	4772
6507/5-8	27.03.2018	2800	2830
6507/7-1	01.12.1984	2926	3000
6507/7-11 S	14.08.1997	2901	2915
6507/7-12	12.08.1999	2858	2897
6507/7-14 S	26.09.2010	2972	3036
6507/7-15 S	02.05.2012	2955	3030
6507/7-16 S	18.12.2019	2774	2783
6507/10-1	31.10.1982	2725	2728
6507/10-2 S	10.02.2014	2530	2613
6507/11-7	12.02.2007	2777	2817
6603/5-1 S	20.12.2010	3245	3744
6605/8-1	22.10.2005	4184	4485
6605/8-2	10.07.2008	3886	4158
6607/5-1	11.09.1987	2968	3026
6607/12-3	26.12.2012	2982	3005
6607/12-4	13.10.2020	2873	2880



6607/12-4 A	30.10.2020	2954	2974
6607/12-5	22.10.2022	3766	3833
6608/8-2	29.11.2007	2597	2600
6608/10-1	29.05.1989	2661	2663
6608/10-5	06.08.1995	2466	2550
6608/10-11 S	15.08.2006	2909	2924
6608/10-12	21.12.2008	2534	2539
6608/10-12 A	25.01.2009	2624	2631
6608/10-17 S	31.01.2017	2779	2796
6608/10-18	17.08.2018	2850	2871
6608/10-18 A	15.09.2018	3056	3080
6608/10-18 B	03.10.2018	3076	3096
6609/6-1	07.11.2007	2463	2492
6610/2-1 S	28.09.1996	2050	2067
6610/3-1	17.02.1993	2504	2543
6610/3-1	17.02.1993	2655	2691
6610/3-1 R	11.12.1993	2505	2542
6610/3-1 R	11.12.1993	2655	2695
6610/3-1 R2	07.10.1996	2507	2544
6610/3-1 R2	07.10.1996	2657	2697
6610/10-1	03.02.2013	1783	1792
6705/7-1	01.05.2017	3196	3290
6706/11-1	22.03.1998	4138	4221
6707/10-3 S	29.12.2014	4321	4351

Wellbores with cores

Wellbore name	Wellbore completion date	Core length [m]
6305/1-1	19.11.1998	27
6405/7-1	10.10.2003	31
6407/7-5	15.02.1991	9
6505/10-1	04.07.1998	28
6506/3-1	19.08.2001	9
6506/5-1 S	21.03.2020	55
6506/11-3	02.10.1992	27
6506/12-4	13.08.1985	18
6506/12-5	27.03.1986	30
6507/2-2	16.03.1992	9
6507/2-3	05.05.1994	41
6507/2-4	19.02.2008	17



6507/3-9 S	15.07.2012	32
6507/3-13	01.06.2019	19
6507/5-3	23.06.2000	14
6507/5-8	27.03.2018	30
6605/8-1	22.10.2005	9
6605/8-2	10.07.2008	48
6607/5-1	11.09.1987	8
6607/12-5	22.10.2022	61
6610/2-1 S	28.09.1996	16
6610/3-1	17.02.1993	47
6707/10-3 S	29.12.2014	21