



Generell informasjon

Litostrat. enhet	HIDRA FM
NPDID for litostrat. enhet	65
Nivå	FORMATION
Litostrat. enhet, forelder	SHETLAND GP

Nivå under

Litostrat. enhet

Beskrivelse

Hidra Formation
Name
Named by Deegan & Scull (1977) after the Hidra High in Norwegian blocks 1/3 and 2/1. The name Hidra is after the island of Hidra on the southern coast of Norway.
Well type section
Norwegian well 1/3-1 from 4441 m to 4371 m, coordinates N 56°51'21.00", E 02°51'05.00" (Fig 5.24). No cores.
Well reference sections
UK well 22/1-2A from 3783 m to 3738 m, coordinates N 57°56'12.20", E 01°02'55.80" (Fig 5.25). No cores. UK well 29/25-1 from 2258.5 m to 2228 m, coordinates N 56°18'10.00", E 01°51'48.80" (Fig 5.26). No cores. Danish well BO-1 from 2275.5 m to 2220 m, coordinates N 55°48'8.22", E 04°34'18.66" (Fig 5.27). Cored through the upper 35 m.
Thickness
The formation is 70 m thick in the type well, 45 m in 22/1-2 A, 30.5 m in 29/25-1 and 55.5 m in BO-1. Seismic interpretation suggests that the formation reaches a maximum thickness of about 150 m in the northwestern part of the Central Trough in the Norwegian sector.
Lithology
In the type well the formation consists of white to light grey, hard chalks with thin interbeds of grey to black shale in the lower part of the formation. Locally the formation is more marly with interbedded marly chalk and marl. The chalks are occasionally softer with abundant glauconite and pyrite. The colour may be white, grey, green, brown or pink. At the base of the formation in UK well 22/1-2 A, hard, black, carbonaceous and argillaceous limestones are present. Traces of pink waxy tuff occur in places. The formation is generally highly bioturbated.
Basal stratotype
The formation usually shows a gamma-ray response that has constant low values and high velocities. These contrast sharply at the lower boundary with the higher gamma-ray response and lower velocity of the Asgard and Sola formations. The lower boundary is more gradational when the carbonate-rich facies of the Rødby Formation is present beneath the Hidra Formation.



Characteristics of the upper boundary

The upper boundary is defined by the stratotype of the [Blodøks Formation](#). The boundary is characterised by a change from the chalk lithology to mainly mudstone. This is seen as an abrupt change to higher gamma-ray response and a decrease in velocity in the [Blodøks Formation](#). The boundary shows as a glauconitised hardground in the core from Danish well BO-1.

Distribution

The formation is found in the central and southern North Sea. In the Norwegian sector, it is missing above highs such as the Sørvestlandet, Mandal, Jæren, Utsira and Sele highs, the Grensen Ridge, as well as many of the salt diapirs.

Age

Cenomanian.

Depositional environment

Open marine with a perioditic or turbiditic origin for the sediments.

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]
1/3-1	11.11.1968	4371	4441
1/3-2	27.07.1969	4060	4131
1/3-5	11.02.1985	4568	4580
1/3-8	27.05.1997	4402	4456
1/3-9 S	31.07.1998	3898	3900
1/3-12 S	22.07.2010	5082	5188
1/5-5	16.09.2016	5239	5385
1/6-7	12.07.1992	4162	4291
1/9-1	17.02.1977	3662	3703
1/9-1 R	17.05.1987	3659	3704
1/9-3 R	30.09.1978	3683	3790
1/9-4	12.01.1978	3494	3646
1/9-4 R	26.04.1991	3494	3646
1/9-7	02.08.2003	3705	3789
2/1-3	29.03.1980	3524	3534
2/1-4	03.08.1982	3723	3741
2/1-5	05.04.1983	3758	3768
2/1-6	12.08.1984	3806	3825
2/1-7	06.03.1985	3786	3802
2/1-8	23.11.1985	3621	3630



Faktasider Stratigrafi

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2/1-9	06.07.1991	3783	3800
2/1-9 A	08.03.1992	3799	3819
2/1-10	14.01.1992	3822	3852
2/1-11	07.05.1997	4055	4097
2/1-13 S	07.03.2009	4065	4115
2/1-14 S	28.02.2009	5729	5739
2/1-17 S	08.11.2019	3841	3853
2/4-8	29.03.1972	3460	3484
2/4-11	09.04.1974	3764	3787
2/4-14	31.01.1989	4561	4634
2/4-14 R	06.04.1990	4573	4646
2/4-14 R2	14.04.1990	4561	4634
2/4-15 S	16.03.1990	4817	4890
2/4-15 SR	27.10.2003	4817	4890
2/4-16	04.11.1991	4598	4638
2/4-16 R	15.07.1992	4598	4638
2/4-18 R	10.07.1994	4445	4464
2/4-20	14.03.2008	4692	4745
2/4-21	24.05.2012	4520	4540
2/4-21 A	24.07.2012	4520	4540
2/4-23 S	05.09.2015	4824	4847
2/5-1	22.11.1970	3594	3635
2/5-9	18.01.1992	4081	4083
2/5-13	21.01.2009	4276	4320
2/7-1	11.12.1970	3303	3423
2/7-2	02.03.1971	3745	3752
2/7-7	29.03.1973	2967	3018
2/7-9	10.04.1974	3898	3962
2/7-13	21.04.1979	3182	3274
2/7-15	02.06.1980	3372	3419
2/7-16	12.07.1980	3975	4271
2/7-19	02.02.1981	4081	4212
2/7-19 R	14.03.1990	4078	4209
2/7-20	25.06.1988	3906	3965
2/7-20 R	01.11.1991	3903	3962
2/7-21 S	09.01.1990	4165	4202
2/7-21 SR	14.10.1991	4172	4209
2/7-22	15.10.1990	3992	4086
2/7-23 S	21.11.1990	4150	4213
2/7-24	13.04.1991	2970	2994
2/7-25 S	31.03.1991	4512	4538



Faktasider Stratigrafi

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2/7-26 S	13.09.1991	3989	4057
2/7-27 S	17.06.1992	4170	4238
2/7-28	07.08.1992	3096	3176
2/7-29	06.01.1994	4107	4225
2/7-31	09.06.1999	4087	4204
2/8-3	03.09.1972	3169	3192
2/8-4	07.06.1973	2778	2780
2/8-6	30.06.1975	2606	2627
2/8-8	15.03.1976	2603	2619
2/8-9	27.06.1976	2640	2658
2/8-10	29.08.1976	2639	2653
2/8-11	11.10.1976	2615	2624
2/8-12 S	27.04.1989	3235	3257
2/8-14	22.01.1991	2847	2874
2/8-18 S	13.07.2012	2841	2852
2/10-1 S	23.04.1976	4058	4091
2/10-2	25.04.1993	3566	3709
2/11-1	03.10.1969	2863	2887
2/11-4	18.05.1978	2815	2840
2/11-7	06.09.1986	3591	3620
2/11-8	11.07.1991	3869	3950
2/11-9	23.12.1993	3661	3734
2/11-11	27.07.2015	3395	3410
2/11-12 S	12.02.2019	2946	2956
2/12-1	12.03.1987	3709	3917
2/12-2 S	14.09.1990	4187	4215
3/5-1	28.06.1978	2647	2683
3/5-2	20.08.1978	3013	3062
3/8-1	29.12.2010	3114	3130
7/4-1	21.08.1993	2827	2840
7/4-3	03.06.2013	2678	2692
7/8-1	05.02.1969	3095	3135
7/8-3	12.12.1983	3367	3393
7/8-4	20.02.1985	3705	3728
7/8-5 S	03.06.2006	3576	3593
7/11-1	15.06.1968	3703	3740
7/11-5	10.06.1982	3865	3928
7/11-6	20.10.1982	3821	3895
7/11-7	25.12.1983	4208	4318
7/11-7 R	08.10.1984	4208	4318
7/11-8	12.12.1983	3655	3676



Faktasider Stratigrafi

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7/11-9	09.03.1986	3874	3899
7/11-10 S	10.09.1990	4148	4198
7/11-11 S	10.06.2007	4072	4145
7/11-12 A	31.12.2011	4762	4995
7/11-12 S	16.07.2011	4660	4807
7/11-13	03.11.2012	3632	3641
7/12-5	07.06.1981	3323	3332
7/12-6	24.07.1981	3085	3092
7/12-10	29.08.1991	3283	3284
7/12-10	29.08.1991	3284	3286
8/10-1	01.07.1969	2570	2580
8/10-2	17.03.1980	2510	2513
8/11-1	29.06.1975	2512	2528
8/12-1	23.07.1971	2300	2340
9/4-2	29.08.1970	1950	1952
9/4-3	19.08.1972	1958	1967
9/4-4	20.08.1977	1840	1853
9/12-1	06.05.1969	1530	1550
10/5-1	26.06.1976	1040	1046
10/8-1	17.01.1971	1157	1183
15/2-1	24.02.1982	3551	3668
15/3-11	09.08.2018	3438	3540
15/3-12 A	03.03.2020	3464	3529
15/3-12 S	20.01.2020	3353	3428
15/5-1	08.04.1978	3299	3363
15/5-2	16.12.1978	3588	3647
15/5-3	07.12.1980	3419	3510
15/6-11 A	13.03.2011	3718	3802
15/6-11 S	19.12.2010	3502	3549
15/6-13	15.05.2015	3330	3360
15/6-13 A	03.06.2015	3563	3603
15/6-13 B	29.06.2015	3536	3565
15/6-14 S	26.12.2017	4271	4370
15/8-2	21.10.2011	3432	3558
15/9-2	17.06.1978	3263	3303
15/9-4	14.06.1979	3162	3192
15/9-5	11.04.1980	3253	3298
15/9-6	07.09.1980	3350	3392
15/9-7	29.04.1981	3222	3266
15/9-8	25.05.1981	3166	3197
15/9-9	14.07.1981	2590	2597



15/9-11	23.12.1981	2700	2705
15/9-12	27.02.1982	3246	3295
15/9-23	03.01.2010	2858	2889
15/12-12	09.02.2001	2675	2711
15/12-16 S	31.03.2006	2683	2693
15/12-17 A	23.03.2007	3039	3047
15/12-17 S	04.02.2007	3039	3047
15/12-18 S	07.11.2007	3058	3138
15/12-21	21.05.2009	2784	2836
15/12-21 A	21.06.2009	2889	2970
15/12-22	16.05.2010	2643	2676
15/12-23	29.05.2010	2846	2907
15/12-23 A	18.07.2010	4168	4270
15/12-26	13.05.2021	2458	2545
16/10-5	27.11.2012	2689	2709
17/4-1	26.08.1968	1438	1444
17/11-2	17.05.1976	1700	1787
25/7-1 S	19.07.1986	3217	3522
25/8-1	04.07.1970	1923	1936
25/11-15	25.12.1991	1904	1926
25/11-26	17.02.2013	1961	2020

Brønnbaner med kjerner

Brønnbane navn	Dato for boreslutt	Kjernelengde [m]
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