Generell informasjon

Litostrat. enhet	FUGLEN FM
NPDID for litostrat. enhet	47
Nivå	FORMATION
Litostrat. enhet, forelder	ADVENTDALEN GP

Nivå under

Litostrat. enhet

Beskrivelse

Fuglen Formation

Name

Fuglen lighthouse is situated on the western tip of Sørøy at 70°40'N and 21°55'E. The unit corresponds to T3-1 or Risfjord Formation of earlier informal schemes.

Well type section

Well 7120/12-1 (Norsk Hydro), coordinates 71°06'48.7"N, 20°45'20.1"E, from 2047 m to 2019 m (Fig 4.50). The lowermost 5 m and the contact with the underlying Stø Formation are cored in this well.

Well reference section

Well 7119/12-1 (Statoil), coordinates 71°06'08.00"N, 19°47'40.29"E, from 2658 to 2610 m (Fig 4.51).

Thickness

28 m in the type well and 48 m in the reference well.

Lithology

Pyritic mudstones with interbedded thin limestones give characteristic gamma, sonic and density log responses. The shales are dark brown and the limestones white to brownish grey.

Basal Stratotype

The lower boundary is marked by sharp increases in gamma ray and density responses and by an accompanying decrease in interval transit time.

Lateral extent and variation

The formation is thickest in southwestern parts of the Hammerfest Basin, thinning to less than 10 m on the central highs in the basin; these areas are characterized by rare, thin limestones and by pyritic shales.

Age

Late Callovian to Oxfordian.

Depositional environment

The formation was deposited in marine environments during a highstand with ongoing tectonic movements. Coarse clastic sources were not emergent, but local block structures were the sites of low sedimentation rates.

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.

Brønnbaner som penetrerer

Brønnbane navn	Dato for boreslutt	Topp dyp [m]	Bunn dyp [m]
7018/5-1	27.11.2020	734	910
7019/1-1	03.12.2000	2377	2447
7119/9-1	25.09.1984	2719	2748

7119/12-1	10.10.1980	2610	2658
7119/12-2	26.06.1981	1322	1372
7119/12-3	12.09.1983	3107	3144
7119/12-4	17.02.2011	2238	2296
7120/1-2	28.03.1989	2158	2211
7120/2-2	23.03.1991	2656	2692
7120/2-3 S	09.07.2011	2018	2071
7120/5-1	06.06.1985	2271	2285
7120/6-1	02.05.1985	2367	2386
7120/6-2 S	22.07.2007	2550	2564
7120/7-1	08.10.1982	2390	2408
7120/7-2	21.08.1983	2141	2150
7120/7-3	09.06.1984	2863	2889
7120/8-1	10.09.1981	2086	2092
7120/8-2	29.07.1982	2078	2081
7120/8-3	24.05.1983	2187	2192
7120/8-4	10.12.2007	2250	2264
7120/9-2	20.10.1984	1965	1971
7120/10-1	08.09.1984	1533	1568
7120/12-1	12.10.1980	2019	2047
7120/12-2	11.09.1981	1875	1892
7120/12-3	05.05.1983	2142	2158
7120/12-5	03.01.2011	2153	2165
7121/1-2 S	02.03.2019	3285	3343
7121/4-1	27.10.1984	2307	2318
7121/4-2	14.04.1985	2450	2480
7121/5-1	28.09.1985	2357	2369
7121/5-2	06.07.1986	2305	2323
7121/7-1	05.08.1984	1848	1849
7121/7-2	12.08.1986	1880	1882
7121/8-1	15.07.2017	1909	1911
7121/9-1	29.11.2011	2318	2328
7122/2-1	11.11.1992	2025	2068
7122/4-1	13.01.1992	2297	2326
7122/7-1	05.10.2000	1088	1102
7122/7-2	19.10.2001	1067	1078
7122/7-3	08.01.2006	1073	1087
7122/7-4 S	25.11.2006	1162	1177
7122/7-5	23.12.2006	1168	1181
7122/7-5 A	13.01.2007	1168	1200
7122/7-6	04.01.2013	1110	1122

7122/7-7 S	26.12.2018	1157	1166
7122/10-1 S	28.09.2017	616	620
7124/4-1 S	12.10.2011	1252	1259
7125/4-1	07.03.2007	869	872
7130/4-1	08.01.2016	601	605
7132/2-1	09.02.2019	687	701
7132/2-2	07.04.2019	742	752
7219/8-1 S	26.12.1992	4328	4521
7219/8-2	30.09.2013	2798	2898
7219/9-1	25.02.1988	1919	1951
7219/9-2	02.07.2017	2396	2556
7219/12-2 A	30.11.2017	1616	1618
7219/12-3 S	17.01.2018	2202	2243
7220/5-1	24.03.2012	1312	1337
7220/5-2	08.07.2013	1464	1532
7220/5-3	26.10.2018	1377	1413
7220/7-1	24.01.2012	1740	1781
7220/7-3 S	05.05.2014	1426	1448
7220/7-4	14.03.2021	1762	1820
7220/8-1	02.05.2011	1252	1276
7220/10-1	16.10.2012	1499	1513
7224/2-1	04.03.2016	669	682
7224/6-1	21.08.2008	974	1004
7224/7-1	19.06.1988	861	894
7225/3-1	25.09.2011	695	727
7225/3-2	07.08.2013	702	729
7226/2-1	19.07.2008	864	901
7227/10-1	10.11.2014	1537	1539
7228/1-1	26.04.2012	928	967
7228/2-1 S	20.12.1989	1236	1275
7228/7-1 A	02.02.2001	1347	1361
7228/7-1 B	10.02.2001	1347	1361
7228/7-1 S	08.01.2001	1348	1362
7228/9-1 S	07.05.1990	1069	1073
7229/11-1	15.12.1993	1267	1270
7234/6-1	19.07.2021	708	730
7317/9-1	07.10.2017	893	980
7318/12-2	22.03.2017	3380	3417
7321/4-1	01.10.2018	1270	1341
7321/7-1	22.10.1988	1965	1999
7321/8-1	03.09.1987	1427	1437

7321/8-2 S	01.07.2020	1610	1621
7321/9-1	28.11.1988	1367	1379
7322/6-1 S	28.05.2021	679	707
7324/2-1	18.06.2014	757	849
7324/3-1	21.11.2018	784	877
7324/6-1	31.07.2019	746	792
7324/7-1 S	03.11.2013	733	780
7324/7-2	06.07.2014	666	712
7324/7-3 S	14.04.2016	691	789
7324/8-1	17.09.2013	621	662
7324/8-2	16.05.2015	632	668
7324/8-3	17.09.2017	626	665
7324/9-1	07.08.2014	675	696
7324/10-1	19.08.1989	561	569
7325/1-1	21.07.2014	779	876
7325/4-1	03.08.2017	732	772
7335/3-1	15.06.2019	543	577
7435/12-1	01.09.2017	539	577

Brønnbaner med kjerner

Brønnbane navn	Dato for boreslutt	Kjernelengde [m]
7119/9-1	25.09.1984	3
7120/2-3 S	09.07.2011	7
7120/6-1	02.05.1985	10
7120/7-3	09.06.1984	21
7120/12-1	12.10.1980	5
7120/12-2	11.09.1981	4
7121/4-2	14.04.1985	17
7121/5-1	28.09.1985	4
7122/7-2	19.10.2001	3
7122/7-3	08.01.2006	4
7219/9-1	25.02.1988	28
7321/9-1	28.11.1988	12
7324/7-2	06.07.2014	6
7324/8-1	17.09.2013	0
7324/8-3	17.09.2017	15