



## Generell informasjon

|                            |                                |
|----------------------------|--------------------------------|
| Litostrat. enhet           | KOLMULE FM                     |
| NPDID for litostrat. enhet | 85                             |
| Nivå                       | FORMATION                      |
| Litostrat. enhet, forelder | <a href="#">ADVENTDALEN GP</a> |

## Nivå under

|                  |
|------------------|
| Litostrat. enhet |
|------------------|

## Beskrivelse



## Kolmule Formation

### Name

From the fish species *Micromesistius poutassou* (blue whiting). The formation corresponds to T4-4 (Torsvåg Formation) of earlier informal terminology.

### Type well

Well [7119/12-1](#) (Statoil), coordinates 71°06'08.00"N, 19°47'40.29"E, from 2004 m to 1059 m ([Fig 4.54](#)).

### Reference well

Well [7120/12-1](#) (Norsk Hydro), coordinates 71°06'48.7"N, 20°45'20.1"E, from 1272 m to 742 m ([Fig 4.53](#)).

### Thickness

945 m in the type well and 530 m in the reference well.

### Lithology

Dark grey to green claystone and shale, silty in parts with minor thin siltstone interbeds and limestone and dolomite stringers. Traces of glauconite and pyrite occur. The reference well has the same lithology.

### Basal Stratotype

In the type well the base is defined by sharply increasing interval transit time and neutron porosity readings and a slight decrease in gamma log response. The reference well shows a similar sonic and neutron log trend, although with a gradually increasing gamma ray log response.

### Lateral extent and variation

The formation thickens towards and into the Tromsø Basin and shows a slight increase in thickness eastwards in the Hammerfest Basin. Lithologies are laterally continuous.

### Age

Aptian to mid-Cenomanian.

### Depositional environment

Open marine environments are indicated.

### Correlation

The lower parts of the formation correlate to the prodeltaic to open shelf deposits of the Carolinefjellet Formation on the Svalbard Platform. The base of the unit marks a regionally significant transgressive pulse; its top is eroded by the Cretaceous uplift of northern shelf margins. The youngest beds preserved onland Svalbard are of Albian age.

### 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



## Faktasider

### Stratigrafi

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| Brønnbane navn             | Dato for boreslutt | Topp dyp [m] | Bunn dyp [m] |
|----------------------------|--------------------|--------------|--------------|
| <a href="#">7018/5-1</a>   | 27.11.2020         | 416          | 565          |
| <a href="#">7019/1-1</a>   | 03.12.2000         | 1215         | 2127         |
| <a href="#">7117/9-1</a>   | 16.07.1982         | 1875         | 3200         |
| <a href="#">7117/9-2</a>   | 09.09.1983         | 1393         | 5000         |
| <a href="#">7119/7-1</a>   | 11.09.1983         | 2815         | 3075         |
| <a href="#">7119/9-1</a>   | 25.09.1984         | 1585         | 2550         |
| <a href="#">7119/12-1</a>  | 10.10.1980         | 1058         | 2004         |
| <a href="#">7119/12-2</a>  | 26.06.1981         | 452          | 990          |
| <a href="#">7119/12-3</a>  | 12.09.1983         | 1456         | 2715         |
| <a href="#">7119/12-4</a>  | 17.02.2011         | 1116         | 1636         |
| <a href="#">7120/1-2</a>   | 28.03.1989         | 1585         | 1586         |
| <a href="#">7120/1-2</a>   | 28.03.1989         | 1591         | 1826         |
| <a href="#">7120/2-2</a>   | 23.03.1991         | 1450         | 1948         |
| <a href="#">7120/2-3 S</a> | 09.07.2011         | 1441         | 1702         |
| <a href="#">7120/5-1</a>   | 06.06.1985         | 1230         | 2170         |
| <a href="#">7120/6-1</a>   | 02.05.1985         | 1117         | 1843         |
| <a href="#">7120/6-2 S</a> | 22.07.2007         | 1176         | 1954         |
| <a href="#">7120/6-3 S</a> | 30.11.2012         | 1289         | 1970         |
| <a href="#">7120/7-1</a>   | 08.10.1982         | 1170         | 1746         |
| <a href="#">7120/7-2</a>   | 21.08.1983         | 1092         | 1666         |
| <a href="#">7120/7-3</a>   | 09.06.1984         | 1496         | 2570         |
| <a href="#">7120/8-1</a>   | 10.09.1981         | 1150         | 1650         |
| <a href="#">7120/8-2</a>   | 29.07.1982         | 961          | 1552         |
| <a href="#">7120/8-3</a>   | 24.05.1983         | 1200         | 1962         |
| <a href="#">7120/8-4</a>   | 10.12.2007         | 1279         | 1798         |
| <a href="#">7120/9-1</a>   | 26.09.1982         | 984          | 1607         |
| <a href="#">7120/9-2</a>   | 20.10.1984         | 1097         | 1847         |
| <a href="#">7120/10-1</a>  | 08.09.1984         | 694          | 1210         |
| <a href="#">7120/10-2</a>  | 05.09.1990         | 703          | 1442         |
| <a href="#">7120/12-1</a>  | 12.10.1980         | 742          | 1272         |
| <a href="#">7120/12-2</a>  | 11.09.1981         | 745          | 1309         |
| <a href="#">7120/12-3</a>  | 05.05.1983         | 864          | 1422         |
| <a href="#">7120/12-5</a>  | 03.01.2011         | 826          | 1399         |
| <a href="#">7121/1-2 S</a> | 02.03.2019         | 2072         | 2149         |
| <a href="#">7121/4-1</a>   | 27.10.1984         | 1052         | 1817         |
| <a href="#">7121/4-2</a>   | 14.04.1985         | 1112         | 1885         |
| <a href="#">7121/5-1</a>   | 28.09.1985         | 1036         | 1930         |
| <a href="#">7121/5-2</a>   | 06.07.1986         | 977          | 1820         |
| <a href="#">7121/5-3</a>   | 09.03.2001         | 865          | 1625         |



## Faktasider Stratigrafi

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|                             |            |      |      |
|-----------------------------|------------|------|------|
| <a href="#">7121/7-1</a>    | 05.08.1984 | 931  | 1588 |
| <a href="#">7121/7-2</a>    | 12.08.1986 | 923  | 1578 |
| <a href="#">7121/8-1</a>    | 15.07.2017 | 873  | 1584 |
| <a href="#">7121/9-1</a>    | 29.11.2011 | 910  | 1545 |
| <a href="#">7122/2-1</a>    | 11.11.1992 | 764  | 1764 |
| <a href="#">7122/4-1</a>    | 13.01.1992 | 910  | 1887 |
| <a href="#">7122/6-1</a>    | 11.11.1987 | 916  | 1649 |
| <a href="#">7122/6-2</a>    | 19.09.2006 | 852  | 1623 |
| <a href="#">7122/6-3 S</a>  | 10.10.2021 | 852  | 1583 |
| <a href="#">7122/7-1</a>    | 05.10.2000 | 635  | 984  |
| <a href="#">7122/7-2</a>    | 19.10.2001 | 638  | 986  |
| <a href="#">7122/7-3</a>    | 08.01.2006 | 650  | 865  |
| <a href="#">7122/7-4 S</a>  | 25.11.2006 | 629  | 865  |
| <a href="#">7122/7-5</a>    | 23.12.2006 | 655  | 961  |
| <a href="#">7122/7-5 A</a>  | 13.01.2007 | 655  | 961  |
| <a href="#">7122/7-6</a>    | 04.01.2013 | 645  | 980  |
| <a href="#">7122/7-7 S</a>  | 26.12.2018 | 676  | 1050 |
| <a href="#">7123/4-1 A</a>  | 14.05.2008 | 860  | 1638 |
| <a href="#">7123/4-1 S</a>  | 21.04.2008 | 860  | 1638 |
| <a href="#">7124/3-1</a>    | 20.10.1987 | 618  | 1220 |
| <a href="#">7124/4-1 S</a>  | 12.10.2011 | 600  | 1154 |
| <a href="#">7125/1-1</a>    | 30.12.1988 | 617  | 1314 |
| <a href="#">7125/4-1</a>    | 07.03.2007 | 538  | 699  |
| <a href="#">7125/4-1</a>    | 07.03.2007 | 702  | 733  |
| <a href="#">7125/4-2</a>    | 01.12.2008 | 553  | 812  |
| <a href="#">7125/4-3</a>    | 07.09.2014 | 557  | 880  |
| <a href="#">7131/4-1</a>    | 13.05.2005 | 430  | 824  |
| <a href="#">7132/2-1</a>    | 09.02.2019 | 345  | 654  |
| <a href="#">7132/2-2</a>    | 07.04.2019 | 345  | 707  |
| <a href="#">7218/8-1</a>    | 10.04.2014 | 1893 | 3000 |
| <a href="#">7218/11-1</a>   | 10.04.2013 | 1559 | 2542 |
| <a href="#">7219/8-1 S</a>  | 26.12.1992 | 1545 | 2080 |
| <a href="#">7219/8-2</a>    | 30.09.2013 | 1753 | 2531 |
| <a href="#">7219/9-1</a>    | 25.02.1988 | 1468 | 1836 |
| <a href="#">7219/9-2</a>    | 02.07.2017 | 1323 | 1730 |
| <a href="#">7219/11-1</a>   | 02.02.2021 | 1974 | 2015 |
| <a href="#">7219/12-2 A</a> | 30.11.2017 | 1602 | 1608 |
| <a href="#">7219/12-2 S</a> | 07.11.2017 | 1548 | 1553 |
| <a href="#">7219/12-3 S</a> | 17.01.2018 | 1832 | 1980 |
| <a href="#">7220/2-1</a>    | 10.10.2014 | 655  | 828  |
| <a href="#">7220/4-1</a>    | 25.02.2014 | 1294 | 2171 |



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|                              |            |      |      |
|------------------------------|------------|------|------|
| <a href="#">7220/5-1</a>     | 24.03.2012 | 1035 | 1238 |
| <a href="#">7220/5-2</a>     | 08.07.2013 | 988  | 1252 |
| <a href="#">7220/5-3</a>     | 26.10.2018 | 1009 | 1364 |
| <a href="#">7220/7-1</a>     | 24.01.2012 | 1316 | 1710 |
| <a href="#">7220/7-2 S</a>   | 16.12.2013 | 980  | 1119 |
| <a href="#">7220/7-3 S</a>   | 05.05.2014 | 1180 | 1402 |
| <a href="#">7220/7-4</a>     | 14.03.2021 | 1219 | 1578 |
| <a href="#">7220/8-1</a>     | 02.05.2011 | 1014 | 1227 |
| <a href="#">7220/10-1</a>    | 16.10.2012 | 1272 | 1456 |
| <a href="#">7220/11-1</a>    | 17.10.2014 | 556  | 580  |
| <a href="#">7220/11-2</a>    | 03.05.2015 | 587  | 623  |
| <a href="#">7220/11-2 A</a>  | 14.06.2015 | 587  | 623  |
| <a href="#">7220/11-3</a>    | 02.09.2015 | 575  | 601  |
| <a href="#">7220/11-3 A</a>  | 29.09.2015 | 575  | 601  |
| <a href="#">7220/11-3 AR</a> | 10.10.2016 | 575  | 601  |
| <a href="#">7220/11-5 S</a>  | 08.10.2018 | 578  | 608  |
| <a href="#">7221/4-1</a>     | 01.12.2020 | 494  | 504  |
| <a href="#">7223/5-1</a>     | 14.01.2009 | 467  | 501  |
| <a href="#">7224/6-1</a>     | 21.08.2008 | 419  | 890  |
| <a href="#">7224/7-1</a>     | 19.06.1988 | 401  | 762  |
| <a href="#">7225/3-1</a>     | 25.09.2011 | 416  | 636  |
| <a href="#">7225/3-2</a>     | 07.08.2013 | 478  | 639  |
| <a href="#">7226/2-1</a>     | 19.07.2008 | 454  | 727  |
| <a href="#">7226/11-1</a>    | 11.04.1988 | 374  | 1141 |
| <a href="#">7227/10-1</a>    | 10.11.2014 | 558  | 1473 |
| <a href="#">7227/11-1 A</a>  | 24.03.2006 | 262  | 1091 |
| <a href="#">7227/11-1 S</a>  | 22.02.2006 | 262  | 1091 |
| <a href="#">7228/1-1</a>     | 26.04.2012 | 416  | 843  |
| <a href="#">7228/2-1 S</a>   | 20.12.1989 | 373  | 1110 |
| <a href="#">7228/7-1 A</a>   | 02.02.2001 | 334  | 1300 |
| <a href="#">7228/7-1 B</a>   | 10.02.2001 | 334  | 1300 |
| <a href="#">7228/7-1 S</a>   | 08.01.2001 | 334  | 1300 |
| <a href="#">7228/9-1 S</a>   | 07.05.1990 | 308  | 1030 |
| <a href="#">7229/11-1</a>    | 15.12.1993 | 379  | 1200 |
| <a href="#">7318/12-2</a>    | 22.03.2017 | 562  | 2155 |
| <a href="#">7319/12-1</a>    | 22.09.2014 | 1385 | 1540 |
| <a href="#">7321/4-1</a>     | 01.10.2018 | 534  | 860  |
| <a href="#">7321/7-1</a>     | 22.10.1988 | 526  | 1145 |
| <a href="#">7321/8-1</a>     | 03.09.1987 | 546  | 852  |
| <a href="#">7321/8-2 S</a>   | 01.07.2020 | 528  | 848  |
| <a href="#">7321/9-1</a>     | 28.11.1988 | 558  | 892  |



|                            |            |     |     |
|----------------------------|------------|-----|-----|
| <a href="#">7322/6-1 S</a> | 28.05.2021 | 548 | 643 |
| <a href="#">7322/7-1</a>   | 11.08.2018 | 540 | 661 |
| <a href="#">7324/2-1</a>   | 18.06.2014 | 544 | 694 |
| <a href="#">7324/3-1</a>   | 21.11.2018 | 532 | 610 |
| <a href="#">7324/6-1</a>   | 31.07.2019 | 534 | 675 |
| <a href="#">7324/7-1 S</a> | 03.11.2013 | 490 | 672 |
| <a href="#">7324/7-2</a>   | 06.07.2014 | 506 | 591 |
| <a href="#">7324/7-3 S</a> | 14.04.2016 | 510 | 590 |
| <a href="#">7324/8-1</a>   | 17.09.2013 | 500 | 563 |
| <a href="#">7324/8-2</a>   | 16.05.2015 | 489 | 583 |
| <a href="#">7324/8-3</a>   | 17.09.2017 | 501 | 567 |
| <a href="#">7324/9-1</a>   | 07.08.2014 | 512 | 545 |
| <a href="#">7324/10-1</a>  | 19.08.1989 | 480 | 553 |
| <a href="#">7325/1-1</a>   | 21.07.2014 | 529 | 674 |
| <a href="#">7325/4-1</a>   | 03.08.2017 | 523 | 650 |
| <a href="#">7335/3-1</a>   | 15.06.2019 | 275 | 491 |

### Brønnbaner med kjerner

| Brønnbane navn             | Dato for boreslutt | Kjernelengde [m] |
|----------------------------|--------------------|------------------|
| <a href="#">7117/9-2</a>   | 09.09.1983         | 35               |
| <a href="#">7120/1-2</a>   | 28.03.1989         | 10               |
| <a href="#">7120/2-2</a>   | 23.03.1991         | 28               |
| <a href="#">7120/2-3 S</a> | 09.07.2011         | 54               |
| <a href="#">7219/9-2</a>   | 02.07.2017         | 151              |
| <a href="#">7220/2-1</a>   | 10.10.2014         | 27               |
| <a href="#">7220/10-1</a>  | 16.10.2012         | 53               |
| <a href="#">7324/7-2</a>   | 06.07.2014         | 3                |