



Generell informasjon

Brønnbane navn	7128/6-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7128/6-1
Seismisk lokalisering	BPGC. 87-116 & SP. 546
Utvinningstillatelse	181
Boreoperatør	Conoco Norway Inc.
Boretillatelse	695-L
Boreinnretning	ARCADE FRONTIER
Boredager	90
Borestart	11.08.1991
Boreslutt	08.11.1991
Frigitt dato	08.11.1993
Publiseringsdato	02.12.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.5
Vanndybde ved midlere havflate [m]	336.0
Totalt målt dybde (MD) [m RKB]	2543.0
Maks inklinasjon [°]	5.8
Temperatur ved bunn av brønnbanen [°C]	77
Eldste penetrerte alder	PRE-DEVONIAN
Eldste penetrerte formasjon	BASEMENT
Geodetisk datum	ED50
NS grader	71° 31' 4.99" N
ØV grader	28° 49' 3.41" E
NS UTM [m]	7936359.06
ØV UTM [m]	564304.64
UTM sone	35
NPDID for brønnbanen	1836



Brønnhistorie

General

Well 7128/6-1 is located in the Finmark East area on the Finmark Platform approximately 226 km east north east of Hammerfest. The main objective of the well was to explore a bryozoan carbonate bioherm of the Røye Formation (Kungurian-Kazanian in age). Prognosed thickness of the carbonate was in excess of 180 m. The underlying Gzelian through Artinskian carbonate succession was seen as secondary objective. A third objective was sandstones of the Billefjorden Group (Visean), but no closure had been mapped at this horizon in the prospect area. Shallow gas warning was given for one interval at 369 m.

The well is Type Well for the Tettegras, Ørn, Isbjørn, and Røye Formations and Reference Well for the Soldogg and Falk Formations.

Operations and results

Wildcat well 7128/6-1 was spudded with the semi-submersible installation Arcade Frontier on 11 August 1991 and drilled to TD at 2543 m in pre-Carboniferous Basement rocks. No shallow gas was encountered. No significant problems occurred during the drilling operation. The well was drilled with seawater and hi-vis pills down to 833 m and with KCl polymer WBS/200 mud from 833 m to TD.

Top Røye Formation came in at 1623 m. The secondary target, the Artinskian to Gzhelian limestone succession was penetrated from 1745.4 m to 2102 m. Basement was encountered at 2533.5 m. Overlying the basement is a thick sandstone sequence of Early Carboniferous age, the Soldogg Formation. Shows were recorded in limestone in the interval from 1630 m down to 2076 and in a sandstone stringer at 2176. No shows in the Soldogg Formation. A total of 24 conventional cores were cut in the carbonate sequence yielding a total of 472.4 m core. A total of 139 sidewall cores were attempted and 137 were recovered. A total of 39 formation pressure tests were attempted and three fluid samples were collected. The fluid samples were all mud filtrate. Analysis indicated normal hydrostatic formation pressure. The well was permanently abandoned with oil shows on 8 November 1991.

Testing

One DST tests were performed in the interval 1623.5 m to 1664 m in the Røye Formation. Three attempts to make the well flow by means of lifting with N₂-cushions gave no flow to the surface. Seventeen m³ of water was produced during initial and three reverse flow periods, but no hydrocarbons were observed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
834.00	2542.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1629.0	1641.0	[m]
2	1643.0	1644.8	[m]
3	1645.0	1646.6	[m]
6	1701.3	1710.0	[m]
7	1710.3	1728.0	[m]
8	1728.0	1745.0	[m]
9	1745.0	1755.0	[m]
10	1755.0	1781.1	[m]
11	1783.2	1810.0	[m]
12	1810.1	1838.0	[m]
13	1838.1	1873.0	[m]
14	1874.8	1892.0	[m]
15	1892.5	1928.0	[m]
16	1928.6	1965.0	[m]
17	1968.0	2005.3	[m]
18	2005.3	2030.0	[m]
19	2030.9	2043.0	[m]
20	2043.3	2066.0	[m]
21	2066.9	2094.0	[m]
22	2094.6	2131.0	[m]
23	2222.0	2249.4	[m]
24	2540.0	2541.7	[m]

Total kjerneprøve lengde [m]	463.0
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



1629-1634m



1634-1639m



1639-1642m



1643-1645m



1645-1647m



1701-1706m



1706-1710m



1710-1715m



1715-1720m



1720-1725m



1725-1728m



1728-1733m



1733-1738m



1738-1743m



1743-1745m



1745-1750m



1750-1755m



1755-1760m



1760-1765m



1765-1770m



1770-1775m



1775-1780m



1780-1783m



1783-1788m



1788-1793m



1793-1798m



1798-1803m



1803-1808m



1808-1810m



1810-1815m



1815-1820m



1820-1825m



1825-1830m



1830-1835m



1835-1838m



1838-1843m



1843-1848m



1848-1853m



1853-1858m



1858-1863m



1863-1868m



1868-1873m



1873-1874m



1874-1878m



1878-1883m



1883-1888m



1888-1892m



1892-1896m



1896-1901m



1901-1906m



1906-1911m



1911-1916m



1916-1921m



1921-1926m



1926-1931m



1929-1933m



1933-1938m



1938-1943m



1943-1948m



1948-1953m



1953-1958m



1958-1963m



1963-1966m



1968-1973m



1973-1978m



1978-1983m



1983-1988m



1988-1993m



1993-1998m



1998-2003m



2003-2005m



2005-2010m



2010-2015m



2015-2020m



2020-2025m



2025-2030m



2030-2031m



2031-2035m



2035-2040m



2040-2045m



2043-2048m



2048-2053m



2053-2058m



2058-2063m



2063-2067m



2067-2071m



2071-2076m



2076-2081m



2081-2086m



2086-2091m



2091-2094m



2095-2099m



2099-2104m



2104-2109m



2109-2114m



2114-2119m



2119-2124m



2124-2129m



2129-2132m



2222-2227m



2227-2232m



2232-2237m



2237-2242m



2242-2247m



2247-2249m



2540-2542m

Palynologiske preparater i Søkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
2121.2	[m]	C	OD
2160.0	[m]	DC	UIB
2163.0	[m]	DC	UIB
2175.0	[m]	DC	UIB
2187.0	[m]	DC	UIB
2193.0	[m]	DC	UIB
2196.0	[m]	DC	UIB
2208.0	[m]	DC	UIB
2220.0	[m]	DC	UIB
2222.2	[m]	C	UIB
2222.4	[m]	C	UIB
2222.4	[m]	C	UIB
2222.6	[m]	C	UIB
2222.7	[m]	C	UIB
2222.7	[m]	C	UIB
2222.8	[m]	C	UIB



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 12.5.2024 - 01:46

2223.0	[m]	C	UIB
2223.1	[m]	C	UIB
2223.3	[m]	C	UIB
2223.5	[m]	C	UIB
2223.8	[m]	C	UIB
2224.4	[m]	C	UIB
2224.6	[m]	C	UIB
2224.8	[m]	C	UIB
2225.8	[m]	C	UIB
2225.8	[m]	C	UIB
2225.9	[m]	C	UIB
2226.4	[m]	C	UIB
2226.4	[m]	C	UIB
2227.6	[m]	C	UIB
2227.7	[m]	C	UIB
2227.8	[m]	C	UIB
2229.1	[m]	C	UIB
2232.0	[m]	C	UIB
2232.5	[m]	C	UIB
2232.7	[m]	C	UIB
2233.0	[m]	C	UIB
2233.1	[m]	C	UIB
2233.3	[m]	C	UIB
2233.4	[m]	C	UIB
2234.2	[m]	C	UIB
2234.7	[m]	C	UIB
2234.8	[m]	C	UIB
2235.1	[m]	C	UIB
2235.2	[m]	C	UIB
2235.5	[m]	C	UIB
2236.7	[m]	C	UIB
2237.1	[m]	C	UIB
2238.3	[m]	C	UIB
2238.4	[m]	C	UIB
2239.4	[m]	C	UIB
2239.6	[m]	C	UIB
2239.7	[m]	C	UIB
2240.3	[m]	C	UIB
2241.8	[m]	C	UIB
2242.0	[m]	C	UIB



2244.4 [m]	C	UIB
2244.6 [m]	C	UIB
2245.2 [m]	C	OD
2245.3 [m]	C	UIB
2245.5 [m]	C	UIB
2246.8 [m]	C	UIB
2247.0 [m]	DC	UIB
2247.3 [m]	C	UIB
2247.4 [m]	C	UIB
2268.0 [m]	DC	UIB
2277.0 [m]	DC	UIB
2286.0 [m]	DC	UIB
2289.0 [m]	DC	UIB
2307.0 [m]	DC	UIB
2316.0 [m]	DC	UIB
2322.0 [m]	DC	UIB
2331.0 [m]	DC	UIB
2340.0 [m]	DC	UIB
2349.0 [m]	DC	UIB
2358.0 [m]	DC	UIB
2421.0 [m]	DC	UIB

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
359	NORDLAND GP
488	SASSENDALEN GP
488	KOBBE FM
734	KLAPPMYSS FM
1002	HAVERT FM
1623	TEMPELFJORDEN GP
1623	RØYE FM
1745	BJARMELAND GP
1745	ISBJØRN FM
1834	GIPSDALEN GP
1834	ØRN FM
2050	FALK FM
2150	BILLEFJORDEN GP
2150	BLÆREROT FM



2202	TETTEGRAS FM
2358	SOLDOGG FM
2534	BASEMENT

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1836	pdf	0.42

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1836_1	pdf	2.30

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1836_01_WDSS_General_Information	pdf	0.68
1836_02_WDSS_completion_log	pdf	0.17

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1836_7128_6_1_COMPLETION_LOG	pdf	1.80
1836_7128_6_1_COMPLETION_REPORT	pdf	28.92

Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsven til størrelse [mm]
1.0	1623	1664	0.0





Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningsstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstemperatur [°C]
1.0			16.000	

Test nummer	Olje produksjon [Sm3/dag]	Gass produksjon [Sm3/dag]	Oljetetthet [g/cm3]	Gasstyngde rel. luft	GOR [m3/m3]
1.0					

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBIL GR	1569	2124
DAC GR	0	0
DAC GR	1569	2540
DEL2 GR	1600	2150
DIFL ACL GR	2060	2540
DIFL ACL ZDL CN GR	0	0
DIFL ACL ZDL CN GR	1525	2130
DIFL MLL ACL GR SP	747	1577
DIP GR	1569	2540
DLL MLL GR	2060	2539
DLL MLL SL	1565	2128
FMT	1630	2525
FMT	1645	0
FMT	1905	0
FMT R	1645	0
GR ACL DIFL	0	0
GR ACL DIFL	358	825
MWD - DIR GR RES	360	2540
SWC	459	816
SWC	843	1575
SWC	1585	2523
VSP	470	2541
ZDL CN SL	823	1477
ZDL CN SL	2060	2540



Foringsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm ³]	Type formasjonstest
CONDUCTOR	30	453.0	36	455.0	0.00	LOT
INTERM.	20	823.8	26	825.0	0.00	LOT
INTERM.	13 3/8	1569.4	17 1/2	1570.0	0.00	LOT
INTERM.	9 5/8	1800.0	12 1/4	1802.0	0.00	LOT
OPEN HOLE		2543.0	8 1/2	2543.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
397	1.03			WATER BASED	16.08.1991
403	1.14	57.0	8.0	WATER BASED	06.11.1991
403	1.01			WATER BASED	07.11.1991
454	1.10			WATER BASED	16.08.1991
454	1.10			WATER BASED	16.08.1991
584	1.10			WATER BASED	16.08.1991
830	1.20			WATER BASED	16.08.1991
830	1.44	14.0	27.0	WATER BASED	20.08.1991
830	1.00			WATER BASED	26.08.1991
830	1.10	46.0	14.0	WATER BASED	26.08.1991
830	1.20	44.0	13.0	WATER BASED	28.08.1991
830	1.17	41.0	12.0	WATER BASED	28.08.1991
837	1.20	42.0	18.0	WATER BASED	29.08.1991
936	1.20	40.0	14.0	WATER BASED	30.08.1991
1069	1.18	41.0	12.0	WATER BASED	02.09.1991
1069	1.19	52.0	27.0	WATER BASED	02.09.1991
1333	1.19	43.0	13.0	WATER BASED	02.09.1991
1367	1.19	42.0	11.0	WATER BASED	03.09.1991
1550	1.19	43.0	11.0	WATER BASED	04.09.1991
1552	1.14	56.0	8.0	WATER BASED	05.11.1991
1569	1.19	47.0	11.0	WATER BASED	09.09.1991
1578	1.19	43.0	13.0	WATER BASED	05.09.1991
1578	1.19	45.0	14.0	WATER BASED	09.09.1991
1578	1.19	48.0	14.0	WATER BASED	09.09.1991
1630	1.19	45.0	10.0	WATER BASED	10.09.1991
1644	1.17	46.0	10.0	WATER BASED	11.09.1991



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 12.5.2024 - 01:46

1647	1.16	46.0	10.0	WATER BASED	12.09.1991
1648	1.16	49.0	10.0	WATER BASED	16.09.1991
1656	1.16	48.0	12.0	WATER BASED	16.09.1991
1696	1.15	50.0	17.0	WATER BASED	16.09.1991
1698	1.15	54.0	16.0	WATER BASED	16.09.1991
1702	1.15	53.0	15.0	WATER BASED	17.09.1991
1709	1.16	53.0	15.0	WATER BASED	18.09.1991
1712	1.16	10.0	12.0	WATER BASED	20.09.1991
1728	1.16	10.0	14.0	WATER BASED	20.09.1991
1739	1.16	10.0	6.5	WATER BASED	24.09.1991
1747	1.17	10.0	7.5	WATER BASED	24.09.1991
1760	1.17	49.0	15.0	WATER BASED	23.10.1991
1768	1.16	10.0	7.5	WATER BASED	24.09.1991
1775	1.17	56.0	17.0	WATER BASED	25.10.1991
1775	1.16	44.0	15.0	WATER BASED	28.10.1991
1775	1.13	56.0	4.0	WATER BASED	01.11.1991
1775	1.16	42.0	13.0	WATER BASED	28.10.1991
1775	1.15	44.0	15.0	WATER BASED	29.10.1991
1775	1.13	40.0	4.0	WATER BASED	29.10.1991
1775	1.13	41.0	4.0	WATER BASED	31.10.1991
1775	1.14	56.0	6.0	WATER BASED	05.11.1991
1775	1.15	58.0	8.0	WATER BASED	05.11.1991
1775	1.14	56.0	8.0	WATER BASED	05.11.1991
1783	1.16	52.0	15.0	WATER BASED	24.09.1991
1795	1.16	52.0	13.0	WATER BASED	25.09.1991
1810	1.17	56.0	15.0	WATER BASED	24.10.1991
1816	1.16	58.0	16.0	WATER BASED	26.09.1991
1838	1.16	52.0	14.0	WATER BASED	27.09.1991
1874	1.16	49.0	13.0	WATER BASED	30.09.1991
1892	1.16	43.0	14.0	WATER BASED	30.09.1991
1933	1.17	49.0	10.0	WATER BASED	30.09.1991
1968	1.16	49.0	13.0	WATER BASED	02.10.1991
2005	1.16	48.0	16.0	WATER BASED	02.10.1991
2030	1.16	52.0	14.0	WATER BASED	03.10.1991
2043	1.17	55.0	16.0	WATER BASED	04.10.1991
2063	1.17	54.0	18.0	WATER BASED	07.10.1991
2066	1.17	51.0	15.0	WATER BASED	08.10.1991
2094	1.17	48.0	14.0	WATER BASED	08.10.1991
2120	1.17	47.0	14.0	WATER BASED	08.10.1991
2131	1.17	44.0	14.0	WATER BASED	09.10.1991



2132	1.16	44.0	13.0	WATER BASED	10.10.1991
2162	1.16	47.0	15.0	WATER BASED	11.10.1991
2183	1.16	47.0	15.0	WATER BASED	14.10.1991
2222	1.16	45.0	15.0	WATER BASED	14.10.1991
2250	1.17	47.0	14.0	WATER BASED	14.10.1991
2326	1.16	47.0	15.0	WATER BASED	15.10.1991
2472	1.16	45.0	14.0	WATER BASED	16.10.1991
2540	1.17	43.0	14.0	WATER BASED	17.10.1991
2540	1.17	47.0	15.0	WATER BASED	22.10.1991
2540	1.17	47.0	15.0	WATER BASED	22.10.1991
2540	1.17	47.0	15.0	WATER BASED	18.10.1991
2543	1.17	45.0	14.0	WATER BASED	22.10.1991
2543	1.17	45.0	15.0	WATER BASED	22.10.1991

Tynnslip i Sökkeldirektoratet

Dybde	Enhet
1630.10	[m]
1637.81	[m]
1643.88	[m]
1744.58	[m]
1751.69	[m]
1757.53	[m]
1812.74	[m]
1812.86	[m]
1836.03	[m]
1845.75	[m]
1866.52	[m]
1868.51	[m]
1877.48	[m]
1891.90	[m]
1896.70	[m]
1902.72	[m]
1904.75	[m]
1883.41	[m]
1913.49	[m]
1916.15	[m]
1930.44	[m]
1945.28	[m]
1947.94	[m]



1952.04	[m]
1957.66	[m]
1975.63	[m]
1964.40	[m]
1973.66	[m]
1971.63	[m]
1985.63	[m]
1993.63	[m]
1997.43	[m]
2000.70	[m]
2006.47	[m]
2015.03	[m]
2025.12	[m]
2044.52	[m]
2046.03	[m]
2049.78	[m]
2073.92	[m]

Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
1836 Formation pressure (Formasjonstrykk)	pdf	0.28

