Generell informasjon

Brønnbane navn	7128/6-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke
Hovedområde	BARENTS SEA
Brønn navn	7128/6-1
Seismisk lokalisering	BPGC. 87-116 & SP. 546
Boret i utvinningstillatelse	181
Boreoperatør	Conoco Norway Inc.
Boretillatelse	695-L
Boreinnretning	ARCADE FRONTIER
Bore dager	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 OD

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

Borekaks tilgjengelig for prøvetaking?	YES

Borekjerner i OD

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]	443.7
Kjerner tilgjengelig for prøvetaking?	YES

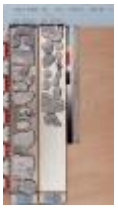
Kjernebilder


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

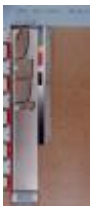

1848-1853m


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

Palynolgiske preparater i OD

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
2121.2	[m]	C	OD
2245.2	[m]	C	OD

Litostratigrafi

Top depth [m]	Lithostrat. unit
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 OD 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
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 strømningstrykk [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

Foringinsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	Slam egenvekt ekvivalent [g/cm3]	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/cm3]	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
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